

Perfect sealing and bonding



OTTO SEAL® S100

Exzellente Verarbeitbarkeit



★★★★ PREMIUM

Sanitär-Silikon
Bathroom silicone
Silicone sanitaire
Sanitairesilicone

- ✓ Langlebige Fuge
- ✓ Sicher gegen Schimmel und Bakterien



DICHTEN & KLEBEN

OTTO SEAL® S70

Exzellente Verarbeitbarkeit



★★★★ PREMIUM

Naturstein-Silikon
Natural stone silicone
Cone pierre naturelle
atuursteen silicone

- ✓ Keine Randzonenverschmutzung
- ✓ Sehr langlebige Fuge
- ✓ Sicher gegen Schimmel



DICHTEN & KLEBEN

OTTO COLLI® M500

Extrem wasserbeständig



★★★★ PREMIUM

Hybrid-Klebstoff
Hybrid adhesive
Colle hybride
Hybride lijn

- ✓ Natursteinverträglich
- ✓ Elastische Mischungen
- ✓ Haftet auf feuchten Untergründen



DICHTEN & KLEBEN

OTTO SEAL® A205

Überstrichbar



★★★★ PREMIUM

Malacourt
Paintable acrylic
Mastic acrylique pour peinture
Schleiersilikon

- ✓ Keine Vergröberung/Vergröberung
- ✓ Elastisch



DICHTEN & KLEBEN

OTTO SEAL® S105

Optimale Verarbeitbarkeit



★★★★ PREMIUM

Bau-Silikon
Construction silicone
Silicone de construction
Bauwäskone

- ✓ Sehr gute Haftung auf vielen Untergründen
- ✓ Exzellente Fuß-Verformbarkeit
- ✓ Nicht korrosiv



DICHTEN & KLEBEN

OTTO SEAL® S110

Hoch abriebfest



★★★★ PREMIUM

Bau-Silikon
Construction silicone
Silicone de construction
Bauwäskone

- ✓ Sehr gute Haftung auf vielen Untergründen
- ✓ Exzellente Fuß-Verformbarkeit
- ✓ Nicht korrosiv



DICHTEN & KLEBEN

OTTO SEAL® S67

Ökologisch unbedenklicher Silikonleim



SPEZIAL

Sanitär-Silikon
Sanitairesilicone
Silicone sanitaire
Sanitairesilicone

- ✓ Geruchslos
- ✓ Natursteinverträglich



DICHTEN & KLEBEN

OTTO SEAL® S17

Überstrichbar



SPEZIAL

Malacourt
Paintable acrylic
Mastic acrylique pour peinture
Schleiersilikon

- ✓ Keine Vergröberung/Vergröberung
- ✓ Elastisch



DICHTEN & KLEBEN

OTTO COLLI® A265

Hoch beanspruchbar



SPEZIAL

Hybrid-Klebstoff
Hybrid adhesive
Colle hybride
Hybride lijn

- ✓ Extrem elastisch
- ✓ Gute Charakteristika
- ✓ Hoher mechanischer Schwundtoleranz



DICHTEN & KLEBEN

OTTO SEAL® S80

Geruchslos



SPEZIAL

Naturstein-Silikon
Natural stone silicone
Silicone pierre naturelle
atuursteen silicone

- ✓ Keine Randzonenverschmutzung
- ✓ Sehr langlebige Fuge
- ✓ Sicher gegen Schimmel



DICHTEN & KLEBEN

OTTO SEAL® S85

Überstrichbar



SPEZIAL

Malacourt
Paintable acrylic
Mastic acrylique pour peinture
Schleiersilikon

- ✓ Keine Vergröberung/Vergröberung
- ✓ Elastisch



DICHTEN & KLEBEN

OTTO SEAL® S51

BI-schwer entflammbar



★★★★ PREMIUM

Kanalarbeits-Silikon
Plastic floor silicone
Silicone de sol ignifugé
Kanalwäskone

- ✓ Besondere Brand- und Hitzebeständigkeit
- ✓ PVC, Gummi, Metall und Lötblei
- ✓ Langlebige und robuste Fuge



DICHTEN & KLEBEN

Contacting OTTO-CHEMIE

Do you have any questions? ... how to find us

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Please send your orders using the online order form or by e-mail in order to ensure rapid and correct processing. Many thanks!

Sales (Quotes, enquiries etc.)

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☎ +49 8684 908-1885 and Friday from 7:30 am – 1:30 pm
✉ international@otto-chemie.com



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Use our OTTO order form to be flexible with your time and easily put together the products you want.



[www.otto-chemie.com/en/
customer-order-form](http://www.otto-chemie.com/en/customer-order-form)

Notes

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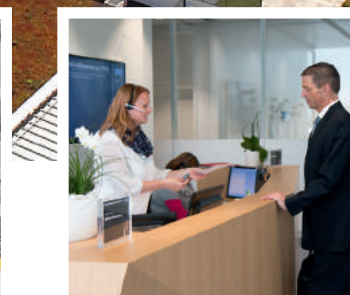
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Quality creates cohesion ... for over 140 years

Founded in Berlin in 1881 by Hermann Otto as a window putty manufacturer, the company has been producing silicone sealants since the early 1960s. Adhesives based on polyurethanes, silane-terminated polymers (hybrid) and acrylates round off the product range. The sealants and adhesives are developed in OTTO's own laboratories and marketed under the brand names of OTTOCOLL® (sealants), OTTOCOLL® (adhesives) and Novasil® (industrial applications). A broad range of special products facilitates solutions to complex problems.

As a manufacturer, OTTO is synonymous with top expertise in sealing and adhesive technology in industry and trade across all sectors. With its products, most of which are premium, OTTO has done more than just secure market leadership in its sector; it is also considered a driver of innovation in many fields due to its quality and performance.

A close partnership with its customers provides the precondition for OTTO satisfying the needs of discerning customers. Sales currently occur through more than 40 field staff employees. OTTO is appreciated as a socially committed, reliable employer by its around 490 employees. Modern production plants and an attractive administration building provide the perfect working atmosphere from both a profession and social point of view, and create the best conditions for employees who are both satisfied and motivated.

With the large training rooms, the OTTO training centre offers plenty of room to hold theoretical as well as practical seminars and training sessions on all topics relating to sealants and adhesives.

OTTO is expanding its production capacities by building a new production plant. Following a construction period lasting just 18 months, the first stage of construction's fully automatic production line was commissioned on schedule in late summer 2020.

OTTO – quality creates cohesion

Product overview



OTTOSEAL® sealants

Acrylic

A205 OTTOSEAL® A205	25
The premium acrylic sealant	
A207 OTTOSEAL® A207	26
The acrylic sealant	
A210 OTTOSEAL® A210	27
The painters' acrylic	
A215 OTTOSEAL® A215	28
The grainy crack and repair filler	
A221 OTTOSEAL® A221 Parkett	39
The parquet joint sealant	
A225 OTTOSEAL® A225	57
The acrylate-based sealant for mitres	
A250 OTTOSEAL® A250	29
The roofers' and tinsmiths' acrylic	
A710 OTTOSEAL® A710	30
The acrylic sealant for RAL assembly inside	

Hybrid

M350 OTTOSEAL® M350	58
The hybrid sealant for glazing	
M360 OTTOSEAL® M360	31
The hybrid sealant for building joints	
M361 OTTOSEAL® M361	32
The structure-hybrid sealant for building joints	
M380 OTTOSEAL® M380	52
The hybrid for clean rooms and ventilation systems	
M390 OTTOSEAL® M390	40
The floor sealant	

Polyurethane

P300 OTTOSEAL® P300	33
The PU sealant for connection joints	
P305 OTTOSEAL® P305	34
The premium PU sealant for connection joints	
P720 OTTOSEAL® P720	35
The PU sealant for RAL assembly outside	

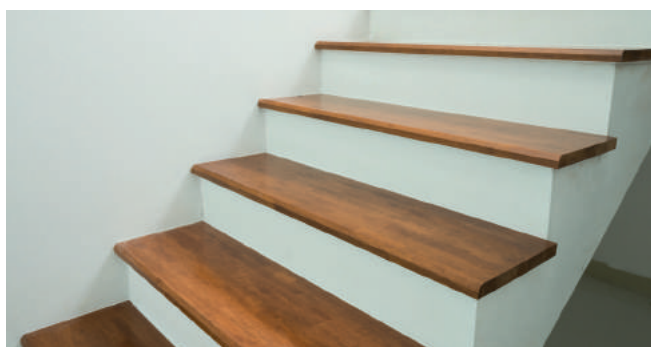
Silicone

S7 OTTOSEAL® S7	59
The weather sealing silicone	
S9 OTTOSEAL® S9	60
The 1-component silicone sealant for insulating glass edges	
S10 OTTOSEAL® S10	61
The silicone sealant for glass constructions	
S17 OTTOSEAL® S17	47
The neutral high temperature silicone	
S18 OTTOSEAL® S18	11
The swimming pool silicone	
S25 OTTOSEAL® S25	48
The high temperature silicone	
S27 OTTOSEAL® S27	53
The silicone for food and drinking water	
S28 OTTOSEAL® S28	62
The aquarium and glass block silicone	
S34 OTTOSEAL® S34	41
The floor silicone	
S50 OTTOSEAL® S50	64
The crystal-clear silicone	
S51 OTTOSEAL® S51	42
The premium plastic floor silicone	
S54 OTTOSEAL® S54	49
The fire protection silicone B1	
S67 OTTOSEAL® S67	54
The low-odour silicone for clean rooms and ventilation systems	
S69 OTTOSEAL® S69	55
The silicone for clean rooms and ventilation systems	
S70 OTTOSEAL® S70	20
The premium natural stone silicone	
S72 OTTOSEAL® S72	65
The plastic silicone	
S80 OTTOSEAL® S80	22
The low odour natural stone silicone	
S94 OTTOSEAL® S94	50
The neutral fire protection silicone B1	

OTTOSEAL® sealants – Product groups

Bathroom and swimming pool sealants	10	Floor sealants	38
S18 S100 S105 S121 S130 S140		A221 M390 S34 S51 S125	
Natural stone sealants	19	Fire protection and high temperature sealants	46
S70 S80 S117		S17 S25 S54 S94	
Expansion and connection joint sealants	24	Special sealants	51
A205 A207 A210 A215 A250 A710 M360 M361 P300 P305		M380 S27 S69	
P720 S115 S730		Glass, window and façade sealants	56
		A225 M350 S7 S9 S10 S28 S50 S72 S110 S112 S113 S120	

S100 OTTOSEAL® S100	12
The premium bathroom silicone	
S105 OTTOSEAL® S105	15
The bathroom silicone	
S110 OTTOSEAL® S110	66
The premium construction silicone	
S112 OTTOSEAL® S112	68
The silicone sealant for window bars	
S113 OTTOSEAL® S113	69
The paintable silicone sealant for glazing	
S115 OTTOSEAL® S115	36
The construction silicone	
S117 OTTOSEAL® S117	23
The natural stone silicone	
S120 OTTOSEAL® S120	70
The premium glazing silicone	
S121 OTTOSEAL® S121	16
The low odour bathroom silicone	
S125 OTTOSEAL® S125	44
The low-odour floor and sanitary silicone	
S130 OTTOSEAL® S130	17
The environmentally friendly bathroom silicone	
S140 OTTOSEAL® S140	18
The hotel and spa silicone	
S730 OTTOSEAL® S730	37
The building joint silicone for exterior RAL assembly	



OTTOCOLL® adhesives

Acrylic

A265 OTTOCOLL® A265 TopFix	88
The fixing adhesive	
A270 OTTOCOLL® A270	89
The film adhesive	

Hybrid

M500 OTTOCOLL® M500	73
The extremely water-resistant premium hybrid adhesive	
M501 OTTOCOLL® M501	74
The crystal-clear hybrid adhesive	
M530 OTTOCOLL® M530 HiSpeed	75
The hybrid adhesive with very fast bonding	
M550 OTTOCOLL® M550 HiTack	76
The hybrid adhesive with extremely high initial adhesion	
M560 OTTOCOLL® M560	78
The universal premium hybrid adhesive with very high initial adhesion	
M580 OTTOCOLL® M580	79
The extremely fast 2-component hybrid adhesive	
M595 OTTOCOLL® M595	80
The hybrid-adhesive for full-surface bonding	

Polyurethane

P83 OTTOCOLL® P83	82
The highly elastic PU adhesive	
P84 OTTOCOLL® P84	83
The PU glue	
P85 OTTOCOLL® P85	84
The high-strength premium PU adhesive	
P86 OTTOCOLL® P86	95
The corner connection adhesive	
P340 OTTOCOLL® P340 Rapid	85
The very fast PU adhesive	
P410 OTTOCOLL® P410	86
The flowable PU adhesive	
P520 OTTOCOLL® P520	96
The premium corner connection adhesive	
P520 SP 4897 OTTOCOLL® P520 SP 4897	97
The 2-component PU adhesive for bonding corners	
P520 SP 5276 OTTOCOLL® P520 SP 5276	98
Semirigid 2-component PU adhesive	
P520 SP 5477 OTTOCOLL® P520 SP 5477	98
Viscoplastic 2-component PU adhesive	
P520 SP 5747 OTTOCOLL® P520 SP 5747	99
The 2-component PU adhesive for bonding corners	
P520 SP 6319 OTTOCOLL® P520 SP 6319	99
The 2-component PU adhesive for bonding corners	

OTTOCOLL® adhesives – Product groups

Hybrid adhesives	72	Glass, window and façade adhesives	94
M500 M501 M530 M550 M560 M580 M595		P86 P520	
PU adhesives	81		
P83 P84 P85 P340 P410			
Acrylate adhesives	87		
A265 A270			
Silicone adhesives	90		
S16 S495 S610			

Product overview

Silicone

S16 OTTOCOLL® S16	91
The mirror adhesive	
S495 OTTOCOLL® S495	92
The panel adhesive	
S610 OTTOCOLL® S610	93
The 2-component silicone adhesive	



OTTOFLEX® system compound sealing

OFHG OTTOFLEX® Adhesive primer	101
OFTG OTTOFLEX® Deep primer	102
OFVA OTTOFLEX® Primer	103
OFFF OTTOFLEX® Protective coating	104
Compound sealing	
OFDS OTTOFLEX® Slurry seal coating	106
Compound sealing	
OFAB OTTOFLEX® Sealing strip	107
Compound sealing	
OFDB OTTOFLEX® Sealing tape	108
OFOD OTTOFLEX® Project sealing tape	109
OFAE OTTOFLEX® Exterior corner tapes	110
OFIE OTTOFLEX® Interior corner tapes	110
OFBM OTTOFLEX® Floor sealing sleeve	111
OFWM OTTOFLEX® Wall sealing sleeve	111
OFDM OTTOFLEX® Flexible sealing sleeve	112
OFWRD OTTOFLEX® Bath edge sealing tape	112
OFSCHALL OTTOFLEX® Sound insulation tape	113
OFSCHUTZ OTTOFLEX® Protective tape	113



OTTOPUR PU foams

OP910 OTTOPUR OP910	115
The dosing foam with very good sound and heat insulation	
OP915 OTTOPUR OP915	116
The dosing foam with very good sound and heat insulation	
OP920 OTTOPUR OP920	117
The 2-component foam with very fast curing	
OP930 OTTOPUR OP930	118
The adapter foam with very good sound and heat insulation	
OP950 OTTOPUR OP950	120
The flexible foam	
OP960 OTTOPUR OP960	121
The B1 dosing foam	



Smoothing agents

GL OTTO Smoothing Agent	123
GLK OTTO Concentrated smoothing agent	124
GLM OTTO Marble Silicone Smoothing Agent	125
GLS OTTO Smoothing agent spray	126

OTTOSEAL® sealants – Product systems

Acrylic

A205 A207 A210 A215 A221 A225 A250 A710

Hybrid

M350 M360 M361 M380 M390

Polyurethane

P300 P305 P720

Silicone – Acetate

S25 S27 S28 S50 S69 S100 S105

Silicone – Alkoxy

S67 S72 S80 S112 S120 S121 S125 S130

Silicone – Amine-oxime

S51 S54

Silicone – Oxime

S7 S9 S10 S17 S18 S34 S70 S94 S110 S113 S115 S117

S140 S730



Accessory products

SIEN OTTO SilOut	128
The silicone remover	
STEX OTTO StainEx	130
The natural stone degreasing paste	
SXN OTTO Siloxan 290L	131
The silicone for surface impregnation	



Primers/Cleaners

PR1101 OTTO Cleanprimer 1101	133
The adhesion improver	
PR1102 OTTO Primer 1102	133
The sandstone primer	
PR1105 OTTO Primer 1105	134
The universal primer for absorbent substrates	
PR1215 OTTO Primer 1215	134
The silicone primer for absorbent substrates	
PR1216 OTTO Primer 1216	135
The primer for natural stone and metal	

PR1217 OTTO Primer 1217	135
The silicone plastic primer	
PR1218 OTTO Primer 1218	136
The silicone primer for continuously wet conditions	
PR1225 OTTO Primer 1225	136
The universal primer	
PR1226 OTTO Cleanprimer 1226	137
The universal cleanprimer	
PR1227 OTTO Primer 1227	137
The plastic primer	
PR1230 OTTO Primer 1230	138
The primer for improving of the paintability of silicone sealants with paints and varnishes	
REC OTTO Cleaner C	139
The profile-cleaner	
REF OTTO Cleaner F	139
The metal cleaner	
REMP OTTO Cleaner MP	140
The equipment cleaner	
RET OTTO Cleaner T	140
The standard cleaner	
SPRÜHPR OTTO Spray primer	141
The contact adhesive for installing the window tape	
OPCLEAN OTTOPUR Cleaner	142
The gun cleaner	



Guns

Accumulator Guns

HPS-4T OTTO Accumulator Gun Type HPS-4T	144
HPS-6T OTTO Accumulator Gun Type HPS-6T	144
AKKU-HPS Accessories for OTTO Accumulator Gun type HPS-4T/-6T OTTO Li-Ion battery 10,8 volt/1,5Ah	145

OTTOCOLL® adhesives – Product systems

Acrylic

A265 A270

Hybrid

M500 M501 M530 M550 M560 M580 M595

Polyurethane

P83 P84 P85 P86 P340 P410 P520

Silicone – Alkoxy

S16 S495 S610

Product overview

LADE-12VOLT Accessories for OTTO Accumulator Gun type HPS-4T/6T OTTO Car charger Li-Ion 12 volt	145
LADE-HPS Accessories for OTTO Accumulator Gun type HPS-4T/6T OTTO Quick charger with charge indicator	146
2KAP400 OTTO Accumulator Gun 2K AP400	146

Dosing Guns

X7 OTTO Dosing Gun X7	147
ULTRA OTTO Dosing Gun ULTRA	147
IPF OTTO Dosing Gun IPF with reducing set	148
NADELN OTTO Reducing set for dosing gun IPF	148

Compressed Air Guns

P310SR OTTO Compressed Air Gun P310 SR	149
P400KB-2 OTTO Compressed Air Gun P400 KB-2	149
P600B-2 OTTO Compressed Air Gun P600 B-2	150
P2x310 OTTO Compressed Air Gun P2x310	150
P490DP2X OTTO Compressed Air Gun P490 DP2X	151
VENTIL OTTO Pressure regulating valve	151

Hand-operated Guns

SKELETT OTTO Skeleton Gun	152
H17 OTTO Hand-operated Gun H17	152
H27 OTTO Hand-operated Gun H27	153
H37 OTTO Hand-operated Gun H37	153
H40 OTTO Hand-operated Gun H40	154
H245 OTTO Hand-operated Gun H245	154
H400 OTTO Hand-operated Gun H400	155
H400H3P OTTO Hand-operated Gun H400 H3P	155
H600 OTTO Hand-operated Gun H600	156
H600H2P OTTO Hand-operated Gun H600 H2P	156
H248 OTTO Hand-operated Gun 2K H248	157
GIGA490 OTTO Hand-operated Gun Gigapress Duo 490	157
H293 OTTO Hand-operated Gun 2K H293	158



Processing tools/Accessories

Smoothing tools

BOYGGROSS OTTO Fugenboy large	160
BOYKLEIN OTTO Fugenboy small	160
FIX OTTO Glättfix	161
SPACHT OTTO Smoothing tool	161
FUXSANI OTTO Fugenfux®, set of 4 for sanitary and floor joints	162
FUXANSCHLUSS OTTO Fugenfux®, set of 4 for connection joints	162
FUXMULTI OTTO Fugenfux® Multitool	163
TEIGGROSS OTTO Scraper large	164
TEIGKLEIN OTTO Scraper small	164

Nozzles

V-KAPPE OTTO Screw cap for cartridge	165
W-STÜCK OTTO Corner piece	165
DÜSE-STA107 OTTO Standard nozzle for cartridges 107 mm	166
DÜSE-STR105 OTTO Nozzle with supporting rim 105 mm	166
DÜSE-STR175 OTTO Nozzle with supporting rim 175 mm	167
DÜSE-DREH OTTO cartridge nozzle, rotatable	167
CLIP OTTO Clip nozzle transparent without cap	168
CLIPKAPPE OTTO Clip nozzle transparent with cap	168
DÜSE-V-NAHT OTTO V-joint nozzle	169
DÜSE-FLACH OTTO Flat fishtail nozzle	169
DÜSE-163 OTTO Nozzle no. 163	170
DÜSE-KURZALU OTTO nozzle short for 1,000ml aluminium cartridge	170
DÜSE-FB120 OTTO Nozzle for foil bags standard 120 mm	171
DÜSE-FB150 OTTO Nozzle for foil bags long 150 mm	171
D-HALTER-MK1 OTTO Nozzle holder MK1	172

Contents

Application list with product recommendation	216
The OTTO360° service package	8
Fields of application	194
Product overview	2
Quantity charts	222

MK1-ADAPTER	OTTO MK 1-adapter for cartridge nozzles	172	E-40-I	OTTOTAPE E-40-I Overlapping The adhesive tape for foil overlaps	186
DÜSE-MK5-C01	OTTO Nozzle MK5 white	173	FIXBA	OTTOTAPE Fixing tape The double-sided adhesive fixing tape	187
DÜSE-MK5-C02	OTTO Nozzle MK5 grey	173	OFB	OTTO Jointing tape BG1 The precompressed jointing tape BG1	188
Static mixing nozzles					
MFHX13-18T	OTTO Static mixing nozzle MFHX13-18T for side-by-side cartridges	174	ODB	OTTO Insulating tape BG2 The precompressed insulating tape BG2	189
MFQX5-24L	OTTO Static mixing nozzle MFQX5-24L for side-by-side cartridges	174	FLB	OTTO Flexi tape The glazing tape for insulating glass	190
MFQX10-24T	OTTO Static mixing nozzle MFQX10-24T for side-by-side cartridges	175	Back-up foam rods		
KWM10	OTTO Static mixing nozzle KWM10 for twin cartridges	175	PE	OTTOCORD PE-B2 The closed-cell PE back-up foam rod	192
KWM18K	OTTO Static mixing nozzle KWM18K for twin cartridges	176	PUR-H	OTTOCORD PUR-H-B3 The open-cell PUR back-up foam rod soft	193
MGQ10-19D	OTTO Static mixing nozzle MGQ10-19D for twin cartridges	176	PUR-HS	OTTOCORD PUR-HS-B3 The open-cell PUR back-up foam rod firm	193
RWM14G	OTTO Static mixing nozzle RWM14G for twin cartridges	177			
MISCHER-TURBO	OTTO Static mixing nozzles 2-component PU for twin cartridges	177			
GEWINDE	OTTO Screw-on adapter for static mixing nozzle MFQX10-24T + MGQ10-16D + MGQ10-19D	178			

Accessories

HAHN	OTTO Drain cock 2" with venting (AERO-FLOW)	178
SCHNEIDER	OTTO Cartridge cutter	179
KLINGE	OTTO Spare blade for cartridge cutter	179
TUCH	OTTO Cleaning wipes	180
STÄNDER	OTTO Cartridge stand	180



Tapes/Back-up foam rods

Tapes

BAB-V	OTTO Window tape Vario The window tape for RAL assembly	182
BAB-VD	OTTO Window tape Vario Duo The full-surface, self-adhesive window tape for RAL assembly	183
BKAMF1	OTTOTAPE Trio-BKA MF1 The multifunctional sealing tape for RAL assembly	184
FBA	OTTOTAPE Trio-FBA The multifunctional sealing tape for RAL assembly	185
D-25-I	OTTOTAPE D-25-I Duct The adhesive foil tape for connecting at breakthroughs	186

The OTTO360° service package

The OTTO360° service package **More than sealants and adhesives**

As an OTTO customer, you get more than premium quality sealants and adhesives. You also benefit from a comprehensive service package that supports you in your daily work and makes it noticeably easier. Whether it's advice, ordering and delivery or equipping our retailers on site, with our OTTO360° service package we always try to offer our customers the best possible support in all areas – from professionals for professionals.



The perfect advice

Do you have any questions about choosing the right OTTO sealant and adhesive for your application or about professional processing? The experts from our application consulting service will be happy to help you:

☎ +49 8684 908-5300
@ international@otto-chemie.com

Monday to Thursday: from 7:30am – 4:30pm
Friday: from 7:30am – 1:30pm



The OTTO Colour Tables

For a visually flawless end result of your work, the selection of the appropriate colour shade is crucial. For this purpose, we offer colour tables with original dabs of our sealants. This way you are sure to choose the right colour. For easy use directly on site, we offer our special fabricator colour tables, which can be bent and thus held directly against the hard joint for colour matching.



The OTTO app

Whether iOS or Android: With the OTTO app for smart-phones and tablet PCs you always have the solution to all application issues at your side. Product search, consumption calculator, colour recommendation, order, contact – and if you wish to be informed in good time about the latest news, simply activate push notifications.

[Download now via the App Store or Google Play.](#)





The Adhesive Compass

Want to find the right adhesive for your application quickly and easily? No problem! Simply select the substrates to be bonded as well as the type of bonding and you will be recommended the right adhesives for your application.

www.otto-chemie.com/en/adhesive-compass



Colour recommendations for hard grout

Do you want to make sure that the hard grout harmonises perfectly with the sealant colour? We regularly test the most common hard grouts available on the market and compare them with the colours of our OTTO sealants. The recommendations on which sealant colour goes with which hard grout are available at any time on our website and in the app.

This saves you a long search and comparison and guarantees a visually perfect end result.

www.otto-chemie.com/en/colour-recommendations



The online order form

Order online around the clock with the OTTO order form. Use our OTTO order form to be flexible with your time and easily put together the products you want.

www.otto-chemie.com/en/customer-order-form



The OTTO360° service package

In addition to the services presented here, OTTO offers a wide range of other additional services and combines them in a diverse service package. You can find more information about this and how you can benefit from it on our website.

Bathroom and swimming pool sealants



OTTOSEAL® S 18 SPECIAL

The swimming pool silicone



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

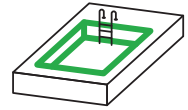
- ▶ **Contains extra fungicide**
Very high resistance to mould infestation
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Very good adhesion on many substrates even without primer**
Often primerless processing possible, see primer table in technical data sheet
- ▶ **Resistant to salt water and chlorine in the concentration required for swimming pool disinfection**
Longer renovation cycles
- ▶ **Extremely resistant to continuously wet conditions**
Special product for swimming pool applications
- ▶ **High resistance to notches, tension and tearing**
Resistant to high mechanical stresses
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications




Fields of application

- ▶ Sealing of swimming pools and -baths as well as elastic jointing on the pool edges

Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 14+17+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet



Packaging	310 ml cartridge
 grey	S18-04-C02
 silk grey	S18-04-C77
 transparent	S18-04-C00
 white	S18-04-C01
Packaging unit	20
Pieces per pallet	1200



Additional useful information

For underwater joints certain prerequisites must be met to ensure optimum adhesion: The joint width should preferably be 10 – 15 mm and joint depth should be limited to approximately 8 – 10 mm by backfilling material.

Prior to sealing, the sides of the joints must be thoroughly cleaned of loose and dusty particles, residual mortar and contamination from oily or greasy substances. The sides of the joints must also be dry because a film of moisture on the surface will act like a release agent. The joint edges should be masked. Mineral, absorbent joint sides should be treated with OTTO Primer 1218, applied undiluted to the sides, using a paintbrush. After airing the primer and injecting OTTOSEAL® S 18, the sealant must be smoothed within approx. 6 minutes before a skin starts to form, using a tool moistened with OTTO smoothing agent.

Ideally, the pool should not be (re)filled until two weeks after the joints have been sealed with OTTOSEAL® S 18.

After the sealant has cured completely and the pool is filled with water for the first time it should be chlorinated immediately with a 2 mg/l intermittent chlorination during the first 2 days. During this time the pH value should be adjusted to between 7.0 and 7.2 to achieve the highest possible effect of the disinfectant. For operation thereafter the concentration of free chlorine should be 0.3 – 0.6 mg/litre (warm water whirlpool 0.7 – 1.0 mg/litre) and the pH value between 6.5 and 7.6 (ideally 7.0 – 7.2). The water circulation should be adjusted so that the water constantly runs over the overflow edge of the pool. Alternative methods, such as UV radiation or ozonisation do not have sufficient sustained-release-effect to prevent a fungus attack.

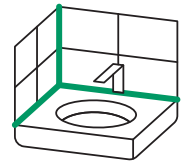
- The colour **adria blue** is on stock in OTTOSEAL® S 70/S 140. A wide OTTOSEAL® S 70/S 140 colour range is available for natural stone applications in permanently wet areas.

S 100

OTTOSEAL® S 100

★★★★★
PREMIUM

The premium bathroom silicone



1-component silicone sealant based on acetate
For indoor and outdoor application

Characteristics

- ▶ **Excellent workability properties**
Excellent smoothing and modelling capabilities
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications
- ▶ **Contains fungicide and bacteriostatic**
Resistance to mould infestation and bacteria
- ▶ **Also available in matt-finished colours**
Harmonises with matte surfaces

Fields of application

- ▶ Expansion joints in connection joints in the floor and wall area
- ▶ Expansion joints in bathroom areas
- ▶ Sealing of glass modules
- ▶ Sealing double-glazings (e.g. "Profilit")


Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 2: G CC 25 LM
- ▶ Tested according to EN 15651 – Part 3: XS 1
- ▶ Tested according to EN 15651 – Part 4: PW INT 12.5 E
- ▶ Suitable for applications according to IVD instruction sheet no. 3-1+3-2+14+31+35 (IVD = German industry association sealants)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Tested fire behaviour in accordance with EN 13501: class E













Paints unfilled (gloss)

Packaging	300ml cartridge	400ml aluminium foil bag	580ml aluminium foil bag
agate grey	S100-03-C62	on request	on request
almond-brown	S100-03-C1104	on request	on request
alu	S100-03-C14	on request	on request
anemone	S100-03-C22	on request	on request
anthracite	S100-03-C67	on request	on request
asphalt grey	S100-03-C808	on request	on request
bahamabeige	S100-03-C10	on request	on request
bali	S100-03-C21	on request	on request
basalt	S100-03-C1105	on request	on request
beach-beige	S100-03-C1106	on request	on request
bermuda	S100-03-C25	on request	on request
black	S100-03-C04	on request	on request
bowe	S100-03-C6777	on request	on request
brown	S100-03-C05	on request	on request
caramel	S100-03-C09	on request	on request
cement-grey 31	S100-03-C706	on request	on request
chestnut	S100-03-C1082	on request	on request
chinchilla	S100-03-C45	on request	on request
concrete grey	S100-03-C56	S100-07-C56	on request
cottojoint	S100-03-C75	on request	on request
crocus-blue	S100-03-C753	on request	on request
curry	S100-03-C19	on request	on request
deer-brown	S100-03-C07	on request	on request
fair grey no. 21	S100-03-C501	on request	on request
fair-graphite	S100-03-C1168	on request	on request
fiery red	S100-03-C35	on request	on request
flannel grey	S100-03-C72	S100-07-C72	on request
flash grey	S100-03-C787	S100-07-C787	on request
fog	S100-03-C230	S100-07-C230	on request
grey	S100-03-C02	S100-07-C02	on request
grey 15	S100-03-C776	on request	on request
grey-red	S100-03-C1010	on request	on request
grey-white	S100-03-C70	on request	on request
intense brown	S100-03-C7117	on request	on request
jasmin	S100-03-C08	on request	on request
joint white	S100-03-C69	on request	on request
joint-grey	S100-03-C71	S100-07-C71	on request
light-grey	S100-03-C38	on request	on request
manhattan	S100-03-C43	S100-07-C43	on request
Packaging unit	20	20	20
Pieces per pallet	1200	900	600

Packaging	300 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag
 melba	S100-03-C1169	on request	on request
 middle-brown	S100-03-C15	on request	on request
 mint	S100-03-C40	on request	on request
 moosgreen	S100-03-C11	on request	on request
 morning-grey	S100-03-C961	on request	on request
 natural	S100-03-C55	on request	on request
 old grey	S100-03-C1170	on request	on request
 old white	S100-03-C51	on request	on request
 pale grey	S100-03-C86	on request	on request
 pergamon	S100-03-C84	on request	on request
 platinum grey	S100-03-C52	on request	on request
 red-beige	S100-03-C82	on request	on request
 red-brown	S100-03-C7116	on request	on request
 ruby	S100-03-C59	on request	on request
 sahara	S100-03-C103	on request	on request
 sand grey 18	S100-03-C2044	on request	on request
 sandbeige	S100-03-C6672	on request	on request
 sanitary grey	S100-03-C18	S100-07-C18	S100-08-C18
 silk	S100-03-C6778	on request	on request
 silk grey	S100-03-C77	S100-07-C77	on request
 silver effect	S100-03-C510	on request	on request
 silver-grey	S100-03-C94	S100-07-C94	S100-08-C94
 silver-grey no. 17	S100-03-C910	on request	on request
 snow-white	S100-03-C116	on request	on request
 sorrentoblue	S100-03-C42	on request	on request
 stone grey	S100-03-C79	on request	on request
 thistle-grey	S100-03-C81	on request	on request
 titan grey	S100-03-C1172	on request	on request
 tobacco brown	S100-03-C1167	on request	on request
 transparent	S100-03-C00	on request	on request
 umbra	S100-03-C60	on request	on request
 vanilla-beige	S100-03-C1107	on request	on request
 velvet black	S100-03-C5176	on request	on request
 volcano sand	S100-03-C6776	on request	on request
 white	S100-03-C01	S100-07-C01	on request
Packaging unit	20	20	20
Pieces per pallet	1200	900	600

Paints filled (matte)

Packaging	300 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag
 matt anthracite	S100-03-C8683	on request	on request
 matt bahamabeige	S100-03-C8685	on request	on request
 matt caramel	S100-03-C8686	on request	on request
 matt cement-grey 31	S100-03-C8682	on request	on request
 matt grey	S100-03-C8680	on request	on request
 matt manhattan	S100-03-C8679	on request	on request
 matt pergamon	S100-03-C8684	on request	on request
 matt sanitary grey	S100-03-C8681	on request	on request
 matt silver-grey	S100-03-C8678	on request	on request
 matt white	S100-03-C8687	on request	on request
Packaging unit	20	20	20
Pieces per pallet	1200	900	600



OTTOSEAL® S 105

The bathroom silicone



1-component silicone sealant based on acetate
For indoor and outdoor application

Characteristics

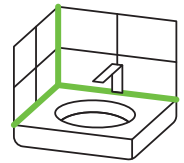
- ▶ **Contains fungicides**
Resistance to mould infestation
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Expansion joints in connection joints in the floor and wall area
- ▶ Expansion joints in bathroom areas
- ▶ Sealing double-glazings (e. g. "Profilit")

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 2: G CC 25 LM
- ▶ Tested according to EN 15651 – Part 3: XS 1
- ▶ Suitable for applications according to IVD instruction sheet no. 3-1+3-2+14+31+35 (IVD = German industry association sealants)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Tested fire behaviour in accordance with EN 13501: class E

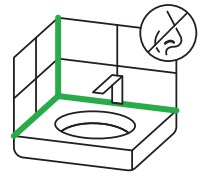


Packaging	310ml cartridge	400 ml aluminium foil bag
agate grey	S105-04-C62	on request
anthracite	S105-04-C67	on request
bahamabeige	S105-04-C10	S105-07-C10
basalt	S105-04-C1105	on request
beach-beige	S105-04-C1106	on request
black	S105-04-C04	on request
brown	S105-04-C05	on request
caramel	S105-04-C09	on request
cement-grey 31	S105-04-C706	on request
cloud grey	S105-04-C387	on request
fair grey no. 21	S105-04-C501	on request
fair-graphite	S105-04-C1168	on request
flannel grey	S105-04-C72	S105-07-C72
flash grey	S105-04-C787	S105-07-C787
fog	S105-04-C230	S105-07-C230
grey	S105-04-C02	S105-07-C02
grey 15	S105-04-C776	on request
grey-white	S105-04-C70	S105-07-C70
jasmin	S105-04-C08	S105-07-C08
joint-grey	S105-04-C71	S105-07-C71
light-grey	S105-04-C656	on request
manhattan	S105-04-C43	S105-07-C43
middle-brown	S105-04-C15	on request
pale grey	S105-04-C86	S105-07-C86
pergamon	S105-04-C84	on request
platinum grey	S105-04-C52	on request
sand grey 18	S105-04-C2044	on request
sanitary grey	S105-04-C18	S105-07-C18
silk grey	S105-04-C77	S105-07-C77
silver-grey	S105-04-C94	S105-07-C94
silver-grey no. 17	S105-04-C910	on request
snow-white	S105-04-C116	on request
stone grey	S105-04-C79	on request
transparent	S105-04-C00	S105-07-C00
white	S105-04-C01	S105-07-C01
Packaging unit	20	20
Pieces per pallet	1200	900

S 121

OTTOSEAL® S 121 SPECIAL

The low odour bathroom silicone



1-component silicone sealant based on alkoxy, neutral cross-linking
For indoor and outdoor application

Characteristics

- ▶ **Contains fungicides**
Resistance to mould infestation
- ▶ **Low odour**
Convenient processing
- ▶ **Excellent processing characteristics**
Very good surface smoothness
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Expansion joints in connection joints in the floor and wall area
- ▶ Expansion joints in bathroom areas
- ▶ For the external sealing of mirrors in connection with materials such as ceramic, metal, glass etc.



Standards and tests

- ▶ Tested according to EN 15651 – Part 3: XS 1
- ▶ Tested according to EN 15651 – Part 4: PW INT 12.5 E
- ▶ Suitable for applications according to IVD instruction sheet no. 3-1+3-2+14+31+35 (IVD = German industry association sealants)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Tested fire behaviour in accordance with EN 13501: class E

Packaging	310 ml cartridge	400 ml aluminium foil bag
● anthracite	S121-04-C67	on request
● fair jasmin	S121-04-C112	on request
● grey	S121-04-C02	on request
● joint-grey	S121-04-C71	on request
● manhattan	S121-04-C43	on request
● silver-grey	S121-04-C94	on request
○ snow-white	S121-04-C116	on request
○ transparent	S121-04-C00	on request
● transparent-grey	S121-04-C284	on request
○ white	S121-04-C01	on request
Packaging unit	20	20
Pieces per pallet	1200	900

OTTOSEAL® S 130 **SPECIAL**

The environmentally friendly bathroom silicone



1-component silicone sealant based on alkoxy, neutral cross-linking

For indoor and outdoor application

Characteristics

- ▶ **Contains the OTTO Fungitect® Silver technology**
Health and ecologically harmless mould protection
- ▶ **Compatible with natural stone**
Does not cause any migratory staining on natural stone
- ▶ **Low odour**
Convenient processing
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Expansion joints in connection joints in the floor and wall area
- ▶ Expansion joints in bathroom areas
- ▶ For jointing on ceramic tiles and natural stone

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT 20 LM
- ▶ Tested according to EN 15651 – Part 3: XS 1
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 3-1+3-2+14+21+23+27+31+35 (IVD = German industry association sealants)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Classification according to building certification systems, see the sustainability data sheet



Packaging	310 ml cartridge
bahamabeige	S130-04-C10
black	S130-04-C04
concrete grey	S130-04-C56
jasmin	S130-04-C08
joint-grey	S130-04-C71
manhattan	S130-04-C43
sanitary grey	S130-04-C18
silver-grey	S130-04-C94
snow-white	S130-04-C116
Packaging unit	20
Pieces per pallet	1200

**Additional useful information****Professional tips for the renovation of joints:**

Please observe the useful additional information on page 18 for OTTOSEAL® S 140 in order to guarantee the professional joint renewal.

**OTTO product tip**

OTTO Marble Silicone Smoothing Agent

p. 125

OTTO StainEx

p. 130

S 140

OTTOSEAL® S 140

SPECIAL

The hotel and spa silicone



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

- ▶ **Highly active fungicide plus innovative OTTO Fungitect® Silver Technology**
Double protection against mould
- ▶ **Compatible with natural stone**
Does not cause any migratory staining on natural stone
- ▶ **High resistance to notches, tension and tearing**
Resistant to high mechanical stresses
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Special silicone for sealing and jointing in hygiene areas with high stress on the silicone joints, e.g. in wet rooms, in public shower and bathing areas, in swimming pool complexes/leisure centres, in stadiums, gymnasiums, hospitals, thermal baths, spa areas, hotel bathrooms, etc.
- ▶ For jointing on ceramic tiles and natural stone in constantly wet areas
- ▶ Sealing of swimming pools and -baths as well as elastic jointing on the pool edges
- ▶ Well suitable for floor joints

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT 25 LM/ F EXT-INT CC 20 LM
- ▶ Tested according to EN 15651 – Part 3: XS 1
- ▶ Tested according to EN 15651 – Part 4: PW INT 12.5 E
- ▶ Suitable for applications according to IVD instruction sheet no. 3-1+3-2+14+17+23+27+31+35 (IVD = German industry association sealants)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml cartridge
adria blue	S140-04-C990
anthracite	S140-04-C67
grey	S140-04-C02
manhattan	S140-04-C43
sanitary grey	S140-04-C18
silk grey	S140-04-C77
snow-white	S140-04-C116
Packaging unit	20
Pieces per pallet	1200



Additional useful information

Professional tips for the renovation of joints:

For a professional renovation of joints it is absolutely necessary to remove all of the sealant damaged by mould thoroughly. It is also important to remove any residue from the bottom and the sides of the joint. Having done this the joint has to be treated with an Anti-Mildew Spray to kill off any leftover fungus spores. Only now the joint can be filled again.

If these measures are not carried out accurately, the sealant, even though it contains fungicides, can be infected by mould again shortly after because the spores are still in the joint.



OTTO product tip

OTTO Marble Silicone Smoothing Agent
OTTO StainEx

p. 125
p. 130



Natural stone sealants

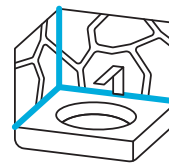


S70

OTTOSEAL® S70

★★★★★
PREMIUM

The premium natural stone silicone



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

- ▶ **Also in “structure” colours with a stonelike surface**
Harmonises with structured natural surfaces
- ▶ **Also available in matt-finished colours**
Harmonises with matt and glossy surfaces
- ▶ **Contains fungicides**
Resistance to mould infestation
- ▶ **Compatible with natural stone according to ISO 16938-1**
Guarantee – does not cause any migratory staining on natural stone
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Sealing and jointing on marble and all natural stones, e. g. sandstone, quartzite, granite, gneiss, porphyry etc. in interior and exterior areas
- ▶ Sealing of expansion joints in the area of floors, walls and facades
- ▶ Sealing and jointing of marble/natural stone swimming pools, also underwater joints
- ▶ For the external sealing of mirrors in connection with natural stone
- ▶ Sealing of lacquered and enamelled glass
- ▶ Joint filling material between ceramic tiles and natural stone outdoors
- ▶ Movement-compensating bonding of natural stone on metal, e. g. stairs on a metal construction



Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT 25 LM/F EXT-INT CC 20 LM
- ▶ Tested according to EN 15651 – Part 3: XS 1
- ▶ Tested according to EN 15651 – Part 4: PW EXT-INT 25 LM – applies only to the matt shades of OTTOSEAL® S 70 – all other shades comply with PW INT 12,5 E
- ▶ Tested according to ISO 16938-1 of SKZ Würzburg (Testing for migratory staining of sealants on natural stone)
- ▶ Tested according to ASTM C 1248 by DL Laboratories, New York (Testing for migratory staining of sealants on natural stone)
- ▶ Suitable for applications according to IVD instruction sheet no. 1+3-1+3-2+9+14+23+25+27+30+31+35 (IVD = German industry association sealants)
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ French VOC-emission class A+
- ▶ Declaration in “baubook” Austria
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Tested fire behaviour in accordance with EN 13501: class E

Paints unfilled (gloss)

Packaging	310 ml cartridge	400 ml aluminium foil bag
● adria blue	S70-04-C990	on request
● anthracite	S70-04-C67	S70-07-C67
● anthracite grey	S70-04-C137	on request
● autumn-grey	S70-04-C1108	on request
● bahamabeige	S70-04-C10	S70-07-C10
● black	S70-04-C04	on request
● brown	S70-04-C05	on request
● chinchilla	S70-04-C45	on request
● concrete grey	S70-04-C56	S70-07-C56
● dark green	S70-04-C37	on request
● fair blue structure	S70-04-C44	on request
● fair-grey structure	S70-04-C109	on request
● flash grey	S70-04-C787	on request
● fog	S70-04-C230	on request
● galaxy	S70-04-C4720	on request
● graphite black	S70-04-C1391	on request
● grey-blue structure	S70-04-C47	on request
● grey-red structure	S70-04-C41	on request
● jasmin	S70-04-C08	on request
● joint-grey	S70-04-C71	on request
● joint-grey structure	S70-04-C110	on request
● labrador blue	S70-04-C1390	on request
● light-grey	S70-04-C38	on request
● manhattan	S70-04-C43	S70-07-C43
Packaging unit	20	20
Pieces per pallet	1200	900

Packaging	310 ml cartridge	400 ml aluminium foil bag
● night-grey	S70-04-C1109	on request
● pearl-grey	S70-04-C80	on request
● pergamon	S70-04-C84	on request
● red-beige	S70-04-C82	on request
● sand-red structure	S70-04-C32	on request
● sandstone-beige	S70-04-C1110	on request
● sanitary grey	S70-04-C18	S70-07-C18
● silver-green structure	S70-04-C34	on request
● stainless steel	S70-04-C197	on request
● sunset	S70-04-C26	on request
● thistle-grey structure	S70-04-C111	on request
○ transparent	S70-04-C00	S70-07-C00
○ white	S70-04-C01	S70-07-C01
Packaging unit	20	20
Pieces per pallet	1200	900

Paints filled (matte)

Packaging	310 ml cartridge	400 ml aluminium foil bag
● matt anthracite	S70-04-C1300	on request
● matt anthracite grey	S70-04-C6116	on request
● matt bahamabeige	S70-04-C6115	on request
● matt black	S70-04-C6114	on request
● matt concrete grey	S70-04-C6113	on request
● matt jasmin	S70-04-C6117	on request
● matt manhattan	S70-04-C1282	on request
● matt sanitary grey	S70-04-C6111	on request
○ matt white	S70-04-C6112	on request
Packaging unit	20	20
Pieces per pallet	1200	900

OTTO product tip

OTTO Marble Silicone Smoothing Agent
OTTO StainEx

p. 125

p. 130



S80

OTTOSEAL® S80 SPECIAL

The low odour natural stone silicone



1-component silicone sealant based on alkoxy, neutral cross-linking
For indoor and outdoor application

Characteristics

- ▶ **Also available in matt-finished colours**
Harmonises with matte surfaces
- ▶ **Also available in matte sanded colours**
Harmonises with matte and cementitious joint surfaces
- ▶ **Contains fungicides**
Resistance to mould infestation
- ▶ **Compatible with natural stone according to ISO 16938-1**
Guarantee – does not cause any migratory staining on natural stone
- ▶ **Low odour**
Convenient processing
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Sealing and jointing on marble and all natural stones, e. g. sandstone, quartzite, granite, gneiss, porphyry etc. in interior and exterior areas
- ▶ Sealing of expansion joints in the area of floors, walls and facades
- ▶ Expansion joints in bathroom areas
- ▶ For the external sealing of mirrors in connection with natural stone
- ▶ Sealing of lacquered and enamelled glass
- ▶ Joint filling material between ceramic tiles and natural stone outdoors
- ▶ Movement-compensating bonding of natural stone on metal, e. g. stairs on a metal construction

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25
- ▶ Tested according to EN 15651 – Part 3: S
- ▶ Tested according to EN 15651 – Part 4: PW EXT-INT 12.5 E
- ▶ Tested according to ISO 16938-1 of SKZ Würzburg (Testing for migratory staining of sealants on natural stone)
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 3-1+3-2+9+14+23+25+27+30+31+35 (IVD = German industry association sealants)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Tested fire behaviour in accordance with EN 13501: class E



Paints unfilled (gloss)

Packaging	310 ml cartridge	400 ml aluminium foil bag
● anthracite	S80-04-C67	on request
● anthracite grey	S80-04-C137	on request
● bahamabeige	S80-04-C10	on request
● light-grey	S80-04-C38	on request
● manhattan	S80-04-C43	on request
● sanitary grey	S80-04-C18	on request
○ transparent	S80-04-C00	on request
○ white	S80-04-C01	on request
Packaging unit	20	20
Pieces per pallet	1200	900

Paints filled (matte)

Packaging	310 ml cartridge	400 ml aluminium foil bag
● matt anthracite	S80-04-C1300	on request
● matt anthracite grey	S80-04-C6116	on request
● matt bahamabeige	S80-04-C6115	on request
● matt black	S80-04-C6114	on request
● matt jasmin	S80-04-C6117	on request
● matt manhattan	S80-04-C1282	on request
● matt sanitary grey	S80-04-C6111	on request
○ matt white	S80-04-C6112	on request
Packaging unit	20	20
Pieces per pallet	1200	900

Paints filled (matt sanded)

Packaging	310 ml cartridge	400 ml aluminium foil bag
● matt sanded concrete grey	S80-04-C8654	on request
● matt sanded jasmin	S80-04-C8652	on request
● matt sanded old white	S80-04-C8656	on request
● matt sanded sanitary grey	S80-04-C8650	on request
Packaging unit	20	20
Pieces per pallet	1200	900



OTTO Marble Silicone Smoothing Agent
OTTO StainEx

p. 125

p. 130

OTTOSEAL® S 117

The natural stone silicone



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

- ▶ **Contains fungicides**
Resistance to mould infestation
- ▶ **Compatible with natural stone**
Does not cause any migratory staining on natural stone
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

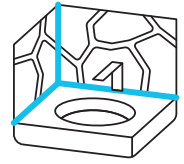
Fields of application

- ▶ Sealing and jointing on marble and all natural stones, e. g. sandstone, quartzite, granite, gneiss, porphyry etc. in interior and exterior areas
- ▶ Sealing of expansion joints in wall and façade areas



Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 20 LM
- ▶ Tested according to EN 15651 – Part 3: XS 1
- ▶ Suitable for applications according to IVD instruction sheet no. 3-1+3-2+14+23+25+27+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Classification according to building certification systems, see the sustainability data sheet



Packaging	310 ml cartridge	400 ml aluminium foil bag
● anthracite	S117-04-C67	S117-07-C67
● bahamabeige	S117-04-C10	S117-07-C10
● black	S117-04-C04	on request
● buxy	S117-04-C4098	on request
● concrete grey	S117-04-C56	S117-07-C56
● jasmin	S117-04-C08	on request
● manhattan	S117-04-C43	S117-07-C43
● pearl-grey	S117-04-C80	on request
● sandstone-beige	S117-04-C1110	on request
● sanitary grey	S117-04-C18	S117-07-C18
○ transparent	S117-04-C00	on request
○ white	S117-04-C01	on request
Packaging unit	20	20
Pieces per pallet	1200	900



OTTO product tip

OTTO Marble Silicone Smoothing Agent
OTTO StainEx

p. 125
p. 130

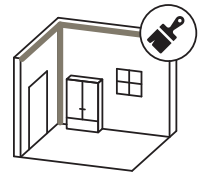
Expansion and connection joint sealants



OTTOSEAL® A 205

★★★★★
PREMIUM

The premium acrylic sealant



1-component sealant based on acrylate
For indoor and outdoor application

Characteristics

- ▶ **18 % permissible movement capability as per ISO 9046**
Suitable also for large joint movements
- ▶ **No yellowing/greying**
No colour change after curing
- ▶ **Frost-resistant -10 °C/up to 48 hours**
Can be stored and transported in temperatures as low as -10 °C for up to 48 hours
- ▶ **Compatible with coatings according to DIN 52452**
No interaction with existing and adjacent coatings
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and elastic protective coating possible
- ▶ **Good UV-resistance**
Long durability in exposed areas

Fields of application

- ▶ For connection joints in the base, wall and ceiling area, such as on window sills and shutter casings
- ▶ Can be used at temperatures above 5 °C as well as outdoors

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT 12.5 P
- ▶ Suitable for applications according to IVD instruction sheet no. 12+16+20+29+31+32+35 (IVD = German industry association sealants)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Tested fire behaviour in accordance with EN 13501: class E

Packaging	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag
● black	A205-04-C04	on request	on request
● brown	A205-04-C05	on request	on request
● concrete grey	A205-04-C56	on request	A205-08-C56
○ white	A205-04-C01	A205-07-C01	A205-08-C01
Packaging unit	20	20	20
Pieces per pallet	1200	900	880



Additional useful information

OTTOSEAL® A 205 should be processed at surface temperatures ranging between +5 °C and +35 °C. Curing takes longer than usual at lower temperatures. This may lead to crack formation in the sealant caused by stress owing to changes to the lengths of the adjacent components before curing has been completed. Also at high temperatures there is the risk of an alteration caused by the thermal changes. If the components cool down too much shortly after the joint is formed, the sealant may be subject to a strong extension or compression which the still thin skin of the sealant cannot compensate.

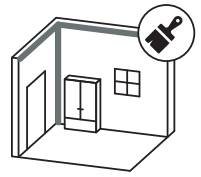
Direct exposure to water owing to rain or draining water must be avoided during application and curing of OTTOSEAL® A 205 until a firm skin has formed on its surface. Once completely cured, OTTOSEAL® A 205 is resistant to rain and temperature-stable from -20 °C to +80 °C. It must be borne in mind that all dispersion acrylates contain water and are therefore sensitive to frost until fully cured.



A 207

OTTOSEAL® A 207

The acrylic sealant



1-component sealant based on acrylate
For indoor application

Characteristics

- › **15 % permissible movement capability as per ISO 9046**
Suitable also for large joint movements
- › **No yellowing/greying**
No colour change after curing
- › **Frost-resistant -10 °C/up to 48 hours**
Can be stored and transported in temperatures as low as -10 °C for up to 48 hours
- › **Compatible with coatings according to DIN 52452**
No interaction with existing and adjacent coatings
- › **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and elastic protective coating possible

Packaging	300 ml cartridge
○ white	A207-03-C01
Packaging unit	20
Pieces per pallet	1200



Fields of application

- › For connection joints in the base, wall and ceiling area, such as on window sills and shutter casings

Standards and tests

- › Suitable for applications according to IVD instruction sheet no. 12+16+20+29+31+32+35 (IVD = German industry association sealants)
- › Quality seal of the IVD (Industrial association for sealants, registered society), tested by the IfT Rosenheim (Institute of window engineering, registered society)
- › According to regulation (EG) no. 1907/2006 (REACH)
- › French VOC-emission class A+
- › Tested according to EN 15651 – Part 1: F EXT-INT 12.5 P
- › Tested fire behaviour in accordance with EN 13501: class E
- › Classification according to building certification systems, see the sustainability data sheet

OTTOSEAL® A210

The painters' acrylic



1-component sealant based on acrylate
For indoor application

Characteristics

- ▶ **10 % permissible movement capability as per ISO 9046**
Suitable also for large joint movements
- ▶ **No yellowing/greying**
No colour change after curing
- ▶ **Frost-resistant -10 °C/up to 48 hours**
Can be stored and transported in temperatures as low as -10 °C for up to 48 hours
- ▶ **Compatible with coatings according to DIN 52452**
No interaction with existing and adjacent coatings
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and elastic protective coating possible

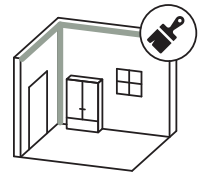


Fields of application

- ▶ For connection joints in the base, wall and ceiling area, such as on window sills and shutter casings

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F INT 7.5 P
- ▶ Suitable for applications according to IVD instruction sheet no. 12+20+29+31+32+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Classification according to building certification systems, see the sustainability data sheet

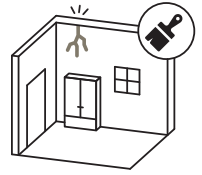


Packaging	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag
● concrete grey	A210-04-C56	on request	on request
○ white	A210-04-C01	on request	A210-08-C01
Packaging unit	20	20	20
Pieces per pallet	1200	900	880

A215

OTTOSEAL® A215 **SPECIAL**



The grainy crack and repair filler



1-component acrylate crack and repair compound granular structure
For indoor and outdoor application

Characteristics

- › **Granular structure**
Adapts ideally to the plaster structure
- › **No yellowing/greying**
No colour change after curing
- › **Frost-resistant -10 °C/up to 48 hours**
Can be stored and transported in temperatures as low as -10 °C for up to 48 hours
- › **Compatible with coatings according to DIN 52452**
No interaction with existing and adjacent coatings
- › **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and elastic protective coating possible
- › **Good UV-resistance**
Long durability in exposed areas

Packaging	310 ml cartridge
 light-grey	A215-04-C38
 white	A215-04-C01
Packaging unit	20
Pieces per pallet	1200



Fields of application

- › For sealing masonry and plaster cracks
- › Smoothing out irregularities
- › For connection joints in the base, wall and ceiling area, such as on window sills and shutter casings
- › Can be used at temperatures above 5 °C as well as outdoors

Standards and tests

- › Suitable for applications according to IVD instruction sheet no. 12+31+35 (IVD = German industry association sealants)
- › French VOC-emission class A+
- › Classification according to building certification systems, see the sustainability data sheet

OTTOSEAL® A 250 **SPECIAL**

The roofers' and tinsmiths' acrylic

**1-component acrylate copolymer plastic sealant**

For indoor and outdoor application

Characteristics

- ▶ **Immediately rainproof**
Processable even in rain
- ▶ **Compatible with bitumen**
Does not cause any incompatibilities
- ▶ **Very good adhesion on many materials**
No pre-treatment required
- ▶ **Also bonding to damp surfaces**
No lost working time due to drying of the substrates
- ▶ **Compatible with coatings according to DIN 52452**
No interaction with existing and adjacent coatings
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and protective coating possible
- ▶ **Good UV-resistance**
Long durability in exposed areas

Fields of application

- ▶ Perfect sealing for roofers and plumbers
- ▶ Sealing of air condition and ventilation systems
- ▶ Sealing of joints and seams on the roof, including on damp substrates
- ▶ Edge sealing of chimneys, metal profiles and parapet covers
- ▶ Sealing of bitumen coats on masonry, concrete, etc.
- ▶ Adhesion and joining of corrugated roofing tiles made from fibre cement, metal, PVC, polyester and bitumen (depending on the expected loads, e. g. wind suction, an additional mechanical attachment may be required)
- ▶ Barrier of building materials containing bitumen for the subsequent silicone sealant

Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 12+31+35 (IVD = German industry association sealants)



Packaging	310 ml cartridge
● black	A250-04-C04
○ crystal clear	A250-04-C30
● grey	A250-04-C02
○ white	A250-04-C01
Packaging unit	20
Pieces per pallet	1200

**Additional useful information**

The sealing compound for bitumen can be used to seal dormers and penetrations as a barrier against building materials containing bitumen. It functions as an alternative to PE film barriers. For this purpose a sealant bead with a minimum thickness of 3mm is applied to the joint. Adhesion on moist, smooth, non-absorbant substrates is achieved even without using primers. The maximum joint width should not exceed 10mm and the sealant is only suitable for joints that show little movement, due to its plastic properties.

Because of its excellent adhesive power it tends to become stringy which can be avoided by jerking the cartridge away. OTTOSEAL® A 250 remains slightly sticky; therefore face joints must be sealed afterwards with OTTOSEAL® S 110 or OTTOSEAL® S 120, which cure with non-sticky surfaces to protect the sealant surface from being soiled.

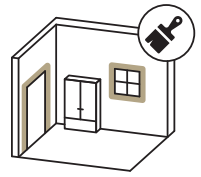
OTTOSEAL® A 250 is not suitable for Styropor® or Styrodur®, for building expansion joints, floor and skirting board joints as well as for sealants for underwater use.



A 710

OTTOSEAL® A 710 **SPECIAL**

The acrylic sealant for RAL assembly inside



1-component sealant based on acrylate
For indoor application

Characteristics

- ▶ **Low vapour permeability**
Complies with the requirements of the RAL assembly guideline
- ▶ **Low odour**
Convenient processing
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and elastic protective coating possible
- ▶ **Permissible movement capability according to ISO 9046 (manufacturer's test) 18 %**
Suitable also for large joint movements
- ▶ **Frost-resistant -10 °C/up to 48 hours**
Can be stored and transported in temperatures as low as -10 °C for up to 48 hours

Packaging	310 ml cartridge	580 ml aluminium foil bag
○ white	A710-04-C01	A710-08-C01
Packaging unit	20	20
Pieces per pallet	1200	880

OTTO product tip

OTTOSEAL® P 720
OTTOSEAL® S 730

p. 35
p. 37



Fields of application

- ▶ For window and door mounting **INSIDE**
- ▶ For lasting airtight inside sealing of joints between windows and construction elements to be used in combination with OTTOSEAL® P 720 and OTTOSEAL® S 730 (for exterior application)



Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT 12.5 P
- ▶ Tested according to "Air impermeability and driving rain resistance of joints between window and construction parts after simulated short-term strain" by the IfT Rosenheim, Germany (institute for window techniques)
- ▶ Suitable for applications according to IVD instruction sheet no. 9+12+24+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Classification according to building certification systems, see the sustainability data sheet

OTTOSEAL® M 360

The hybrid sealant for building joints



1-component hybrid polymer STP sealant
For indoor and outdoor application

Characteristics

- ▶ **Tack-free surface after approx. 6 hours**
Less risk of contamination
- ▶ **Silicone-free**
- ▶ **Free of isocyanates**
- ▶ **Low odour**
Convenient processing
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Decorative paint and protective coating possible
- ▶ **Good weathering and ageing resistance**
For long-lasting indoor and outdoor applications
- ▶ **Cures without bubble formation**
Suitable for optically demanding joints
- ▶ **Temperature resistance from -40 to +90 °C.**

Fields of application

- ▶ Building construction joints in accordance with DIN 18540-F
- ▶ Sealing of joints on façades, metal constructions
- ▶ Expansion joints on prefabricated concrete and cellular concrete units
- ▶ Bonding of OTTO Window Tapes BAB-V and BAB-VD on masonry, concrete, cellular concrete etc.
- ▶ Connection to a structure, e.g. connection to a window frame, doors, gates and drywall to the structure such as wall opening as well as transition areas e.g. from a concrete wall to a wooden stud wall/glass partition
- ▶ Closure of cracks and holes in façades and interior walls, such as in scaffolding/paintwork

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM/ ISO 11600-F-25 LM
- ▶ Component test "Airtightness and driving rain resistance of a sealant system between window and structural part according to ift-guideline MO-01"
- ▶ Accumulation water – Testing according to the guideline "Building waterproofing – Connection to floor-deep windows and doors, Part 2" together with Remmers waterproofing system "Liquid waterproofing with fleece carrier"
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Suitable for applications according to IVD instruction sheet no. 7+9+12+19-1+20+22+24+27+29+31+32+35 (IVD = German industry association sealants)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ Tested fire behaviour in accordance with EN 13501: class E

Packaging	310 ml cartridge	580 ml aluminium foil bag
● basalt	M360-04-C2260	M360-08-C2260
● black	M360-04-C04	M360-08-C04
● brickred	M360-04-C3178	M360-08-C3178
● concrete grey	M360-04-C56	M360-08-C56
● dark brown	M360-04-C49	M360-08-C49
● dark concrete grey	M360-04-C3172	M360-08-C3172
● grey aluminium	M360-04-C5078	M360-08-C5078
● light greybeige	M360-04-C537	M360-08-C537
● manhattan	M360-04-C43	M360-08-C43
● middle-grey	M360-04-C3182	M360-08-C3182
● mortar grey	M360-04-C102	M360-08-C102
● RAL 7016	M360-04-C7016	M360-08-C7016
● RAL 7039	M360-04-C7039	M360-08-C7039
● RAL 9001	M360-04-C9001	M360-08-C9001
● RAL 9016	M360-04-C9016	M360-08-C9016
● sandbeige	M360-04-C3180	M360-08-C3180
● white	M360-04-C01	M360-08-C01
Packaging unit	20	20
Pieces per pallet	1200	880

OTTO product tip

OTTO Window tape Vario

p. 182

OTTO Window tape Vario Duo

p. 183



M 361

OTTOSEAL® M 361

The structure-hybrid sealant for building joints



1-component structured hybrid polymer STP sealant

For indoor and outdoor application

Characteristics

- ▶ **Granular structure**
Adapts ideally to the plaster structure
- ▶ **Tack-free surface after approx. 6 hours**
Less risk of contamination
- ▶ **Silicone-free**
- ▶ **Free of isocyanates**
- ▶ **Low odour**
Convenient processing
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Decorative paint and protective coating possible
- ▶ **Good weathering and ageing resistance**
For long-lasting indoor and outdoor applications
- ▶ **Cures without bubble formation**
Suitable for optically demanding joints
- ▶ **Temperature resistance from -40 to +90 °C.**

Fields of application

- ▶ Building construction joints in accordance with DIN 18540-F
- ▶ Sealing of joints on façades, metal constructions
- ▶ Expansion joints on prefabricated concrete and cellular concrete units
- ▶ Bonding of OTTO Window Tapes BAB-V and BAB-VD on masonry, concrete, cellular concrete etc.
- ▶ Connection to a structure, e.g. connection to a window frame, doors, gates and drywall to the structure such as wall opening as well as transition areas e.g. from a concrete wall to a wooden stud wall/glass partition and tiled stoves partition.
- ▶ Movement compensating joint sealing between tiles and connecting joints for tile stoves
- ▶ Closure of cracks and holes in façades and interior walls, such as in scaffolding/paintwork

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM/ISO 11600-F-25 LM
- ▶ Component test "Airtightness and driving rain resistance of a sealant system between window and structural part according to ift-guideline MO-01"
- ▶ Accumulation water – Testing according to the guideline "Building waterproofing – Connection to floor-deep windows and doors, Part 2" together with Remmers waterproofing system "Liquid waterproofing with fleece carrier"
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Suitable for applications according to IVD instruction sheet no. 7+9+12+20+22+24+27 +29+31+32+35 (IVD = German industry association sealants)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ Tested fire behaviour in accordance with EN 13501: class E

Packaging	310 ml cartridge	580 ml aluminium foil bag
● concrete grey	M361-04-C56	on request
● light greybeige	M361-04-C537	on request
● mortar grey	M361-04-C102	on request
○ RAL 9016	M361-04-C9016	M361-08-C9016
● sandbeige	M361-04-C3180	on request
Packaging unit	20	20
Pieces per pallet	1200	880

OTTO product tip

OTTO Window tape Vario

OTTO Window tape Vario Duo

p. 182

p. 183



OTTOSEAL® P300

The PU sealant for connection joints



1-component sealant based on polyurethane
For indoor and outdoor application

Characteristics




- ▶ **Silicone-free**
- ▶ **Compatible with coatings according to DIN 52452**
No interaction with existing and adjacent coatings
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and protective coating possible
- ▶ **Good weathering and ageing resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ External joints according to DIN 18540-F
- ▶ Expansion joints on prefabricated concrete and cellular concrete units
- ▶ Sealing of façades, metal constructions, window and door connections, flat roof parapets

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested and monitored according to DIN 18540-F (Süddeutsches Kunststoff-Zentrum, Würzburg, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 7 +9+12+20+22+24+27+29+31+32+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	600 ml aluminium foil bag
 concrete grey	P300-19-C56
 middle-grey	P300-19-C78
 white	P300-19-C01
Packaging unit	20
Pieces per pallet	880



P305

OTTOSEAL® P305

★★★★★
PREMIUM

The premium PU sealant for connection joints



1-component sealant based on polyurethane
For indoor and outdoor application

Characteristics

- › **Silicone-free**
- › **Compatible with coatings according to DIN 52452**
No interaction with existing and adjacent coatings
- › **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and protective coating possible
- › **Good weathering and ageing resistance**
For long-lasting indoor and outdoor applications
- › **Cures without bubble formation**
Suitable for optically demanding joints

Fields of application

- › External joints according to DIN 18540-F
- › Expansion joints on prefabricated concrete and cellular concrete units
- › Sealing of façades, metal constructions, window and door connections, flat roof parapets



Standards and tests

- › Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- › Tested and monitored according to DIN 18540-F (Süddeutsches Kunststoff-Zentrum, Würzburg, Germany)
- › Suitable for applications according to IVD instruction sheet no. 7 +9+12+20+22+24+27+29+31+32+35 (IVD = German industry association sealants)
- › Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- › According to regulation (EG) no. 1907/2006 (REACH)
- › French VOC-emission class A+
- › EMICODE® EC 1 PLUS – very low emission
- › Tested fire behaviour in accordance with EN 13501: class E
- › Classification according to building certification systems, see the sustainability data sheet

Packaging	600 ml aluminium foil bag
● black	P305-19-C04
● concrete grey	P305-19-C56
● light-grey	P305-19-C38
● middle-grey	P305-19-C78
● mortar grey	P305-19-C102
○ white	P305-19-C01
Packaging unit	20
Pieces per pallet	880

OTTOSEAL® P 720 **SPECIAL**

The PU sealant for RAL assembly outside



1-component sealant based on polyurethane
For outdoor application

Characteristics

- ▶ **Complies with the requirements of the RAL assembly guideline (e. g. high water vapour permeability)**
Complies with tender requirements for component-tested systems and installations
- ▶ **Silicone-free**
- ▶ **Compatible with coatings according to DIN 52452**
No interaction with existing and adjacent coatings
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and protective coating possible
- ▶ **Good weathering and ageing resistance**
For long-lasting indoor and outdoor applications
- ▶ **Cures without bubble formation**
Suitable for optically demanding joints

Fields of application

- ▶ For window and door mounting **OUTSIDE**
- ▶ Water permeable sealing of external joints between windows and construction parts resistant to driving rain to be used in combination with OTTOSEAL® A 710 (for the interior application)

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to "Air impermeability and driving rain resistance of joints between window and construction parts after simulated short-term strain" by the IfT Rosenheim, Germany (institute for window techniques)
- ▶ Suitable for applications according to IVD instruction sheet no. 9+12+24+27+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml aluminium cartridge	580 ml aluminium foil bag
● concrete grey	P720-20-C56	on request
○ white	P720-20-C01	P720-08-C01
Packaging unit	20	20
Pieces per pallet	1200	600

**OTTO product tip**

OTTOSEAL® A 710

p. 30



S 115

OTTOSEAL® S 115

The construction silicone



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

- › **Contains fungicides**
Resistance to mould infestation
- › **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- › **Good compatibility with paints according to DIN 52452 (not paintable)**
No interaction with existing and adjacent coatings
- › **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- › Expansion joints on prefabricated concrete and cellular concrete units
- › Sealing of joints on façades, metal constructions
- › Sealing of joints on windows and doors made of wood, metal and plastic
- › Expansion joints in bathroom areas



Standards and tests

- › Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- › Tested according to EN 15651 – Part 3: XS 1
- › According to the requirements of DIN 18540-F
- › Suitable for applications according to IVD instruction sheet no. 3-1+3-2+7+9+14+19-1+20+24+25+27+29+31+32+35 (IVD = German industry association sealants)
- › Classification according to building certification systems, see the sustainability data sheet
- › French VOC-emission class A+
- › Tested fire behaviour in accordance with EN 13501: class E

Packaging	310ml cartridge	400ml aluminium foil bag	580ml aluminium foil bag
alu	S115-04-C14	on request	on request
anthracite	S115-04-C67	on request	S115-08-C67
beige	S115-04-C16	on request	on request
black	S115-04-C04	on request	S115-08-C04
brown	S115-04-C05	on request	on request
concrete grey	S115-04-C56	on request	S115-08-C56
grey	S115-04-C02	S115-07-C02	S115-08-C02
jasmin	S115-04-C08	on request	on request
manhattan	S115-04-C43	on request	S115-08-C43
sanitary grey	S115-04-C18	S115-07-C18	S115-08-C18
silk grey	S115-04-C77	on request	S115-08-C77
silver-grey	S115-04-C94	on request	on request
transparent	S115-04-C00	S115-07-C00	S115-08-C00
white	S115-04-C01	S115-07-C01	S115-08-C01
Packaging unit	20	20	20
Pieces per pallet	1200	900	600

OTTOSEAL® S730 **SPECIAL**

The building joint silicone for exterior RAL assembly



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For outdoor application

Characteristics

- ▶ **Complies with the requirements of the RAL assembly guideline (e.g. high water vapour permeability)**
Complies with tender requirements for component-tested systems and installations
- ▶ **Contains fungicides**
Resistance to mould infestation
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Good compatibility with paints according to DIN 52452 (not paintable)**
No interaction with existing and adjacent coatings
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ For window and door mounting OUTSIDE
- ▶ Water permeable sealing of external joints between windows and construction parts resistant to driving rain to be used in combination with OTTOSEAL® A 710 (for the interior application)

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to "Air impermeability and driving rain resistance of joints between window and construction parts after simulated short-term strain" by the IfT Rosenheim, Germany (institute for window techniques)
- ▶ Suitable for applications according to IVD instruction sheet no. 9+24+27+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml cartridge	580 ml aluminium foil bag
● black	S730-04-C04	on request
● cement grey	S730-04-C706	on request
● grey	S730-04-C02	on request
○ white	S730-04-C01	S730-08-C01
Packaging unit	20	20
Pieces per pallet	1200	600



OTTOSEAL® A 710

p. 30



Floor sealants



OTTOSEAL® A 221 Parkett

The parquet joint sealant



1-component acrylate sealant
For indoor application

Characteristics

- ▶ **Silicone-free according to DIN 18356**
No interactions with commercially available parquet coatings
- ▶ **Grindable and paintable after curing**
Optically flawless joint adaptation
- ▶ **Store and transport frost-free**

Fields of application

- ▶ Joint compound for parquet, laminate floors, wooden floor boards and cork floors
- ▶ Joint compound for floor and skirting boards, door sills and other structural components
- ▶ Joint compound for repair joints on wood

Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 8+12+31+35 (IVD = German industry association sealants)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ French VOC-emission class A+



Packaging	310 ml cartridge
● antique oak	A221-04-C700
● ash, pine, spruce, Eur. maple	A221-04-C105
● beech muted	A221-04-C66
● cherry	A221-04-C17
● dark oak	A221-04-C1237
● fair oak	A221-04-C64
● joint-grey	A221-04-C71
● larch	A221-04-C104
● light-beech, Can. maple	A221-04-C53
● mahogany, merbau	A221-04-C29
● natural ash	A221-04-C884
● old white	A221-04-C51
● rustic oak	A221-04-C98
● teak, afrormosia	A221-04-C101
Packaging unit	20
Pieces per pallet	1200

M390

OTTOSEAL® M390

The floor sealant



1-component hybrid polymer STP sealant
For indoor and outdoor application

Characteristics

- ▶ **Very high abrasion resistance and tear resistance**
Resists high mechanical loads
- ▶ **Good resistance to influence of chemicals**
Suitable for use in areas subject to heavy chemical exposure
- ▶ **Very good adhesion on many materials**
Can be used on many materials without pretreatment
- ▶ **Cures practically without shrinkage**
No reworking and no concave fillets that tend to become soiled
- ▶ **Extremely elastic**
Compensates movements
- ▶ **Low odour**
Convenient processing
- ▶ **Silicone-free**
No interactions with commercially available parquet coatings
- ▶ **Free of isocyanates**
- ▶ **Good weathering and ageing resistance**
For long-lasting indoor and outdoor applications
- ▶ **Grindable and paintable after curing**
Optically flawless joint adaptation



Standards and tests

- ▶ Tested according to EN 15651 – Part 4: PW EXT-INT CC 25 HM
- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 1+8+21+35 (IVD = German industry association sealants)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Declaration in "baubook" Austria
- ▶ French VOC-emission class A+
- ▶ Tested fire behaviour in accordance with EN 13501: class E

Packaging	310 ml cartridge	580 ml aluminium foil bag
ash, pine, spruce, Eur. maple	M390-04-C105	on request
bahamabeige	M390-04-C10	M390-08-C10
basalt	M390-04-C2260	M390-08-C2260
beech	M390-04-C76	on request
cherry	M390-04-C17	M390-08-C17
concrete grey	M390-04-C56	M390-08-C56
dark brown	M390-04-C49	M390-08-C49
dark oak	M390-04-C1237	M390-08-C1237
fair oak	M390-04-C64	M390-08-C64
pebble grey	M390-04-C8180	M390-08-C8180
rustic oak	M390-04-C98	M390-08-C98
titan grey	M390-04-C1172	M390-08-C1172
white	M390-04-C01	on request
Packaging unit	20	20
Pieces per pallet	1200	600

Fields of application

- ▶ Sealing of joints in parquet, laminate, wooden, cork, plastic and vinyl floors
- ▶ Sealing of mechanically highly loaded movement and connection joints, which are exposed to stationary loads or rolling traffic, e.g. in warehouses and production halls, workshops, yards, car washes, parking decks, underground car parks etc.
- ▶ Sealing of chemically heavily loaded floor and connecting joints, e.g. in dairies, abattoirs, beverage and food production plants, canteen kitchens, etc.
- ▶ Stress-equalising sealing of floor and connection joints in interior and exterior areas on pedestrian paths, balconies, terraces and public areas
- ▶ Sealing of movement joints between concrete slabs

OTTOSEAL® S34 SPECIAL

The floor silicone



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

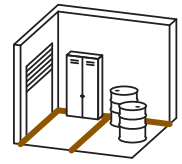
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Extraordinary long-term temperature resistance up to +265°C**
Suitable for special thermal requirements
- ▶ **Very good resistance to influence of chemicals**
Suitable for use in areas subject to heavy chemical exposure
- ▶ **Very high mechanical strength, resistance to notches, tension and tearing**
Suitable for traffic areas (e.g. forklift traffic in compliance with IVD leaflet no. 1) and resistant to mechanical cleaning with high-pressure cleaners
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Sealing of chemically heavily loaded floor and connecting joints, e.g. in dairies, abattoirs, beverage and food production plants, canteen kitchens, etc.
- ▶ Sealing of floor joints subject to high mechanical stress, e.g. in storage and production halls, yard areas, parking decks, underground car parks, workshops, car washes etc.

Standards and tests

- ▶ Tested according to EN 15651 – Part 4: PW EXT-INT 25 LM
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 1 +19-1+21+31+35 (IVD = German industry association sealants)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ French VOC-emission class A+
- ▶ Tested fire behaviour in accordance with EN 13501: class E



Packaging	310 ml cartridge	400 ml aluminium foil bag
● anthracite	S34-04-C67	on request
● dust grey	S34-04-C89	on request
● sanitary grey	S34-04-C18	S34-07-C18
Packaging unit	20	20
Pieces per pallet	1200	900



Additional useful information

Correct execution of floor joints depends both on correct dimensioning and on the use of a suitable sealant. Dimensioning results from the distance between joints, mechanical load and the thermal linear expansion of the building materials.

In accordance with IVD leaflet no. 1, the following dimensions apply for joints indoors and outdoors to sealants with a permitted total distortion of 25%:

Distance between joints	Width of joints in indoor areas	Depth of joints in indoor areas
2,0m	10mm	10mm
4,0m	10mm	10mm
6,0m	10mm	10mm

Distance between joints	Width of joints in outdoor areas	Depth of joints in outdoor areas
2,0m	10mm	10mm
4,0m	15mm	10mm
6,0m	20mm	15mm

The joint width should be at least 10mm. The thickness of the sealant should be limited to a maximum of 15mm by backfilling the joints. Floor joints wider than 15mm, which are walked and driven over, should be covered with protective boards resp. be protected against mechanical damage to the sealant.

The extremely high resistance to chemicals of OTTOSEAL® S34, its very high notch-impact and tear toughness and its resistance to mechanical high pressure cleaning also contribute to its suitability for joints that are subject to a high degree of mechanical stress.



S51

OTTOSEAL® S51 ★★★★★ PREMIUM

The premium plastic floor silicone



1-component silicone sealant based on amino-oxime MEKO-free
For indoor and outdoor application

Characteristics

- ▶ **Wide range of colours**
Colour adapted to common floor coverings (e.g. PVC, rubber and linoleum)
- ▶ **Flame retardant – building material class B1 according to DIN 4102 and DIN EN ISO 4589**
For special fire protection requirements
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Floor and connection joints for plastic and design floor coverings made of rubber, linoleum, vinyl and PVC
- ▶ Equalizing sealing of similar and dissimilar working materials such as glass, stainless steel, aluminium and some plastics

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 4: PW EXT-INT CC 25 LM
- ▶ Tested according to DIN 4102-B1 – hardly inflammable between solid mineral building materials (wood research at the Munich Technical University)
- ▶ Tested according to DIN EN ISO 4589-2:1999 Plastics – Definition of the fire-behaviour due to the oxygen index (Bodycote Warringtonfire)
- ▶ Tested for applications in the cleanroom sector by the Institute for Hygiene Gelsenkirchen, Germany
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Suitable for applications according to IVD instruction sheet no. 1+11+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+



Packaging	310 ml cartridge
agate grey	S51-04-C62
anthracite	S51-04-C67
aqua	S51-04-C1042
bahamabeige	S51-04-C10
black	S51-04-C04
blue grey	S51-04-C1671
blue-grey	S51-04-C964
brilliant blue	S51-04-C958
brown	S51-04-C05
brown-red	S51-04-C1063
cherry	S51-04-C17
clay	S51-04-C1053
cloud grey	S51-04-C1670
cream beige	S51-04-C1043
cream-white	S51-04-C7148
crema	S51-04-C1657
dark brown	S51-04-C49
deep sea blue	S51-04-C983
doussie, pear tree	S51-04-C85
fair oak	S51-04-C64
flash grey	S51-04-C787
lime green	S51-04-C7699
melon	S51-04-C1044
orangina	S51-04-C1129
oxide-red	S51-04-C1131
pale brown	S51-04-C1062
pastel blue	S51-04-C982
pastel green	S51-04-C1008
pastel yellow	S51-04-C1056
patina green	S51-04-C1112
pearl-grey	S51-04-C1662
pine	S51-04-C5128
pure white	S51-04-C1646
rustic oak	S51-04-C98
saffron yellow	S51-04-C1049
sahara	S51-04-C103
sandstone grey	S51-04-C979
signal white	S51-04-C1651
stone grey	S51-04-C79
taupe	S51-04-C1667
thistle-grey	S51-04-C81
Packaging unit	20
Pieces per pallet	1200



Packaging	310 ml cartridge
 titan grey	S51-04-C1172
 tomato	S51-04-C1066
 transparent	S51-04-C00
 violet	S51-04-C1116
 white	S51-04-C01
Packaging unit	20
Pieces per pallet	1200



Floor sealants

S 125

OTTOSEAL® S 125

The low-odour floor and sanitary silicone



1-component silicone sealant based on alkoxy, neutral cross-linking
For indoor and outdoor application

Characteristics

- ▶ **Contains fungicides**
Resistance to mould infestation
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Floor and connection joints for plastic and design floor coverings made of rubber, linoleum, vinyl and PVC
- ▶ Expansion joints in bathroom areas
- ▶ For the external sealing of mirrors in connection with materials such as ceramic, metal, glass etc.
- ▶ Sealing of joints on windows and doors made of wood, metal and plastic
- ▶ Sealing of façades, parapet elements, roller blind housings and metal building constructions
- ▶ Expansion joints in prefabricated concrete constructions



Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 3: XS 1
- ▶ Tested according to EN 15651 – Part 4: PW INT 12.5 E
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 1+3-1+3-2+7+9+14+19-1+20+24+25+27+29+31+32+35 (IVD = German Industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Tested fire behaviour in accordance with EN 13501: class E

Paints filled (matte)

Packaging	310ml cartridge	400ml aluminium foil bag	580ml aluminium foil bag
● matt anthracite grey	S125-04-C6831	S125-07-C6831	on request
● matt basalt grey	S125-04-C8340	on request	on request
● matt beech	S125-04-C7111	on request	on request
● matt black	S125-04-C7112	on request	S125-08-C7112
● matt brown	S125-04-C1416	on request	on request
● matt chestnut	S125-04-C7114	on request	on request
● matt chocolate brown	S125-04-C6569	on request	on request
● matt dark oak	S125-04-C7104	on request	on request
● matt fair brown	S125-04-C7094	on request	on request
● matt fair jasmin	S125-04-C8336	on request	on request
● matt fair oak	S125-04-C7105	on request	on request
● matt linsey grey	S125-04-C6835	S125-07-C6835	on request
● matt manhattan	S125-04-C6874	on request	on request
● matt sanitary grey	S125-04-C6834	S125-07-C6834	on request
● matt silk grey	S125-04-C7110	on request	on request
● matt silver-grey	S125-04-C6645	S125-07-C6645	S125-08-C6645
● matt snow-white	S125-04-C6832	S125-07-C6832	S125-08-C6832
● matt stone grey	S125-04-C8338	on request	on request
● matt white	S125-04-C6919	on request	S125-08-C6919
Packaging unit	20	20	20
Pieces per pallet	1200	900	600

Paints unfilled (gloss)

Packaging	310ml cartridge	400ml aluminium foil bag	580ml aluminium foil bag
● alu	S125-04-C14	on request	on request
● anthracite	S125-04-C376	S125-07-C376	on request
● anthracite grey	S125-04-C137	S125-07-C137	on request
● basalt grey	S125-04-C8339	on request	on request
● black	S125-04-C04	on request	S125-08-C04
● brown	S125-04-C05	on request	on request
● concrete grey	S125-04-C6216	S125-07-C6216	on request
● dark oak	S125-04-C83	on request	on request
● fair jasmin	S125-04-C112	S125-07-C112	on request
● fair oak	S125-04-C64	on request	on request
● joint white	S125-04-C69	on request	on request
● linsey grey	S125-04-C433	S125-07-C433	on request
● manhattan	S125-04-C43	S125-07-C43	on request
Packaging unit	20	20	20
Pieces per pallet	1200	900	600

Packaging	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag
● RAL 7047	on request	S125-07-C7047	on request
● RAL 9001	S125-04-C9001	S125-07-C9001	on request
● sanitary grey	S125-04-C18	S125-07-C18	S125-08-C18
● silver-grey	S125-04-C94	S125-07-C94	on request
● snow-white	S125-04-C116	S125-07-C116	on request
● stone grey	S125-04-C8337	on request	on request
○ transparent	S125-04-C00	on request	S125-08-C00
● transparent-grey	S125-04-C284	S125-07-C284	on request
○ white	S125-04-C01	S125-07-C01	S125-08-C01
Packaging unit	20	20	20
Pieces per pallet	1200	900	600



Floor sealants

Fire protection and high temperature sealants



OTTOSEAL® S 17 **SPECIAL**

The neutral high temperature silicone



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

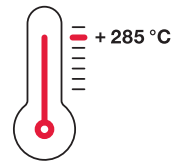
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **High temperature resistance up to +285 °C**
Suitable for special thermal requirements

Fields of application

- ▶ High temperature resistant and still elastic bonding and sealing, e. g. for cast member heating boilers, exhaust boxes, tile stoves etc.
- ▶ Also suitable for applications in automotive areas for engines and gearboxes

Standards and tests

- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Suitable for applications according to IVD instruction sheet no. 31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+



Packaging	310 ml cartridge
red-brown	S17-04-C65
Packaging unit	20
Pieces per pallet	1200

**Additional useful information**

The difference between the two high temperature silicones, OTTOSEAL® S 17 and OTTOSEAL® S 25, lies in the type of curing:

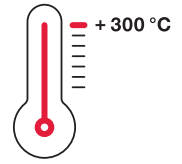
OTTOSEAL® S 17 is a neutral curing sealant based on oxime; OTTOSEAL® S 25 is an acetate curing sealant.

The high temperature resistance of OTTOSEAL® S 17 of up to +285 °C is complemented by the fact that the sealant is non-corrosive. The high degree of Shore-A hardness of approx. 35 is also indicative of the notch-resistant properties. These combined values result in a sealant that is suitable for use in heavy-duty applications, e. g. engines and transmissions.

S 25

OTTOSEAL® S 25 **SPECIAL**

The high temperature silicone



1-component silicone sealant based on acetate
For indoor and outdoor application

Characteristics


- ▶ **High adhesive power**
Suitable also as special adhesive
- ▶ **High temperature resistance up to +300 °C**
Suitable for special thermal requirements

Fields of application

- ▶ High temperature resistant and still elastic bonding and sealing, e. g. for cast member heating boilers, exhaust boxes, tile stoves etc.
- ▶ Also suitable for applications in automotive areas for engines and gearboxes

Standards and tests

- ▶ UL 94 Flame Classification HB, RTI 105 °C, File No. E 176319
- ▶ Suitable for applications according to IVD instruction sheet no. 31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml cartridge
 red-brown	S25-04-C65
Packaging unit	20
Pieces per pallet	1200



Additional useful information

The difference between the two high temperature silicones, OTTOSEAL® S 17 and OTTOSEAL® S 25, lies in the manner of curing: OTTOSEAL® S 17 is a neutrally curing sealant based on oxime; OTTOSEAL® S 25 is an acetate curing sealant.

The very fast curing and high adhesive power of OTTOSEAL® S 25 complement its extraordinarily high longterm temperature resistance of up to +300 °C.

Please note that the silicone can be processed at temperatures between +5 °C and +40 °C. The thicker the coating, the longer the silicone takes to vulcanize. For applications with coatings thicker than 15mm please contact our technical department.



OTTOSEAL® S54 **SPECIAL**

The fire protection silicone B1



1-component silicone sealant based on amino-oxime MEKO-free
For indoor and outdoor application

Characteristics

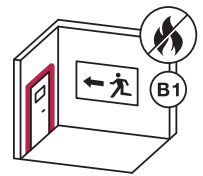
- ▶ **Flame retardant – building material class B1 according to DIN 4102 and DIN EN ISO 4589**
For special fire protection requirements
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Connection joints for mastic asphalt
- ▶ Bonding of EPDM/rubber profiles
- ▶ Sealing of fire protection elements
- ▶ Sealing of joints on difficult adhesive substrates, e. g. asphalt, tar etc. Please contact our technical service department for details.

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 4: PW EXT-INT CC 25 LM
- ▶ Tested according to DIN 4102-B1 – hardly inflammable between solid mineral building materials (wood research at the Munich Technical University)
- ▶ Tested according to DIN EN ISO 4589-2:1999 Plastics – Definition of the fire-behaviour due to the oxygen index (Bodycote Warringtonfire)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Suitable for applications according to IVD instruction sheet no. 1+11+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+



Packaging	310 ml cartridge
● black	S54-04-C04
● grey	S54-04-C02
○ white	S54-04-C01
Packaging unit	20
Pieces per pallet	1200

S94

OTTOSEAL® S94 SPECIAL

The neutral fire protection silicone B1



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

- ▶ **Flame retardant – building material class B1 according to DIN 4102**
For special fire protection requirements
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Good compatibility with paints according to DIN 52452 (not paintable)**
No interaction with existing and adjacent coatings
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Sealing of structural components, that require an increased fire performance requirements (e.g. fire-resistant building components and fire-resistant glazing)
- ▶ Suitable for sealing glazing units

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 2: G CC 25 LM
- ▶ Tested according to EN 15651 – Part 4: PW INT 12.5 E
- ▶ Tested according to DIN 4102-B1 – hardly inflammable between solid mineral building materials (wood research at the Munich Technical University)
- ▶ Tested according to DIN 25415, part 1 – very good decontamination properties of the sealant surface (German Materials Research and Testing Agency, 12200 Berlin, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 9+11+20+24+27+29+31+35 (IVD = German industry association sealants)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ French VOC-emission class A+

Packaging	310 ml cartridge
● black	S94-04-C04
● grey	S94-04-C02
○ transparent	S94-04-C00
○ white	S94-04-C01
Packaging unit	20
Pieces per pallet	1200

Additional useful information

Building material classes identify the fire performance of the individual building material and is not identical to the fire resistance classes, which identify the fire resistance of the complete component.

In addition to the building material classes according to DIN 4102, there exist also european classes according to DIN EN 13501. Currently, tests and evaluations of sealants have to be carried out according to DIN 4102. Please find the classes opposed in the following table (Source: IVD-instruction sheet no. 11).

Designation	Additional requirement: no smoke	Additional requirement: no burning drop-out/dripping	European class according to DIN EN 13501-1	Classification according to DIN 4102-1
Non-Combustible	X	X	A1	A1
	X	X	A2-s1 d0	A2
Flameresistant	X	X	B,C-s1 d0	B1
		X	B,C-s3 d0	
	X		B,C-s1 d2	
			B,C-s3 d2	
Normally flammable		X	D-s3 d0	B2
			E	
			D-s3 d2	
Highly flammable			E-d2	B3
			F	

The classes s1, s2 and s3 are additional requirements according to DIN EN 13501 – formation of smoke. The classes d0, d1 and d2 are additional requirements according to DIN EN 13501 – burning drop-out/dripping. The tests are carried out according to DIN EN 13823.



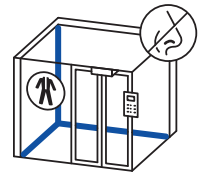
Special sealants



M380

OTTOSEAL® M380 SPECIAL

The hybrid for clean rooms and ventilation systems



1-component hybrid polymer STP sealant
For indoor and outdoor application

Characteristics

- ▶ **Silicone-free**
- ▶ **Low odour**
Convenient processing
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optically flawless joint adaptation
- ▶ **Contains fungicides**
Resistance to mould infestation and bacteria
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Good weathering and ageing resistance**
For long-lasting indoor and outdoor applications

Packaging	310 ml cartridge	580 ml aluminium foil bag
● grey metallic	M380-04-C998	M380-08-C998
● RAL 7004	M380-04-C7004	M380-08-C7004
● RAL 9002	M380-04-C9002	M380-08-C9002
● RAL 9010	M380-04-C9010	M380-08-C9010
Packaging unit	20	20
Pieces per pallet	1200	600

Fields of application

- ▶ Sealing of joints in refrigerated warehouses
- ▶ Elastic joints in cleanrooms and production areas with strict requirements to hygiene, e. g. electronic sector – chip production
- ▶ Production rooms for medicines and other medical products
- ▶ Sealing of ventilation systems
- ▶ Sealing kitchen exhaust ducts
- ▶ Hospitals, food processing factories



Standards and tests

- ▶ Tested for applications in the cleanroom area and in accordance with DIN EN ISO 846 by ISEGA Forschungs- und Untersuchungsgesellschaft mbH Aschaffenburg
- ▶ Suitable for use in ventilation systems according to VDI 6022, sheet 1
- ▶ Suitable for applications according to IVD instruction sheet no. 31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ EMICODE® EC 1^{PLUS} – very low emission

OTTOSEAL® S27 **SPECIAL**

The silicone for food and drinking water



1-component silicone sealant based on acetate
For indoor and outdoor application

Characteristics

- ▶ **Tested for applications in the food and drinking water sector**
Approved for special applications
- ▶ **Good chemical resistance, e. g. to diluted acids and bases**
No damage by aggressive cleaning and disinfection
- ▶ **High resistance to notches, tension and tearing**
Resistant to high mechanical stresses
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Sealing in the food sector, e. g. in dairies, abattoirs, beverage and food production plants, canteen kitchens etc.
- ▶ Sealing in the drinking water area between ceramic coatings

Standards and tests

- ▶ Declaration of no objection – tested for short-term contact with food (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Positively tested for compatibility when in contact with food (by the Chemical Laboratory Dr. Stegemann, Georgsmarienhütte, Germany)
- ▶ Tested and licensed according to the KTW guidelines of the Federal German Environment Agency for the cold water area (elastic jointing between ceramic tiles)
- ▶ Tested and licensed according to the DVGW worksheet W 270 (elastic jointing between ceramic tiles)
- ▶ Suitable for applications according to IVD instruction sheet no. 21+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet

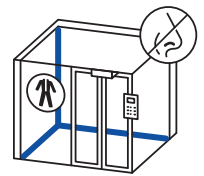
Packaging	310 ml cartridge
● grey	S27-04-C02
● RAL 7004	S27-04-C7004
○ transparent	S27-04-C00
○ white	S27-04-C01
Packaging unit	20
Pieces per pallet	1200



S67

OTTOSEAL® S67 SPECIAL

The low-odour silicone for clean rooms and ventilation systems



1-component silicone sealant based on alkoxy, neutral cross-linking
For indoor and outdoor application

Characteristics

- ▶ **Excellent metal adherence**
No pre-treatment on many metals
- ▶ **Low odour**
Convenient processing
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Good chemical resistance (e. g. to cleaning agents and disinfectants)**
Suitable for use in areas subject to heavy chemical exposure
- ▶ **Contains fungicides**
Resistance to mould infestation and bacteria
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Elastic joints in cleanrooms and other medical rooms with strict requirements to hygiene and frequent use of cleaning agents and disinfectants, e. g. operating theatres, medical examination rooms, medical laboratories
- ▶ Elastic joints in cleanrooms and production areas with strict requirements to hygiene, e. g. electronic sector – chip production
- ▶ Production rooms for medicines and other medical products
- ▶ Sealing of ventilation systems
- ▶ Hospitals, food processing factories
- ▶ Sealing of joints in refrigerated warehouses

Standards and tests

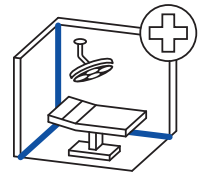
- ▶ Tested for applications in the cleanroom area and in accordance with DIN EN ISO 846 by ISEGA Forschungs- und Untersuchungsgesellschaft mbH Aschaffenburg
- ▶ Suitable for use in ventilation systems according to VDI 6022, sheet 1
- ▶ Suitable for applications according to IVD instruction sheet no. 31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ EMICODE® EC 1 PLUS – very low emission

Packaging	310 ml cartridge	580 ml aluminium foil bag
● grey	S67-04-C02	S67-08-C02
● manhattan	S67-04-C43	S67-08-C43
● RAL 7035	S67-04-C7035	S67-08-C7035
● RAL 9002	S67-04-C9002	S67-08-C9002
● RAL 9010	S67-04-C9010	S67-08-C9010
● RAL 9016	S67-04-C9016	S67-08-C9016
● stainless steel	S67-04-C197	S67-08-C197
● transparent	S67-04-C00	S67-08-C00
Packaging unit	20	20
Pieces per pallet	1200	600



OTTOSEAL® S69 SPECIAL

The silicone for clean rooms and ventilation systems



1-component silicone sealant based on acetate
For indoor and outdoor application

Characteristics

- ▶ **Good chemical resistance (e. g. to cleaning agents and disinfectants)**
No damage by aggressive cleaning and disinfection
- ▶ **High resistance to notches, tension and tearing**
Resistant to high mechanical stresses
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Hospitals, food processing factories
- ▶ Elastic joints in cleanrooms and other medical rooms with strict requirements to hygiene and frequent use of cleaning agents and disinfectants, e. g. operating theatres, medical examination rooms, medical laboratories
- ▶ Sealing of ventilation systems made of non-corrosive materials

Standards and tests

- ▶ Tested for applications in the cleanroom sector by the Institute for Hygiene Gelsenkirchen, Germany
- ▶ Tested for compatibility when in contact with food (by the Chemical Laboratory Dr. Stegemann, Georgsmarienhütte, Germany)
- ▶ Suitable for use in ventilation systems according to VDI 6022 (Ass. Of Germ. Engineers), sheet 1 tested according to DIN EN ISO 846 (by the Institute for Hygiene Berlin, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 21+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml cartridge	580 ml aluminium foil bag
● RAL 9002	S69-04-C9002	S69-08-C9002
● RAL 9010	S69-04-C9010	S69-08-C9010
● stainless steel	S69-04-C197	S69-08-C197
○ transparent	S69-04-C00	on request
Packaging unit	20	20
Pieces per pallet	1200	600



Additional useful information

Test of resistance of OTTOSEAL® S69 to cleaning agents and disinfectants:	
Pursept-FD 3 % solution (Merz)	resistant
Bacillocid rasant 3 % solution (Bode)	resistant
Biguanid Fläche/surface 3 % solution (Dr. Schumacher)	resistant
Baccalin 3 % solution (Bode)	resistant
Terralin 3 % solution (S+M)	resistant
Incidin perfekt 3 % solution (Ecolab)	resistant
Kohrsolin 3 % solution (Bode)	resistant
Perform 3 % solution (S+M)	resistant
Dismozon pur 3 % solution (Bode)	resistant

The test have been carried out at room temperature.

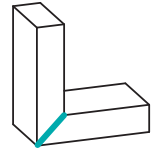


Glass, window and façade sealants



OTTOSEAL® A 225

The acrylate-based sealant for mitres



1-component sealant based on acrylate
For indoor and outdoor application

Characteristics

- ▶ **Low odour**
Convenient processing
- ▶ **Can easily be removed if fresh and uncured by using water**
User-friendly
- ▶ **After drying translucent (slightly cloudy)**
Suitable for all window colours
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and protective coating possible
- ▶ **Frost-resistant -10 °C/up to 48 hours**
Can be stored and transported in temperatures as low as -10 °C for up to 48 hours

Fields of application

- ▶ Sealing of frame joins and mitre cuts in metal construction and wooden windows

Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 12+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+

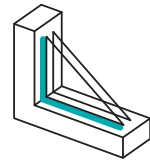
Packaging	310 ml cartridge
<input type="radio"/> translucent	A225-04-C95
Packaging unit	20
Pieces per pallet	1200



M 350

OTTOSEAL® M 350 **SPECIAL**

The hybrid sealant for glazing



1-component hybrid polymer STP sealant
For indoor and outdoor application

Characteristics



- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Silicone-free**
- ▶ **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and protective coating possible
- ▶ **Good weathering and ageing resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Window pane sealing on wooden windows
- ▶ Sealing of joints on windows and doors made of wood, metal and plastic
- ▶ Sealing of pipe and antenna ducts
- ▶ Sealing double-glazings (e. g. "Profilit")
- ▶ Sealing of joints on façades, metal constructions
- ▶ Sealing of air condition and ventilation systems
- ▶ Suitable for glazing systems with putty fronting Va1 in accordance with DIN 18545/ÖNORM 3724

Standards and tests

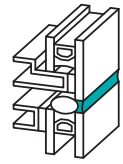
- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25
- ▶ Tested according to EN 15651 – Part 2: G CC 25 HM
- ▶ According to the requirements of DIN 18545, stress group A and D
- ▶ According to the requirements of ISO 11600 G 25 HM
- ▶ Suitable for use in ventilation systems according to VDI 6022 (Ass. Of Germ. Engineers), sheet 1 tested according to DIN EN ISO 846 (by the Institute for Hygiene Berlin, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 9+12+20+24+27+29+31+32+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	300 ml cartridge
 concrete grey	M350-03-C56
 white	M350-03-C01
Packaging unit	12
Pieces per pallet	1152



OTTOSEAL® S7 **SPECIAL**

The weather sealing silicone



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

- ▶ **Compatible with insulating glass edge bond sealing based on silicone**
Problem-free application with insulating glasses
- ▶ **Compatible with PVB sheets according to ift-guideline DI-02/1**
Suitable for processing VSG
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Very good adhesion on many substrates even without primer**
Often primerless processing possible, see primer table in technical data sheet
- ▶ **User-friendly matt surface**
Creates an invisible joint pattern
- ▶ **Long skin-formation**
Long processing time
- ▶ **High resistance to notches, tension and tearing**
Resistant to high mechanical stresses
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

**Fields of application**

- ▶ Specially developed for the weather sealing of structural glazing, angled glazing, timber-glass-composite elements, roof glazing and conservatories
- ▶ Suitable for sealing glazing units
- ▶ Suitable for joints on insulating glass units

Standards and tests

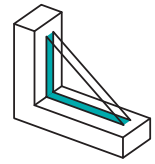
- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 2: G CC 25 LM
- ▶ According to the requirements of DIN 18540-F
- ▶ According to the requirements of ISO 11600 F 25 LM
- ▶ Suitable for applications according to IVD instruction sheet no. 22+31+35 (IVD = German industry association sealants)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ French VOC-emission class A+
- ▶ Tested fire behaviour in accordance with EN 13501: class E

Packaging	310 ml cartridge	580 ml aluminium foil bag
● black	S7-04-C04	S7-08-C04
Packaging unit	20	20
Pieces per pallet	1200	600

S9

OTTOSEAL® S9 **SPECIAL**

The 1-component silicone sealant for insulating glass edges



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

- ▶ **Compatible with PVB sheets according to ift-guideline DI-02/1**
Suitable for processing VSG
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Very good adhesion on many substrates even without primer**
Often primerless processing possible, see primer table in technical data sheet
- ▶ **High resistance to notches, tension and tearing**
Resistant to high mechanical stresses
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Packaging	310 ml cartridge	580 ml aluminium foil bag	20 l hobcock
● black	S9-04-C04	S9-08-C04	on request
Packaging unit	20	20	1
Pieces per pallet	1200	600	16



Fields of application

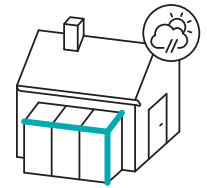
- ▶ Secondary edge sealing for manufacturing UV-resistant insulating glass units in connection with butyl rubber as primary sealing

Standards and tests

- ▶ Tested according to EN 1279, part 2 with gas-filled multi-panel insulating glass with spacers made of aluminium and tested according to EN 1279, part 4, paragraphs 5.1 and 5.2 by the MPA Darmstadt, Germany
- ▶ Suitable for applications according to IVD instruction sheet no. 35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+

OTTOSEAL® S 10 **SPECIAL**

The silicone sealant for glass constructions



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

- ▶ **Compatible with PVB sheets according to ift-guideline DI-02/1**
Suitable for processing VSG
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Very good adhesion on many substrates even without primer**
Often primerless processing possible, see primer table in technical data sheet
- ▶ **High resistance to notches, tension and tearing**
Resistant to high mechanical stresses
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Sealing of expansion joints in building construction
- ▶ Also suitable for weather sealing of structural glazing, angled glazing, timber-glass-composite elements, roof glazing and conservatories
- ▶ Suitable for sealing glazing units
- ▶ Installation of X-ray protective glass
- ▶ Elastic sealing in the electric industry, mechanical engineering, automotive and shipbuilding
- ▶ Not suitable for the structural bonding of structural glazing units

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 2: G CC 25 LM
- ▶ Tested and recommended by Schott Desag AG Deutsches Spezialglas, D-31073 Grünenplan, for the installation of RD 50 and RD 30 X-ray protective glass
- ▶ UL 94 Flame Classification HB, RTI 105°C, File No. E 176319
- ▶ Suitable for applications according to IVD instruction sheet no. 22+30+31+35 (IVD = German industry association sealants)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ French VOC-emission class A+
- ▶ Tested fire behaviour in accordance with EN 13501: class E

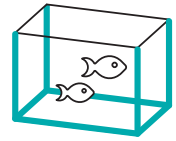
Packaging	310 ml cartridge
● black	S10-04-C04
● grey	S10-04-C02
○ transparent	S10-04-C00
○ white	S10-04-C01
Packaging unit	20
Pieces per pallet	1200



S28

OTTOSEAL® S28 **SPECIAL**

The aquarium and glass block silicone



1-component silicone sealant based on acetate
For indoor and outdoor application

Characteristics

- ▶ **Suitable for freshwater and saltwater aquariums**
- ▶ **Complies with OECD 203**
Offers the highest possible safety standard for highly sensitive life forms
- ▶ **High adhesive power**
Suitable also as special adhesive
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Fields of application

- ▶ Manufacture of all-glass aquariums and terrariums
- ▶ Bonding of glass blocks

Packaging	310 ml cartridge	400 ml aluminium foil bag	20l hobbock	200l drum
● black	S28-04-C04	S28-07-C04	on request	on request
○ transparent	S28-04-C00	S28-07-C00	on request	on request
Packaging unit	20	20	1	1
Pieces per pallet	1200	900	16	2

Standards and tests

- ▶ According to DIN 32622, pt. 4.4.2.2 (Glass Aquaria)
- ▶ Non-toxic for fish according to OECD 203 (Acute Toxicity Test – tested by the Institute Fresenius, 65232 Taunusstein, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet

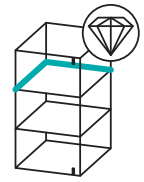




S50

OTTOSEAL® S50

The crystal-clear silicone



1-component silicone sealant based on acetate
For indoor and outdoor application

Characteristics

- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications
- ▶ **Cures to a crystal-clear silicone**
For unobtrusive applications

Fields of application

- ▶ Applications on glass, plastics, aluminium, e. g. for glass ornaments, the bonding of lattices
- ▶ Glass construction, vitrines and shop windows
- ▶ Small area bonding

Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 30+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml cartridge
○ crystal clear	S50-04-C30
Packaging unit	20
Pieces per pallet	1200



OTTOSEAL® S72

The plastic silicone



1-component silicone sealant and adhesive based on alkoxy, neutral cross-linking
For indoor and outdoor application

Characteristics

- ▶ **Suitable for plastics, e. g. acrylic glass and polycarbonate**
Adheres without primer to many plastics (except PE, PP and PTFE and similar plastics with low surface tension), adheres very well to double-skin sheets and does not cause stress cracks
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Low odour**
Convenient processing
- ▶ **High resistance to notches, tension and tearing**
Resistant to high mechanical stresses
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

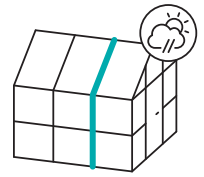


Fields of application

- ▶ Applications on glass, plastics and aluminium
- ▶ Glass construction, vitrines and shop windows
- ▶ Small area bonding
- ▶ Suitable for acrylic glass and polycarbonate, for example

Standards and tests

- ▶ Positively tested for compatibility when in contact with food (by the Chemical Laboratory Dr. Stegemann, Georgsmarienhütte, Germany)
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 21+31+35 (IVD = German industry association sealants)
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ French VOC-emission class A+



Packaging	310 ml cartridge
● RAL 7004	S72-04-C7004
○ RAL 9010	S72-04-C9010
○ transparent	S72-04-C00
Packaging unit	20
Pieces per pallet	1200

S 110

OTTOSEAL® S 110

★★★★★
PREMIUM

The premium construction silicone



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

- ▶ **Highly abrasion-resistant and streak-free according to ift-guideline VE-04/2**
Cleaning without streaks
- ▶ **Contains fungicides**
Resistance to mould infestation
- ▶ **Compatible with PVB sheets according to ift-guideline DI-02/1**
Suitable for processing VSG
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Very good adhesion on many substrates even without primer**
Often primerless processing possible, see primer table in technical data sheet
- ▶ **Excellent early resistance to stress**
Safety in the production process
- ▶ **Good compatibility with paints according to DIN 52452 (not paintable)**
No interaction with existing and adjacent coatings
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications


































Fields of application

- ▶ Expansion joints on prefabricated concrete and cellular concrete units
- ▶ Sealing of joints on façades, metal constructions
- ▶ Sealing of joints on windows and doors made of wood, metal and plastic
- ▶ Sealing double-glazings (e. g. "Profilit")
- ▶ Window pane sealing on wooden windows
- ▶ Suitable for sealing glazing units
- ▶ Expansion joints in bathroom areas







Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 2: G CC 25 LM
- ▶ Tested according to EN 15651 – Part 3: XS 1
- ▶ Tested according to EN 15651 – Part 4: PW INT 12.5 E
- ▶ Tested according to ift-guideline VE-04/2
- ▶ According to the requirements of DIN 18540-F
- ▶ According to the requirements of ISO 11600 G 25 LM
- ▶ Tested according to FCBA (CTBA) L 114 (suitability of sealants for window pane sealing on wooden windows)
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 3-1+3-2+7+9+10+13+14+19-1+20+22+24+25+27+29+31+32+35 (IVD = German industry association sealants)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Tested fire behaviour in accordance with EN 13501: class E

Paints filled (matte)

Packaging	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag	20 l hobcock
 anthracite	S110-04-C155	S110-07-C155	S110-08-C155	on request
 beech	S110-04-C76	on request	on request	on request
 black	S110-04-C04	S110-07-C04	S110-08-C04	S110-23-C04
 bronze	S110-04-C13	on request	on request	on request
 chestnut	S110-04-C742	on request	S110-08-C742	on request
 chocolate brown	S110-04-C39	on request	S110-08-C39	on request
 concrete grey	S110-04-C56	S110-07-C56	S110-08-C56	on request
 dark brown	S110-04-C49	on request	on request	on request
 dark grey	S110-04-C03	on request	S110-08-C03	on request
 dark oak	S110-04-C83	on request	S110-08-C83	on request
 fair brown	S110-04-C06	on request	S110-08-C06	on request
 fair grey	S110-04-C20	S110-07-C20	S110-08-C20	on request
 fair oak	S110-04-C64	on request	on request	on request
 jasmin	S110-04-C1216	on request	on request	on request
 linsey grey	S110-04-C433	on request	S110-08-C433	on request
 manhattan	S110-04-C43	S110-07-C43	S110-08-C43	on request
 matt brown	S110-04-C1416	on request	S110-08-C1416	on request
 oak	S110-04-C57	on request	S110-08-C57	on request
 ochre	S110-04-C31	on request	S110-08-C31	on request
 pergamon	S110-04-C84	on request	on request	on request
 pine	S110-04-C88	on request	on request	on request
 RAL 6009	S110-04-C6009	on request	on request	on request
 RAL 7016	S110-04-C7016	S110-07-C7016	on request	on request
 RAL 9001	S110-04-C9001	S110-07-C9001	on request	on request
 RAL 9016	S110-04-C9016	on request	on request	on request
 sand-beige	S110-04-C12	on request	on request	on request
 sanitary grey	S110-04-C18	S110-07-C18	S110-08-C18	on request
 silk grey	S110-04-C77	S110-07-C77	S110-08-C77	on request
 silver-grey	S110-04-C94	S110-07-C94	on request	on request
 snow-white	S110-04-C116	S110-07-C116	on request	on request
 white	S110-04-C01	S110-07-C01	S110-08-C01	S110-23-C01
Packaging unit	20	20	20	1
Pieces per pallet	1200	900	600	16

Paints unfilled (gloss)

Packaging	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag	20 l hobcock
 brown	S110-04-C05	S110-07-C05	S110-08-C05	on request
 mahogany	S110-04-C29	on request	S110-08-C29	on request
 RAL 6005	S110-04-C6005	on request	on request	on request
 transparent	S110-04-C00	S110-07-C00	S110-08-C00	S110-23-C00
 transparent-grey	S110-04-C284	on request	on request	on request
 trijs	S110-04-C7686	S110-07-C7686	on request	on request
Packaging unit	20	20	20	1
Pieces per pallet	1200	900	600	16



Additional useful information

The sealing of glass in wooden windows is subject to some important factors which are responsible for optimal sealing:

The excellent early resistance to stress is important to avoid cracks in the sealant. These can arise if, for example, the seal is formed in direct sunlight and at an increased temperature and thereafter the temperature drops drastically, forcing the sealant to follow the movements of the substrate, although it is not yet completely cured.

OTTOSEAL® S 110 and OTTOSEAL® S 120 develop a firm surface skin very quickly and can therefore follow the movements of the building after a very short time. Furthermore, it is extremely important that the sealant is compatible with the other building materials used for the wooden windows with which it comes into close contact with (e.g. lacquer paints/varnishes). These must not damage or modify the sealant (e.g. discolouring). Overpainting the sealant is not possible and, according to the relevant standards and guidelines, not even permitted for elastic jointing.

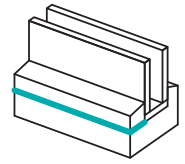
The abrasion resistance is tested according to ift directive VE-04/2. OTTOSEAL® S 110 and OTTOSEAL® S 120 meet the requirements. After smoothing the sealant, residual smoothing agent must be removed immediately; otherwise streaks can remain.

Prior to cleaning it for the first time the sealant must cure for at least three days to prevent the seal from being damaged. The surface of the sealant should be cleaned with a moist soft cloth using normal, commercial window cleaning agents.

S 112

OTTOSEAL® S 112 **SPECIAL**

The silicone sealant for window bars



1-component silicone sealant compound based on alkoxy, neutral cross-linking
For indoor application

Characteristics

- ▶ **Compatible with PVB sheets according to ift-guideline DI-02/1**
Suitable for processing VSG
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Low odour**
Convenient processing
- ▶ **Low adhesion**
Easy removability e. g. of the glass retaining strip
- ▶ **Good compatibility with paints according to DIN 52452 (not paintable)**
No interaction with existing and adjacent coatings

Packaging	310 ml cartridge	580 ml aluminium foil bag
○ transparent	S112-04-C00	S112-08-C00
Packaging unit	20	20
Pieces per pallet	1200	600

Fields of application

- ▶ For sealing and back filling of frames and window bars on windows and doors – improves the leak tightness. The filling material has less adhesion in comparison to standard glazing sealants, so its easier to remove the window bars for repair works.
- ▶ Avoids accumulation of condensation through incoming warm air and thus protects against humidity affecting the edge sealing, which could lead to damages to the wooden window frame
- ▶ For sealing on the window frame below the glass edge (position 4). Please avoid full surface contact with the isolation glass edge sealing in the rebate bond. Maximum 3mm overlap is permissible.
- ▶ For compatibility to IG-edge sealing materials please see our recent compatibility list. The up-to-date list can be downloaded from our website www.otto-chemie.com.

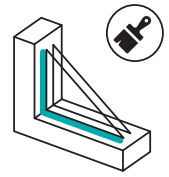
Standards and tests

- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet



OTTOSEAL® S 113 **SPECIAL**

The paintable silicone sealant for glazing



1-component silicone sealant based on oxime, neutral cross-linking, MEKO-free
For indoor and outdoor application

Characteristics

- ▶ **Contains fungicides**
Resistance to mould infestation
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Compatible with coatings according to DIN 52452**
No interaction with existing and adjacent coatings
- ▶ **Paintable with many coating systems (preliminary tests necessary)**
Optical adaptation and protective coating possible
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications

Packaging	310 ml cartridge
RAL 9010	S113-04-C9010
Packaging unit	20
Pieces per pallet	1200

**Fields of application**

- ▶ Window pane sealing on wooden windows
- ▶ Sealing of joints on windows and doors made of wood, metal and plastic
- ▶ Expansion joints on prefabricated concrete and cellular concrete units
- ▶ Sealing of joints on façades, metal constructions

Standards and tests

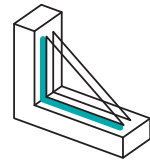
- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 2: G CC 25 LM
- ▶ Complies with the requirements of DIN 18545, stress group E
- ▶ According to the requirements of DIN 18540-F
- ▶ French VOC-emission class A+
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Classification according to building certification systems, see the sustainability data sheet

S 120

OTTOSEAL® S 120

★★★★★
PREMIUM

The premium glazing silicone



1-component silicone sealant based on alkoxy, neutral cross-linking
For indoor and outdoor application

Characteristics

- ▶ **Highly abrasion-resistant and streak-free according to ift-guideline VE-04/2**
Cleaning without streaks
- ▶ **Also available in matt-finished colours**
Harmonises with matt and glossy surfaces
- ▶ **Contains fungicides**
Resistance to mould infestation
- ▶ **Compatible with PVB sheets according to ift-guideline DI-02/1**
Suitable for processing VSG
- ▶ **Non-corrosive**
No (oxidation) corrosion on unprotected metal surfaces
- ▶ **Very good adhesion on many substrates even without primer**
Often primerless processing possible, see primer table in technical data sheet
- ▶ **Low odour**
Convenient processing
- ▶ **Excellent early resistance to stress**
Safety in the production process
- ▶ **Good compatibility with paints according to DIN 52452 (not paintable)**
No interaction with existing and adjacent coatings
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications



Fields of application

- ▶ Window pane sealing on wooden windows
- ▶ Glass, window and metal construction
- ▶ Sealing double-glazings (e.g. "Profilit")
- ▶ Sealing of joints on windows and doors made of wood, metal and plastic
- ▶ Expansion joints on prefabricated concrete and cellular concrete units
- ▶ Sealing of joints on façades, metal constructions
- ▶ Suitable for sealing glazing units
- ▶ For the external sealing of mirrors in connection with materials such as ceramic, metal, glass etc.

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 2: G CC 25 LM
- ▶ Tested according to ift-guideline VE-04/2
- ▶ According to the requirements of DIN 18540-F
- ▶ According to the requirements of ISO 11600 G 25 LM
- ▶ Suitable for applications according to IVD instruction sheet no. 7+9+10+13+14+19-1+20+22+24+25+27+29+31+32+35 (IVD = German industry association sealants)
- ▶ Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- ▶ According to regulation (EG) no. 1907/2006 (REACH)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Tested according to the BEMMA scheme for museum and show case equipment
- ▶ KOMO certificate no. 33410 (The regulations as per NPR 3577 are to be observed)

Paints filled (matte)

Packaging	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag
● matt anthracite	S120-04-C7103	S120-07-C7103	S120-08-C7103
● matt beech	S120-04-C7111	on request	on request
● matt black	S120-04-C7112	on request	S120-08-C7112
● matt brown	S120-04-C1416	on request	S120-08-C1416
● matt chestnut	on request	on request	S120-08-C7114
● matt concrete grey	S120-04-C7102	on request	on request
● matt dark brown	S120-04-C7107	on request	on request
● matt dark grey	S120-04-C7113	on request	on request
● matt dark oak	S120-04-C7104	on request	on request
● matt fair brown	S120-04-C7094	on request	on request
● matt fair grey	S120-04-C7101	on request	on request
● matt manhattan	S120-04-C6874	on request	on request
● matt ochre	S120-04-C7100	on request	on request
● matt pergamum	S120-04-C7098	on request	on request
● matt sanitary grey	S120-04-C6834	on request	on request
● matt silk grey	S120-04-C7110	on request	S120-08-C7110
● matt silver-grey	S120-04-C6645	on request	S120-08-C6645
● matt snow-white	S120-04-C6832	on request	on request
● matt white	S120-04-C6919	on request	S120-08-C6919
Packaging unit	20	20	20
Pieces per pallet	1200	900	600

Paints unfilled (gloss)

Packaging	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag	20 l hobbock
● anthracite	S120-04-C155	on request	S120-08-C155	on request
● beech	S120-04-C76	on request	on request	on request
● black	S120-04-C04	S120-07-C04	S120-08-C04	S120-23-C04
● brown	S120-04-C05	on request	S120-08-C05	on request
● chestnut	S120-04-C742	on request	S120-08-C742	on request
● chocolate brown	S120-04-C39	on request	S120-08-C39	on request
● concrete grey	S120-04-C56	on request	on request	on request
● dark brown	S120-04-C49	on request	on request	on request
● dark grey	S120-04-C03	on request	S120-08-C03	on request
● dark oak	S120-04-C83	on request	on request	on request
● fair brown	S120-04-C06	on request	on request	on request
● fair grey	S120-04-C904	on request	on request	on request
● fair oak	S120-04-C64	on request	on request	on request
● manhattan	S120-04-C43	on request	S120-08-C43	on request
● sanitary grey	S120-04-C18	on request	S120-08-C18	on request
● silk grey	S120-04-C77	on request	S120-08-C77	on request
● silver-grey	S120-04-C94	on request	S120-08-C94	on request
○ snow-white	S120-04-C116	on request	S120-08-C116	on request
○ transparent	S120-04-C00	S120-07-C00	S120-08-C00	S120-23-C00
● transparent-black	S120-04-C8571	on request	on request	on request
● transparent-grey	S120-04-C284	S120-07-C284	on request	on request
○ white	S120-04-C01	S120-07-C01	S120-08-C01	on request
Packaging unit	20	20	20	1
Pieces per pallet	1200	900	600	16



Hybrid adhesives



OTTOCOLL® M500

★★★★★
PREMIUM



The extremely water-resistant premium hybrid adhesive



1-component hybrid polymer STP adhesive
For indoor and outdoor application

Characteristics

- ▶ **Extremely water-resistant**
For bonds with high water exposure
- ▶ **Very good adhesion on many materials**
No pre-treatment required
- ▶ **Compatible with natural stone**
Does not cause greasy deposits on natural stones
- ▶ **Also bonding to damp surfaces**
No lost working time due to drying of the substrates
- ▶ **Elastic**
Compensates movements
- ▶ **Silicone-free**
- ▶ **Free of isocyanates**
Harmless to health

Packaging	310 ml cartridge
 black	M500-04-C04
 grey	M500-04-C02
 white	M500-04-C01
Packaging unit	20
Pieces per pallet	1200

Fields of application

- ▶ Bonding of stone, natural stone and ceramic
- ▶ Bonding of lacquered and enamelled glass
- ▶ Bonding of OTTOFLEX® Sealing strip in the overlapping area and accessories such as sealing tape, corner tapes and sealing sleeves (according to the requirements of ETAG 022)
- ▶ Bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete, etc.
- ▶ Bonding of window sills, floor strips, decorative strips and stairs
- ▶ Bonding in body and vehicle construction, carriage and container construction, metal and device construction, shipbuilding
- ▶ Bonding in food-related areas
- ▶ Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates

Standards and tests

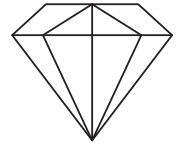
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 12+19-1+21+24+30+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet



M501

OTTOCOLL® M501 **SPECIAL**


The crystal-clear hybrid adhesive



1-component hybrid polymer STP adhesive
For indoor and outdoor application

Characteristics

- ▶ **Crystal clear**
For inconspicuous bondings
- ▶ **Very good adhesion on many materials**
No pre-treatment required
- ▶ **Compatible with natural stone**
Does not cause greasy deposits on natural stones
- ▶ **Also bonding to damp surfaces**
No lost working time due to drying of the substrates
- ▶ **Elastic**
Compensates movements
- ▶ **Silicone-free**
- ▶ **Free of isocyanates**
Harmless to health

Packaging	310 ml cartridge
 transparent	M501-04-C00
Packaging unit	20
Pieces per pallet	1200

Fields of application

- ▶ Bonding of stone, natural stone and ceramic
- ▶ Bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete, etc.
- ▶ Bonding of window sills, floor strips, decorative strips and stairs
- ▶ Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates



Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Declaration in "baubook" Austria

OTTOCOLL® M530 HiSpeed**SPECIAL**

The hybrid adhesive with very fast bonding



1-component hybrid polymer STP adhesive
For indoor and outdoor application

Characteristics

- ▶ **Handling strength after 20 minutes and functional strength after 3 hours**
Fast further work possible with thin adhesive layer and diffusion-open materials
- ▶ **High final strength**
Resistant to high mechanical stresses
- ▶ **Also bonding to damp surfaces**
No lost working time due to drying of the substrates
- ▶ **Elastic**
Compensates movements in higher adhesive layers
- ▶ **Free of isocyanates**
Harmless to health
- ▶ **Silicone-free**
- ▶ **Compatible with natural stone**
Does not cause greasy deposits on natural stones

Fields of application

- ▶ Bonding of stone, natural stone and ceramic
- ▶ Bonding of window sills, floor strips, decorative strips and stairs
- ▶ For elastic bonding and mounting of various materials such as wood, wood-based materials, plastics, metals and mineral substrates

Standards and tests

- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ Declaration in "baubook" Austria
- ▶ EMICODE® EC 1^{PLUS} – very low emission

Packaging	310 ml cartridge
white	M530-04-C01
Packaging unit	20
Pieces per pallet	1200



M 550

OTTOCOLL® M 550 HiTack SPECIAL

The hybrid adhesive with extremely high initial adhesion



1-component hybrid polymer STP adhesive
For indoor and outdoor application

Characteristics

- ▶ **Extremely high initial adhesion**
No fixation required
- ▶ **Compatible with natural stone**
Does not cause greasy deposits on natural stones
- ▶ **Also bonding to damp surfaces**
No lost working time due to drying of the substrates
- ▶ **Elastic**
Compensates movements
- ▶ **Silicone-free**
- ▶ **Free of isocyanates**

Fields of application

- ▶ Bonding of stone, natural stone and ceramic
- ▶ Bonding of window sills, floor strips, decorative strips and stairs
- ▶ For elastic bonding and mounting of various materials such as wood, derived wood products, metals (e.g. aluminium, stainless steel, anodising aluminium, brass, copper), plastics (e.g. unplasticised PVC, plasticised PVC, fibre-reinforced plastics etc.), mineral substrates (e.g. brick, tile, ceramic), fireproof building panels (gypsum board etc.)
- ▶ Elastic bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete etc.

Packaging	310 ml cartridge
black	M550-04-C04
grey	M550-04-C02
white	M550-04-C01
Packaging unit	20
Pieces per pallet	1200



Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Declaration in "baubook" Austria
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet



M 560

OTTOCOLL® M 560

★★★★★
PREMIUM

The universal premium hybrid adhesive with very high initial adhesion



1-component hybrid polymer STP adhesive
For indoor and outdoor application

Characteristics

- ▶ **Very high initial adherence**
No fixation required
- ▶ **Very good adhesion on many materials**
No pre-treatment required
- ▶ **Compatible with natural stone**
Does not cause greasy deposits on natural stones
- ▶ **Also bonding to damp surfaces**
No lost working time due to drying of the substrates
- ▶ **Fast thorough hardening**
Stress can be applied to the bond quickly
- ▶ **Elastic**
Compensates movements
- ▶ **Silicone-free**
- ▶ **Free of isocyanates**
Harmless to health



Fields of application

- ▶ Bonding of stone, natural stone and ceramic
- ▶ Bonding of lacquered and enameled glass
- ▶ Bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete, etc.
- ▶ Bonding of drywall stud frames for screwless assembly of metal rails/UW profiles
- ▶ Bonding of window sills, floor strips, decorative strips and stairs
- ▶ Bonding of rigid foam boards
- ▶ Bonding in body and vehicle construction, carriage and container construction, metal and device construction, shipbuilding
- ▶ Bonding in food-related areas
- ▶ Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates

Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Declaration in "baubook" Austria
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml cartridge
black	M560-04-C04
grey	M560-04-C02
white	M560-04-C01
Packaging unit	20
Pieces per pallet	1200

M580**OTTOCOLL® M580** **SPECIAL**

The extremely fast 2-component hybrid adhesive



2-component hybrid polymer STP adhesive
For indoor and outdoor application

Characteristics

- ▶ **Extremely fast hardening**
Stress can be applied to the bond extremely quickly
- ▶ **Very good adhesion on many materials**
No pre-treatment required
- ▶ **Elastic**
Compensates movements
- ▶ **Silicone-free**
- ▶ **Free of isocyanates**
Harmless to health

Fields of application

- ▶ Bonding of door fillings covering the complete door
- ▶ Bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete, etc.
- ▶ Bonding of window sills, floor strips, decorative strips and stairs
- ▶ Bonding in body and vehicle construction, carriage and container construction, metal and device construction, shipbuilding
- ▶ Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates

Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	2x 190 ml plastic twin cartridge	2x 310 ml plastic twin cartridge
● fair grey	M580-4005-15-C5195	M580-4005-16-C5195
Packaging unit	10/Box incl. 10 static mixing nozzles ¹	10/Box incl. 10 static mixing nozzles ¹
Pieces per pallet	600	600

**OTTO accessories**

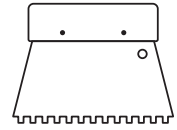
- OTTO Compressed Air Gun P2x310 p. 150
- OTTO Hand-operated Gun 2K H293 p. 158
- ¹ OTTO Static mixing nozzle MGQ 10-19D p. 176



M 595

OTTOCOLL® M 595 SPECIAL

The hybrid-adhesive for full-surface bonding



Standards and tests

- > EMICODE® EC 1 PLUS – very low emission
- > Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- > French VOC-emission class A+
- > Declaration in "baubook" Austria
- > Classification according to building certification systems, see the sustainability data sheet

Packaging	580 ml aluminium foil bag	5 kg plastic pail ¹
○ white	M595-08-C01	M595-41-C01
Packaging unit	20	1
Pieces per pallet	880	54

¹ Minimum order quantity 5 kg bucket = 8 pieces



1-component hybrid polymer STP adhesive
For indoor and outdoor application

Characteristics

- > **Applicable by spatula**
Apply quickly and easily with a toothed spatula
- > **Fills in unevenness**
Possible for rough surfaces. Sound-absorbing effect by filling the cavities
- > **Very good adhesion on many materials**
No pre-treatment required
- > **Also bonding to damp surfaces**
No lost working time due to drying of the substrates
- > **Elastic**
Compensates movements
- > **Silicone-free**
- > **Free of isocyanates**
Harmless to health

Fields of application

- > Bonding of wall cladding panels indoors, such as in sanitary, kitchen and catering areas and in cold storage rooms
- > Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates



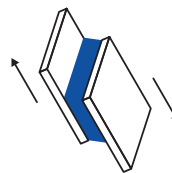
PU adhesives



P83

OTTOCOLL® P83 **SPECIAL**

The highly elastic PU adhesive



1-component adhesive based on polyurethane
For indoor and outdoor application

Characteristics

- ▶ **Highly elastic**
Compensates for high movements
- ▶ **Extremely resilient to mechanical forces**
Resists high shock load and peeling loads
- ▶ **Good resistance to influence of chemicals**
Suitable for use in areas subject to heavy chemical exposure
- ▶ **Does not foam**
No weighting necessary
- ▶ **Silicone-free**

Fields of application

- ▶ Bonding in bodywork, wagon and container construction, metal construction and apparatus engineering, ship building
- ▶ Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates

Standards and tests

- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 12+19-1+21+25+30+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml aluminium cartridge	580 ml aluminium foil bag
● black	P83-20-C04	on request
● grey	P83-20-C02	P83-08-C02
○ white	P83-20-C01	on request
Packaging unit	20	20
Pieces per pallet	1200	600



OTTOCOLL® P84 **SPECIAL**

The PU glue



1-component polyurethane adhesive flowable
For indoor and outdoor application

Characteristics

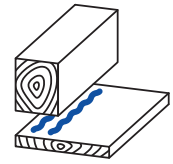
- ▶ **Free-flowing**
Easy to use on flat applications
- ▶ **Very high final strength**
Resistant to high mechanical stresses
- ▶ **Grindable and paintable after curing**

Fields of application

- ▶ Manufacturing garden furniture and window edges
- ▶ Manufacturing of laminated wood for non-load-bearing parts
- ▶ Manufacturing sandwich/composite boards, e.g. for partition walls, door parts, exterior walls for prefabricated houses, façade elements, vehicle superstructural parts etc.
- ▶ Producing finger joints

Standards and tests

- ▶ Tested according to DIN EN 204-D4 weathering resistant bonding for wood and derived wood products by the ift Rosenheim, Germany (institute for window techniques)
- ▶ Tested according to DIN EN 14257 (WATT 91) – Bonding strength of sealants for wood and derived wood products (ift Rosenheim, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class C



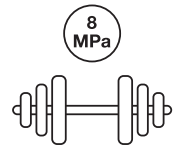
Packaging	500 ml plastic bottle	12l plastic canister
● fair beige	P84-30-C68	P84-32-C68
Packaging unit	6	1
Pieces per pallet	522	40

500 ml plastic bottles: ideally, always store and transport upright!

P85

OTTOCOLL® P85 **PREMIUM**

The high-strength premium PU adhesive



1-component adhesive based on polyurethane
For indoor and outdoor application

Characteristics

- ▶ **Extremely high final strength**
Resistant to high mechanical stresses
- ▶ **Fast curing**
Short pressing and fixing times
- ▶ **Compatible with natural stone**
Does not cause greasy deposits on natural stones
- ▶ **Grindable and paintable after curing**

Fields of application

- ▶ Bonding of stone, natural stone and ceramic
- ▶ Bonding of insulating units, e. g. made of polystyrene, PVC, PU etc.
- ▶ Bonding of window sills, floor strips, decorative strips and stairs
- ▶ Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates

Standards and tests

- ▶ Tested according to DIN EN 204-D4 weathering resistant bonding for wood and derived wood products by the ift Rosenheim, Germany (institute for window techniques)
- ▶ Tested according to DIN EN 14257 (WATT 91) – Bonding strength of sealants for wood and derived wood products (ift Rosenheim, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- ▶ French VOC-emission class A+

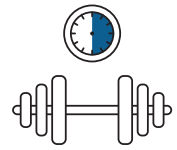
Packaging	310ml cartridge	580ml aluminium foil bag
● beige	P85-04-C16	P85-08-C16
○ translucent	P85-04-C95	on request
Packaging unit	20	20
Pieces per pallet	1200	600



OTTOCOLL® P 340 Rapid

SPECIAL

The very fast PU adhesive





1-component adhesive based on polyurethane
For indoor and outdoor application

Characteristics

- ▶ **Very fast curing**
Very short pressing and fixing times
- ▶ **Very high final strength**
Resistant to high mechanical stresses
- ▶ **Compatible with natural stone**
Does not cause greasy deposits on natural stones
- ▶ **Grindable and paintable after curing**

Fields of application

- ▶ Bonding of stone, natural stone and ceramic
- ▶ Bonding of insulating units, e. g. made of polystyrene, PVC, PU etc.
- ▶ Bonding of window sills, floor strips, decorative strips and stairs
- ▶ Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates

Packaging	310 ml cartridge
 beige	P340-04-C1038
 old grey	P340-04-C1170
Packaging unit	20
Pieces per pallet	1200



Standards and tests

- ▶ According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- ▶ According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1^{PLUS} – very low emission

P410

OTTOCOLL® P410

SPECIAL

The flowable PU adhesive



Packaging	12l plastic canister	1,000l container	200l tin drum with tap holes ¹
● brown	P410-32-C05	on request	on request
Packaging unit	1	1	1
Pieces per pallet	40	1	–

¹ OTTO Drain cock 2" with venting (AERO FLOW) available separately



OTTO accessories

¹ OTTO Drain cock 2" with venting (AERO-FLOW)

p. 178



1-component polyurethane adhesive flowable
For indoor and outdoor application

Characteristics

- ▶ **Free-flowing**
Easy to use on flat applications
- ▶ **High final strength**
Resists mechanical stresses
- ▶ **Grindable and paintable after curing**

Fields of application

- ▶ Manufacturing sandwich/composite boards, e.g. for partition walls, door parts, exterior walls for prefabricated houses, façade elements, vehicle superstructural parts etc.
- ▶ Bonding of large-surface elements, e.g. for prefabricated houses, caravan and container construction
- ▶ Manufacturing garden furniture and window edges

Standards and tests

- ▶ According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- ▶ According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- ▶ French VOC-emission class A+

Acrylate adhesives



A 265

OTTOCOLL® A 265 TopFix

SPECIAL

The fixing adhesive



1-component acrylic adhesive
For indoor application

Characteristics

- ▶ **High initial adhesion**
No fixation required
- ▶ **Fast curing**
Short pressing and fixing times
- ▶ **Compatible with natural stone**
Does not cause greasy deposits on natural stones
- ▶ **Grindable and paintable after curing**
- ▶ **Solvent-free**
- ▶ **Store and transport frost-free**

Fields of application

- ▶ Bonding of stucco and ceiling profiles
- ▶ Bonding of gypsum plasterboards
- ▶ Bonding of cable ducts made of PVC
- ▶ Bonding of stone, natural stone and ceramic
- ▶ Bonding of insulating units, e. g. made of polystyrene, PVC, PU etc.
- ▶ Bonding of window sills, floor strips, decorative strips and stairs
- ▶ Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates

Standards and tests

- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Suitable for applications according to IVD instruction sheet no. 30+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml cartridge	20 l hobbock
○ oyster-white	A265-04-C194	on request
Packaging unit	20	1
Pieces per pallet	1200	16



OTTOCOLL® A 270 SPECIAL

The film adhesive



1-component dispersion adhesive
For indoor application

Characteristics

- ▶ **Durable adhesive properties**
Removable/correctable
- ▶ **Highly adhesive**
No fixing required, processing possible without pressure bar
- ▶ **Solvent-free**
- ▶ **Low odour**
Convenient processing
- ▶ **Ageing resistant**
For long-lasting indoor applications
- ▶ **Frost-resistant -10 °C/up to 48 hours**
Can be stored and transported in temperatures as low as -10 °C for up to 48 hours
- ▶ **Can be processed at temperatures down to -10 °C**
Can be processed even at cool temperatures




Fields of application

- ▶ For connecting air-tight strips according to DIN 4108 – 7 without pressure slats or profiles
- ▶ Not suitable for sauna and swimming pools

Standards and tests

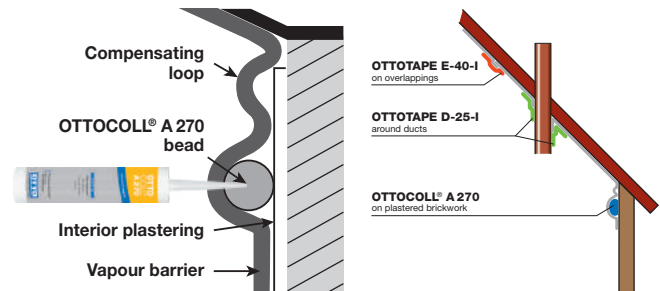
- ▶ Suitable for applications according to IVD instruction sheet no. 12+19-2+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ According to the requirements of DIN 4108 – 11
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml cartridge	580 ml aluminium foil bag
 fair blue	A270-04-C987	A270-08-C987
Packaging unit	20	20
Pieces per pallet	1200	600



Additional useful information

For forming airtight bonds of vapour retarders and vapour barriers on absorbent substrates, such as plastering, concrete or untreated wood.



Wet method:



1. Fix vapour barrier in place with adhesive tape. Remove the fixed vapour barrier immediately after applying **OTTOCOLL® A 270 in 8 mm beads.**



2. Apply vapour barrier with loop in order to compensate movements of the building.



3. **Press** vapour barrier **lightly** onto the bead. **CAUTION:** Please do not press it flat – **OTTOCOLL® A 270 bead must be at least 4 mm thick.**



OTTO product tip

OTTOTAPE D-25-I Duct
OTTOTAPE E-40-I Overlapping

p. 186

p. 186

Silicone adhesives



OTTOCOLL® S 16

SPECIAL

The mirror adhesive



1-component silicone adhesive based on alkoxy, neutral cross-linking
For indoor and outdoor application

Characteristics

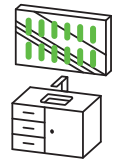
- ▶ **Mirror-compatible**
Suitable for all commercially available mirrors
- ▶ **Very good adhesion on many materials**
No pre-treatment required
- ▶ **Elastic**
Compensates movements

Fields of application

- ▶ Bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete, etc.
- ▶ Bonding of lacquered and enamelled glass

Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ Classification according to building certification systems, see the sustainability data sheet
- ▶ French VOC-emission class A+



Packaging	310 ml cartridge
Color	mint-white
Packaging unit	S16-04-C97
Pieces per pallet	20
	1200



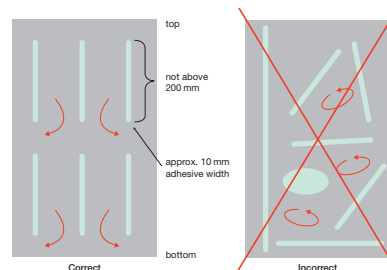
Additional useful information

For elastic bonding of mirrors on ceramics, glass, plastic, stainless steel, aluminium, wood, concrete, plaster, masonry, gypsum board, aerated concrete or untreated wood. Commercially available mirror coatings do not need to be primed. OTTO Primer 1105 must be applied thickly on mineral surfaces. Airing-out takes at least 30 minutes. Coated chipboard must be pretreated with OTTO Primer 1216. When bonding onto substrates not mentioned here, please consult our Applications Technology department.

Never apply OTTOCOLL® S 16 in dots or over the whole surface but always in vertical stripes (beads). At least three adhesive stripes each approx. 10mm wide have to be applied per square metre of mirror in order to enable the air circulation required for vulcanisation. The minimum distance between the mirror and substrate must be 1.6mm, which can be realised by applying spacers. Preliminary fixation until curing (at least 48 hours) can be carried out with adhesive strips, blocks of wood or wedges.

For sealing the outside edges of the mirror in combination with natural stones we advise OTTOSEAL® S 70, S 80, S 130 and S 140, in combination with other materials like ceramics, metal, glass etc. we advise OTTOSEAL® S 120, S 121 and S 125.

Please note that sealing must only be performed following the complete curing of the OTTOCOLL® S 16 mirror adhesive and once the decomposition products have completely escaped. This takes about seven days. Mirrors without glass backs should only be sealed at the vertical edges to avoid damage to the mirror coating caused by the formation of condensed water.



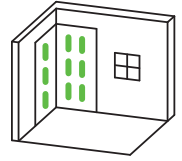
For an ideal adhesion or load capacity an under-coat of minimum 10cm² per kg weight of pane, applied in strings, is necessary.

S 495

OTTOCOLL® S 495

SPECIAL

The panel adhesive



1-component silicone adhesive based on alkoxy, neutral cross-linking
For indoor and outdoor application

Characteristics

- ▶ **Very good adhesion on many substrates**
Suitable for all commercially available panels
- ▶ **Flame retardant – building material class B1 according to DIN 4102**
Can be used under increased fire protection requirements
- ▶ **Efficient wall panel mounting**
Bonding of large wall surfaces in a short time
- ▶ **Compatible with plastics**
Does not cause stress cracks
- ▶ **Stress-compensating**
Compensates movements
- ▶ **Low odour**
Convenient processing
- ▶ **Solvent-free**
Presents no health risks, space can be used immediately after product application



Fields of application

- ▶ Bonding of wall cladding panels indoors, such as in sanitary, kitchen and catering areas and in cold storage rooms
- ▶ Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates
- ▶ Bonding in rooms with increased fire protection requirements, such as in escape routes

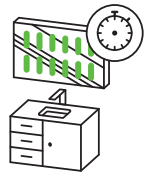
Standards and tests

- ▶ Tested according to DIN 4102-B1 – hardly inflammable
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ Classification according to building certification systems, see the sustainability data sheet

Packaging	310 ml cartridge	580 ml aluminium foil bag
○ white	S495-04-C01	S495-08-C01
Packaging unit	20	20
Pieces per pallet	1200	600

OTTOCOLL® S610 **SPECIAL**

The 2-component silicone adhesive



2-component silicone adhesive alkoxy-based, condensation cross-linking
For indoor and outdoor application

Characteristics

- ▶ **Very fast full curing**
Stress can be applied to the bond very quickly
- ▶ **Very good adhesion on many materials**
No pre-treatment required
- ▶ **Elastic**
Compensates movements
- ▶ **Excellent weathering, ageing and UV-resistance**
For long-lasting indoor and outdoor applications
- ▶ **Compatible with PVB sheets according to ift-guideline DI-02/1**
Suitable for processing VSG

Packaging	490 ml side-by-side plastic cartridge
● black	S610-2030-43-C04
● fair grey	S610-2080-43-C5200
Packaging unit	9/Box incl. 6 static mixing nozzles ¹
Pieces per pallet	540



OTTO accessories

OTTO Accumulator Gun 2K AP400	p. 146
OTTO Compressed Air Gun P490 DP2X	p. 151
OTTO Hand-operated Gun Gigapress Duo 490	p. 157
¹ OTTO Static mixing nozzle MFQX 10-24T	p. 175



Fields of application

- ▶ Bonding glass in bad weather and UV exposure
- ▶ Bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete, etc.
- ▶ Bonding of lacquered and enamelled glass
- ▶ Bonding and mounting different materials, such as wood, wooden materials, plastics, metals and mineral substrates

Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 30+31+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ Classification according to building certification systems, see the sustainability data sheet

Glass, window and façade adhesives



OTTOCOLL® P 86 **SPECIAL**

The corner connection adhesive



1-component adhesive based on polyurethane
For indoor and outdoor application

Characteristics

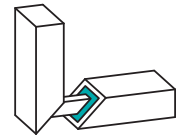
- ▶ **Excellent adhesion on metals**
- ▶ **Foaming**
Fills cavities
- ▶ **Long skin-formation**
Long processing time
- ▶ **Tensile strength after 7 days – approx. 14.000 N**
(ift-test certificate)
- ▶ **Only for commercial users. Please observe the material safety data sheet.**

Fields of application

- ▶ General bonding in metal construction
- ▶ Weathering resistant bonding of corner joints on metal windows, doors and façades as well as conservatories
- ▶ Bonding of modified wood

Standards and tests

- ▶ Tensile strength tested by the ift Rosenheim, Germany (institute for window techniques)
- ▶ According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- ▶ According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- ▶ Expertise about the use of OTTOCOLL® P 86 translucent for bonding modified wood (Georg-August-University Göttingen, Germany)
- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- ▶ French VOC-emission class A+



Packaging	310 ml cartridge	580 ml aluminium foil bag
○ translucent	P86-04-C95	P86-08-C95
○ white	P86-04-C01	P86-08-C01
Packaging unit	20	20
Pieces per pallet	1200	600

**Additional useful information**

For bonding metals, the adhesive must not only have very fast curing but also excellent adhesive power on the metals used. OTTOCOLL® P 86 being an adhesive based on PU is immediately ready to use and easy to handle.

Curing takes place via the chemical reaction with moisture, which is effected by spraying the surfaces to be bonded. Since small quantities of carbon dioxide are formed while curing, OTTOCOLL® P 86 increases slightly in volume enabling hollow spaces to be filled up creating a tight anchoring of angle brackets and aluminium profiles.

The high bonding strength of corner joints of OTTOCOLL® P 86 is confirmed by a test certificate issued by the Institute for Window Technology, Rosenheim, Germany (ift Rosenheim).

Processing of OTTOCOLL® P 86

When using 1-component PU adhesives, a damp surface of the joint partner can support the thorough hardening. Lightly spray the parts to be bonded with water, apply OTTOCOLL® P 86 and join within the skin-forming time of approx. 20 minutes. The materials to be bonded must be affixed before the adhesive has hardened. The bonded parts can be used after about 2 hours.

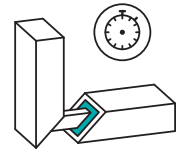


P520

OTTOCOLL® P520

★★★★★
PREMIUM

The premium corner connection adhesive



2-component adhesive based on polyurethane
For indoor and outdoor application

Characteristics

- ▶ **Available in six processing times from 1 to 45 minutes**
Process-optimised selection option
- ▶ **Fast curing even in thick layers**
Fast further processing
- ▶ **Reliable curing in a defined period of time**
Predictable handling and functional strength
- ▶ **Non-shrink curing**
No volume shrinkage
- ▶ **Tensile strength after 7 days – approx. 14.000 N**
(ift-test certificate)
- ▶ **Only for commercial users. Please observe the material safety data sheet.**

Standards and tests

- ▶ Tensile strength tested by the ift Rosenheim, Germany (institute for window techniques)
- ▶ According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- ▶ According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- ▶ French VOC-emission class A+

Technical properties (Comparison table below)	Processing time	~ 45 min
	Functional strength ²	~ 6h
	Final strength ²	~ 3 days
Packaging	2x 190 ml plastic twin cartridge	2x 310 ml plastic twin cartridge
● cream-white	P520-15-C635	P520-16-C635
● dark brown	P520-15-C49	P520-16-C49
● RAL 7004	P520-15-C7004	on request
● RAL 9016	P520-15-C9016	P520-16-C9016
Packaging unit	10/Box incl. 10 static mixing nozzles ¹	10/Box incl. 10 static mixing nozzles ¹
Pieces per pallet	600	600



Fields of application

- ▶ Weathering resistant bonding of corner joints on metal windows, doors and façades as well as conservatories
- ▶ General bonding in metal construction
- ▶ Also suitable for firm bonding of very different materials such as wood, metal, plastics, stone etc.



Additional useful information

In order to meet the requirements for a permanent joint of frame profiles and corner brackets, the adhesive must not only cure very quickly, but above all show excellent adhesive power on the metals used.

The high bonding strength of corner joints of OTTOCOLL® P520 is confirmed by a test certificate issued by the Institute for Window Technology Rosenheim, Germany (ift Rosenheim). The corner connection resisted an applied load of 1,400 kg after only 24h curing time.

The static mixer fitted onto the twin cartridge makes OTTOCOLL® P520 is not only easy to use but also ensures the right mixing ratio and a very homogeneous blend.

Technical properties	Reliable curing in a defined period of time					
	P520	P520SP4897	P520SP5276	P520SP5477	P520SP5747	P520SP6319
Product details	p. 96	p. 97	p. 98	p. 98	p. 99	p. 99
Processing time	~ 45 min	~ 40 min	~ 1 min	~ 5 min	~ 3 min	~ 15 min
Functional strength ²	~ 6 h	~ 6h	~ 15 min	~ 45 min	~ 80 min	~ 5h
Final strength ²	~ 3 days	~ 7 days	~ 1 days	~ 2-3 days	~ 3 days	~ 3 days
Shore D-hardness	~ 60	~ 70	~ 85	~ 75	~ 80	~ 65

²Achievement of the functional strength/final strength at 23°C/50% RH

OTTOCOLL® P520 SP4897

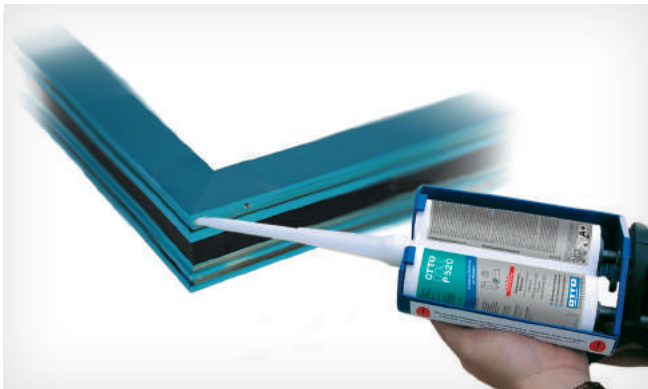
The 2-component PU adhesive
for bonding corners

Since OTTOCOLL® P520 once cured is not brittle, but remains permanently viscoplastic, the bonding shows outstanding knock and shock resistance.

Processing of OTTOCOLL® P520 secure – fast – multi-variant

OTTOCOLL® P520 in the easy-toprocess double cartridge together with the static mixer completely rules out mixing errors and cures even in very thick layers.

The 2-component system with a 1 : 1 mixing ratio also facilitates variable adjustments in terms of processing time, product characteristics and colouring.



OTTO accessories

- OTTO Compressed Air Gun P2x310
- OTTO Hand-operated Gun 2K H293
- ① OTTO Static mixing nozzle KWM 18K

p. 150
p. 158
p. 176

2-component adhesive based on polyurethane For indoor and outdoor application

Characteristics

- › **Fast curing even in thick layers**
Fast further processing
- › **Reliable curing in a defined period of time**
Predictable handling and functional strength
- › **Non-shrink curing**
No volume shrinkage
- › **Only for commercial users. Please observe the material safety data sheet.**

Fields of application

- › General bonding in metal construction
- › Weathering resistant bonding of corner joints on metal windows, doors and façades as well as conservatories
- › Manufacturing sandwich/composite boards, e.g. for partition walls, door parts, exterior walls for prefabricated houses, façade elements, vehicle superstructural parts etc.
- › Also suitable for firm bonding of very different materials such as wood, metal, plastics, stone etc.

Standards and tests

- › According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- › According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- › Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- › French VOC-emission class A+



OTTO accessories

- OTTO Compressed Air Gun P2x310
- OTTO Hand-operated Gun 2K H293
- ① OTTO Static mixing nozzle KWM 18K

p. 150
p. 158
p. 176



Technical properties (Comparison table p. 96)

Processing time	~ 40 min
Functional strength ^②	~ 6h
Final strength ^②	~ 7 days

Packaging	2x190ml plastic twin cartridge	2x310ml plastic twin cartridge
● cream-white	on request	SP4897-16-C635
● RAL 7004	SP4897-15-C7004	on request
Packaging unit	10/Box incl. 10 static mixing nozzles ^①	10/Box incl. 10 static mixing nozzles ^①
Pieces per pallet	600	600

② Achievement of the functional strength/final strength at 23°C/50% RH

P520 SP5276

OTTOCOLL® P520 SP5276

Semirigid 2-component PU adhesive

2-component adhesive based on polyurethane
For indoor and outdoor application

Characteristics

- ▶ **Fast curing even in thick layers**
Fast further processing
- ▶ **Reliable curing in a defined period of time**
Predictable handling and functional strength
- ▶ **Non-shrink curing**
No volume shrinkage
- ▶ **Only for commercial users. Please observe the material safety data sheet.**

Fields of application

- ▶ Bonding of reinforcement stripes made of metal or glass fibre reinforced plastics in worktops
- ▶ Bonding of stone, natural stone and ceramic

Standards and tests

- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+


OTTO accessories

- OTTO Compressed Air Gun P2x310 p. 150
- OTTO Hand-operated Gun 2K H293 p. 158
- ① OTTO Static mixing nozzle KWM 10 p. 175



Technical properties (Comparison table p. 96)

Processing time	~ 1 min
Functional strength ^②	~ 15 min
Final strength ^②	~ 1 days

Packaging	2x310 ml plastic twin cartridge
 olive yellow	SP5276-16-C6855
Packaging unit	10/Box incl. 10 static mixing nozzles ^①
Pieces per pallet	600

^②Achievement of the functional strength/final strength at 23°C/50% RH

P520 SP5477

OTTOCOLL® P520 SP5477

Viscoplastic 2-component PU adhesive

2-component adhesive based on polyurethane
For indoor and outdoor application

Characteristics

- ▶ **Fast curing even in thick layers**
Fast further processing
- ▶ **Reliable curing in a defined period of time**
Predictable handling and functional strength
- ▶ **Non-shrink curing**
No volume shrinkage
- ▶ **Only for commercial users. Please observe the material safety data sheet.**

Fields of application

- ▶ Firm bonding of metals, e.g. aluminium, stainless steel, galvanised steel, copper
- ▶ Firm bonding of wood and derived wood products, e.g. chipboards, plywood etc. and in the staircase renovation
- ▶ Bonding of mineral substrates, e.g. concrete
- ▶ Bonding of stone, natural stone and ceramic
- ▶ Bonding of fireproof panels, e.g. made of gypsum fibreboard or gypsum plasterboard

Standards and tests

- ▶ According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- ▶ According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+

OTTO accessories

- OTTO Compressed Air Gun P2x310 p. 150
- OTTO Hand-operated Gun 2K H293 p. 158
- ① OTTO Static mixing nozzle KWM 18K p. 176



Technical properties (Comparison table p. 96)

Processing time	~ 5 min
Functional strength ^②	~ 45 min
Final strength ^②	~ 2-3 days

Packaging	2x190 ml plastic twin cartridge
 cream-white	SP5477-15-C635
Packaging unit	10/Box incl. 10 static mixing nozzles ^①
Pieces per pallet	600

^②Achievement of the functional strength/final strength at 23°C/50% RH

P 520 SP 5747**P 520 SP 6319****OTTOCOLL® P 520 SP 5747**

The 2-component PU adhesive
for bonding corners

2-component adhesive based on polyurethane
For indoor and outdoor application

Characteristics

- ▶ **Fast curing even in thick layers**
Fast further processing
- ▶ **Reliable curing in a defined period of time**
Predictable handling and functional strength
- ▶ **Non-shrink curing**
No volume shrinkage
- ▶ **Only for commercial users. Please observe the material safety data sheet.**

Fields of application

- ▶ General bonding in metal construction
- ▶ Weathering resistant bonding of corner joints on metal windows, doors and façades as well as conservatories
- ▶ Also suitable for firm bonding of very different materials such as wood, metal, plastics, stone etc.

Standards and tests

- ▶ According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- ▶ According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+

**OTTO accessories**

- OTTO Compressed Air Gun P2x310 p. 150
- OTTO Hand-operated Gun 2K H293 p. 158
- ① OTTO Static mixing nozzle KWM 18K p. 176



Technical properties (Comparison table p. 96)

Processing time	~ 3 min
Functional strength ²	~ 80 min
Final strength ²	~ 3 days

Packaging	2x 190 ml plastic twin cartridge
● old grey	SP5747-15-C1170
Packaging unit	10/Box incl. 10 static mixing nozzles ¹
Pieces per pallet	600

²Achievement of the functional strength/final strength at 23°C/50% RH

OTTOCOLL® P 520 SP 6319

The 2-component PU adhesive
for bonding corners

2-component adhesive based on polyurethane
For indoor and outdoor application

Characteristics

- ▶ **Fast curing even in thick layers**
Fast further processing
- ▶ **Reliable curing in a defined period of time**
Predictable handling and functional strength
- ▶ **Non-shrink curing**
No volume shrinkage
- ▶ **Only for commercial users. Please observe the material safety data sheet.**

Fields of application

- ▶ General bonding in metal construction
- ▶ Weathering resistant bonding of corner joints on metal windows, doors and façades as well as conservatories
- ▶ Also suitable for firm bonding of very different materials such as wood, metal, plastics, stone etc.

Standards and tests

- ▶ According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- ▶ According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- ▶ Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+

**OTTO accessories**

- OTTO Compressed Air Gun P2x310 p. 150
- OTTO Hand-operated Gun 2K H293 p. 158
- ① OTTO Static mixing nozzle KWM 18K p. 176



Technical properties (Comparison table p. 96)

Processing time	~ 15 min
Functional strength ²	~ 5 h
Final strength ²	~ 3 days

Packaging	2x 190 ml plastic twin cartridge
● cream-white	SP6319-15-C635
Packaging unit	10/Box incl. 10 static mixing nozzles ¹
Pieces per pallet	600

²Achievement of the functional strength/final strength at 23°C/50% RH

OTTOFLEX® system compound sealing



OTTOFLEX® Adhesive primer



Standards and tests

- › GISCODE BSW10
- › EMICODE® EC 1 PLUS – very low emission
- › French VOC-emission class A+

Packaging	1 kg plastic bottle	6 kg plastic pail
	OFHG-48	OFHG-45
Packaging unit	10	1
Pieces per pallet	480	45



Characteristics

- › Adhesion-enhancing primer for floor and walls
- › **High-strength bond adhesion even on sealed, smooth substrates such as glazed ceramic tiles**
- › **Very short, 1-hour drying time on non-absorptive substrates; no drying time on absorptive substrates**
- › Compatible with commercially available tile adhesives and solvent-free coatings
- › Solvent-free
- › Store and transport frost-free



Fields of application

- › Primer and bonding course on absorptive and non-absorptive floor and wall areas indoors and outdoors before laying ceramic coverings
- › Suitable for a large variety of substrate, for example hydraulically hardening cement, lime and gypsum plasters, gypsum plaster boards, gypsum fibreboards, brickwork, aerated concrete, lime-sand brick, cement, anhydrite, magnesia and mastic asphalt screeds, timber floorboards, self-levelling floor-levelling compound/material, natural stone, glazed ceramic tiles, steel and glass
- › Creates a secure bond with the following coatings and water-based thin-bed mortars

OFTG

OTTOFLEX® Deep primer



Characteristics

- ▶ Solvent-free primer for floors and walls
- ▶ Impregnates deeply into the surface
- ▶ Forms a very good bonding agent for subsequent coatings
- ▶ Improves the adhesion of plasters, tile adhesives and wallpapers
- ▶ Dilutable 1:2 with water
- ▶ Store and transport frost-free



Fields of application

- ▶ Priming and reinforcing of absorbent and less absorbent surfaces
- ▶ Primer should be applied prior to the application of acrylate coatings and commercially available solvent-free tile adhesives on gypsum boards, gypsum and lime-gypsum plasterings, gypsum floors, gypsum fibreboards, concrete, cellular concrete, sand-lime brick, bricks, masonry, plasters, screeds, anhydrite floors and melted asphalt screeds, panelling, priming and self-spreading floor leveling compounds
- ▶ Use within the scope of tile setting according to DIN 18157-1
- ▶ Facilitates the removal of wallpapers during renovating work
- ▶ Improves the load-bearing strength and firmness of the substrate

Standards and tests

- ▶ Complies with the stress categories W1 and W2 in accordance with ÖNORM B 3407
- ▶ GISCODE BSW20
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ French VOC-emission class A+

Packaging	1 kg plastic bottle	5 kg plastic canister	10 kg plastic canister	20 kg plastic canister
fair blue	OFTG-39	OFTG-59	OFTG-61	OFTG-68
Packaging unit	10	1	1	1
Pieces per pallet	360	90	60	24
Packaging				200kg plastic drum
fair blue				on request
Packaging unit				1
Pieces per pallet				2

OTTOFLEX® Primer



Characteristics

- ▶ Synthetic resin dispersion based on styrene butadiene
- ▶ Solvent-free
- ▶ In combination with OTTOFLEX® Protective Coating it complies with the requirements of the moisture resistance classes A0 according to ZDB-information sheet as well as A according to abP
- ▶ Store and transport frost-free



Fields of application

- ▶ Primer for OTTOFLEX® Protective Coating, on absorbent and heavily absorbent substrates such as gypsum plasterboards, gypsum plaster components, plaster, concrete, cellular concrete, masonry, stone, screed, chipboard of fibreboard

Standards and tests

- ▶ Tested in relation to OTTOFLEX® Protective Coating in accordance with the test principles to issue a general appraisal certificate for liquid processable sealings in relation to tile and paving tiles
- ▶ Complies with the stress categories W1 and W2 in accordance with ÖNORM B 3407
- ▶ GISCODE BSW10
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1 PLUS – very low emission

Packaging	1 kg plastic bottle	5 kg plastic canister	10 kg plastic canister	200 kg plastic drum
	OFVA-39	OFVA-59	OFVA-61	on request
Packaging unit	10	1	1	1
Pieces per pallet	480	90	60	2



OTTO product tip

OTTOFLEX® Protective coating

p. 104

OFFF

OTTOFLEX® Protective coating

Compound sealing



Characteristics

- › Synthetic resin dispersion based on styrene butadiene
- › Sealing against humidity
- › **Compatible with commercially available tile adhesives and solvent-free coatings**
- › Compatible with OTTO silicone sealants
- › Ready-to-use, easily applicable by rolling, painting or trowelling
- › **Very short drying time of 2 to 3 hours**
- › High crack bridging ability
- › Free of plasticisers and solvents
- › Store and transport frost-free
- › Complies with building material class B2 "normally inflammable" in accordance with DIN 4102-1



Fields of application

- › Composite sealing in moisture-prone rooms and wet rooms underneath ceramic coverings and natural stone using the thin bed method
- › Suitable for very various substrates, e.g. gypsum, gypsum plasterboards, gypsum fibre, (cellular-) concrete, masonry, stone, screed

Standards and tests

- › Complies with the water action categories W0-I, W1-I and W2-I for tear class R1-I in accordance with DIN 18534
- › General building inspection certificate – Liquid seal in combination with tiles and board coverings for use as building sealant
- › Conform to the moisture resistance classes A0 according to ZDB and A according to abP
- › Based on the inspections for awarding an abP in accordance with PG-AIV-F and the resulting areas of application, the following stress categories can be assigned from the ÖNORM B 3407 – W1, W2, W3 and W4
- › GISCODE BSW10
- › French VOC-emission class A
- › EMICODE® EC 1 PLUS – very low emission

Packaging	7 kg plastic pail ¹	12 kg plastic pail ¹	20 kg plastic pail ¹	90 kg plastic drum ²
	OFFF-45	OFFF-46	OFFF-35	OFFF-36
Packaging unit	1	1	1	1
Pieces per pallet	45	33	24	4

¹ Container with colour paste for the second coat included.

² The necessary colour bag for the 90 kg drum must be ordered separately according to requirements. For colouring 20 kg of protective coating, we recommend 1 bag of coloured paste (10 g), i. e. approx. 5 bags for 90 kg.



Additional useful information

DIN 18534-1 stipulates the application of at least two layers of fluid sealant (AIV-F) which must entirely cover the surface and be in two contrasting colours.

OTTOFLEX® Protective Coating offers an innovative solution to this:

A colour paste is provided with each container. Empty the contents of the sachet into the remaining liquid coating, mix well and apply as usual.



Advantages of the colour additive:

- ▶ Fewer containers required
- ▶ No risk of confusion during transport or on the building site

New in the OTTOFLEX® System compound sealing

For sealing in combination with the OTTOFLEX® Protective Coating, the following C2 tile adhesives are tested in the system in accordance with abP (general building inspection certificate):

- ▶ Ardex N23 Microtec natural stone
- ▶ Ardex X7 G plus
- ▶ Botament Multistone
- ▶ Botament M21 Classic
- ▶ Codex Power CX 1
- ▶ Codex Stone SX80
- ▶ Mapei Keraquick S1
- ▶ Mapei Ultralite S1
- ▶ PCI FT Extra
- ▶ PCI flexible mortar
- ▶ PCI flexible mortar S1
- ▶ Sakret FFKs
- ▶ Sakret flexible tile cement FFK
- ▶ Schomburg Monoflex
- ▶ Schomburg Soloflex
- ▶ Schönnox Q6
- ▶ Sopro FKM XL
- ▶ Sopro tile cement no. 1
- ▶ weber.xerm 852
- ▶ weber.xerm 861

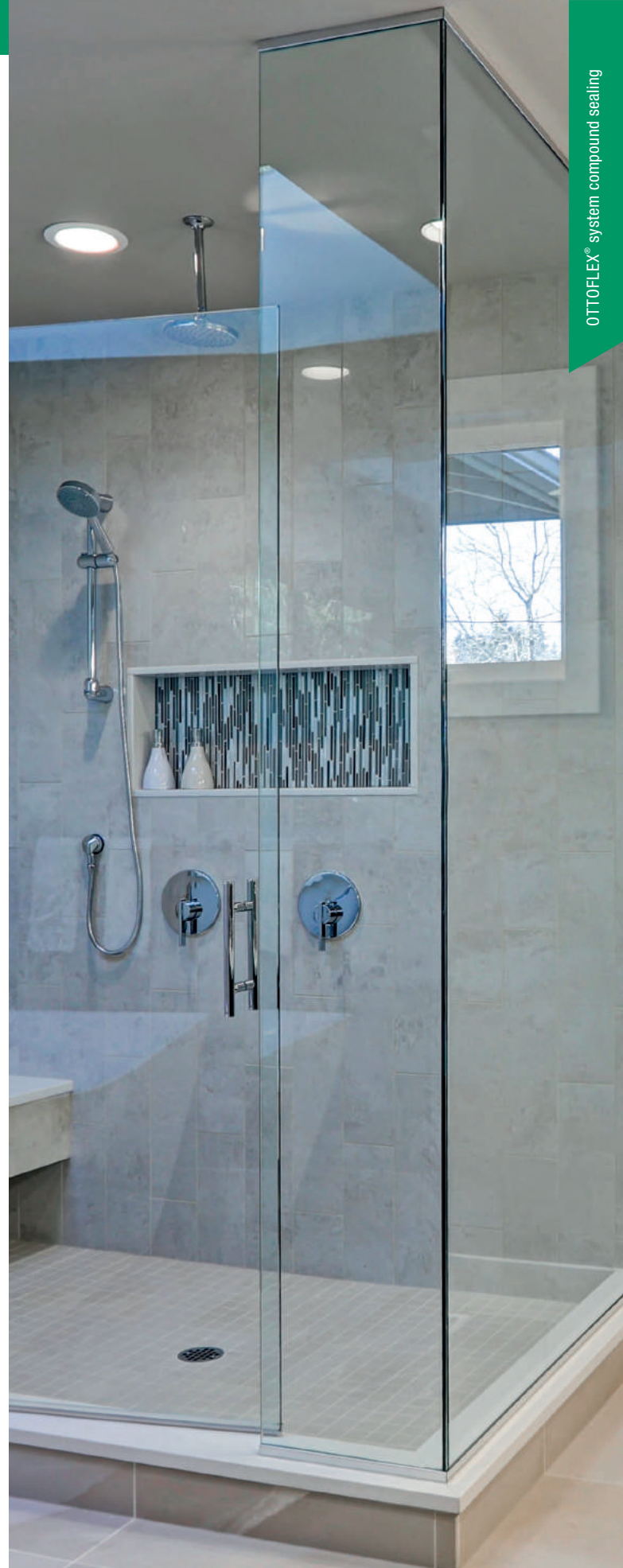
Please refer to the current list of all certified C2 adhesives in the system on our OTTO website!



OTTO product tip

OTTOFLEX® Primer

p. 103



OFDS

OTTOFLEX® Slurry seal coating

Compound sealing



Characteristics

- ▶ 1-component, flexible composite sealing – quick-curing
- ▶ **Crack-bridging**
- ▶ Easy to use
- ▶ Crack-free curing
- ▶ **Watertight and permeable to vapour diffusion after curing**
- ▶ Frost and ageing resistant after setting
- ▶ Complies with building material class B2 "normally inflammable" in accordance with DIN 4102-1

Fields of application

- ▶ For application in interior and exterior areas
- ▶ Flexible composite sealing under ceramic coverings and natural stone in moisture-prone rooms and wet rooms
- ▶ Flexible composite sealing under ceramic coverings and natural stone on balconies, terraces and arcades (not above used rooms) with a gradient $\geq 1.5\%$
- ▶ Construction waterproofing of components which have contact with the earth to protect against ground moisture and non-oppressive water, such as exterior cellar walls and supporting walls
- ▶ For sealing swimming pools and solid water containers for the interior and the exterior, authorised for a water depth of up to 4 m

- ▶ Suitable for substrates which are sufficiently stable such as gypsum plasterboard, gypsum fibre, screed, heated screed, concrete, masonry, cellular concrete and plasters classified by mortar groups II and III
- ▶ In very wet areas conform to stress categories A and B according to abP

Standards and tests

- ▶ General building inspection certificate – Liquid seal in combination with tiles and board coverings for use as building sealant
- ▶ Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- ▶ Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- ▶ Conform to the stress categories A and B according to abP
- ▶ Conform to the moisture resistance classes A0 and B0 according to ZDB information sheet
- ▶ Based on the inspections for awarding an abP in accordance with PG-AIV-F and the resulting areas of application, the following stress categories can be assigned from the ÖNORM B 3407 – W1, W2, W3, W4, W5 (except areas with increased chemical stress) and W6
- ▶ Watertightness tested in accordance with DIN EN 14891, table 1
- ▶ GISCODE ZP1
- ▶ French VOC-emission class A+

Packaging	20 kg sack
	OFDS-108
Packaging unit	1
Pieces per pallet	50

OTTOFLEX® Sealing strip

Compound sealing



Characteristics

- ▶ Polyethylene sealing strip with double non-woven fabric
- ▶ **Impermeable to water and has water vapour retarding properties**
- ▶ **High practical stretching and crack bridging properties**
- ▶ Resistant to ageing and decomposition
- ▶ Good resistance to aqueous solutions of salt, acids and alkaline solutions
- ▶ The product is alkali-resistant according to the test specifications of abP Sealing in connection with tiles and slabs and of ETAG 022
- ▶ Complies with building material class B2 "normally inflammable" in accordance with DIN 4102-1



Fields of application

- ▶ Composite sealing in moisture-prone rooms and wet rooms underneath ceramic coverings and natural stone using the thin bed method (e.g. wet areas such as bathrooms, shower rooms, edge areas of swimming pools, saunas, steam baths, steam saunas, as well as for industrial uses in the foodstuffs industry, e.g. in breweries, dairies)
- ▶ Flexible composite sealing under ceramic coverings and natural stone on balconies, terraces and arcades (not above used rooms) with a gradient $\geq 1.5\%$

- ▶ OTTOFLEX® Sealing strip is a crack-bridging, uncoupling, watertight, alternative sealing strip with non-woven fabric for safe fastening of the tile adhesive applied

Standards and tests

- ▶ Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- ▶ According to the moisture resistance classes A and C according to abP as well as A0 and B0 according to ZDB information sheet
- ▶ General building inspection certificate – Panel-shaped seal in combination with tiles and board coverings for use as building sealant
- ▶ Based on the inspections for awarding an abP in accordance with PG-AIV-F and the resulting areas of application, the following stress categories can be assigned from the ÖNORM B 3407 – W1, W2, W3, W4, W5 and W6
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1 PLUS – very low emission

Dimensions (length x width)	Order unit (OU)	Pieces per pallet	Order code
30 m x 1 m	1 piece	26	OFAB-100



Additional useful information

For sealing in combination with the OTTOFLEX® Sealing Strip, the following C2 tile adhesives are tested in the system in accordance with abP (general building inspection certificate):

- ▶ Ardex N23 Microtec natural stone
- ▶ Ardex X7 G plus
- ▶ Botament Multistone
- ▶ Botament M21 Classic
- ▶ Codex Power CX 1
- ▶ Codex Stone SX80
- ▶ Mapei Keraquick S1
- ▶ Mapei Ultralite S1
- ▶ PCI FT Extra
- ▶ PCI flexible mortar S1
- ▶ Sakret FFKs
- ▶ Sakret flexible tile cement FFK
- ▶ Schomburg Monoflex
- ▶ Schomburg Soloflex
- ▶ Schönox Q6
- ▶ Sopro FKM XL
- ▶ Sopro tile cement no. 1
- ▶ weber.xerm 852
- ▶ weber.xerm 861

Please refer to the current list of all certified C2 adhesives in the system on our OTTO website!



OTTO product tip

OTTOCOLL® M500

p. 73

OFDB

OTTOFLEX® Sealing tape



Standards and tests

- › Tested in accordance with the test principles to issue a general appraisal certificate (abP) P-AB 075-03 for liquid processable sealings in association with tile and paving tiles, paragraph 3.5.6 (edition september 2004) – to apply water pressure of 3 bar over a period of 7 days
- › Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- › Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- › According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- › Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- › French VOC-emission class A+
- › EMICODE® EC 1 PLUS – very low emission

Designation	Sealing width	Order unit (OU)	Pieces per pallet	Order code
10-series tape	5 cm	1 roll, each 10 m	420	OFDB-5/10
10-series tape	5 cm	1 roll, each 50 m	100	OFDB-5/50
12-series tape	7 cm	1 roll, each 10 m	420	OFDB-7/10
12-series tape	7 cm	1 roll, each 50 m	100	OFDB-7/50



Characteristics

- › Fabric reinforced elastomer tape
- › Extremely flexible, ageing resistant, highly tear resistant
- › **Compatible with commercially available tile adhesives and solvent-free coatings**
- › Compatible with OTTO silicone sealants
- › Safe connection with OTTOFLEX® Protective coating/Slurry seal coating/Sealing strip
- › **User-friendly because of fold for easy bending**
- › **Marked with metre measuring scale**
- › Dispenserbox



Fields of application

- › For application in interior and exterior areas
- › Sealing of wall corners to bridge cracks and joints

OTTOFLEX® Project sealing tape



Standards and tests

- › Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- › Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- › According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- › Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- › Tested according to DIN EN 1928 (version B) test of the waterimpermeability
- › French VOC-emission class A+
- › EMICODE® EC 1 PLUS – very low emission

Designation	Sealing width	Order unit (OU)	Packaging unit (PU)	Pieces per pallet	Order code
12-series tape	7 cm	1 roll, each 50 m	6 rolls, each 50 m	90	OFOD-70



Characteristics

- › Fabric reinforced elastomer tape
- › Very flexible, ageing and tear resistant
- › Compatible with commercially available tile adhesives and solvent-free coatings
- › Safe connection with OTTOFLEX® Protective coating/Slurry seal coating/Sealing strip
- › Compatible with OTTO silicone sealants



Fields of application

- › Sealing of wall corners to bridge cracks and joints

OFAE

OTTOFLEX® Exterior corner tapes



Characteristics

- › Safe connection with OTTOFLEX® Protective coating/Slurry seal coating/Sealing strip

Fields of application

- › Elastic corner tape for permanent waterproof sealing of exterior corners under tiles, boards and ceramic coverings



Standards and tests

- › Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- › Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- › According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- › Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- › French VOC-emission class A+
- › EMICODE® EC 1^{PLUS} – very low emission

Dimensions (length x sealing width)	Order unit (OU)	Packaging unit (PU)	Packaging	Order code
15 x 6 cm	1 piece	4 pieces	box	OFAE
15 x 6 cm	20 pieces	20 pieces	donor box	OFAE20

OFIE

OTTOFLEX® Interior corner tapes



Characteristics

- › Safe connection with OTTOFLEX® Protective coating/Slurry seal coating/Sealing strip

Fields of application

- › Elastic corner tape for permanent waterproof sealing of interior corners under tiles, boards and ceramic coverings



Standards and tests

- › Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- › Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- › According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- › Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- › French VOC-emission class A+
- › EMICODE® EC 1^{PLUS} – very low emission

Dimensions (length x sealing width)	Order unit (OU)	Packaging unit (PU)	Packaging	Order code
15 x 6 cm	1 piece	10 pieces	box	OFIE
15 x 6 cm	50 pieces	50 pieces	donor box	OFIE50

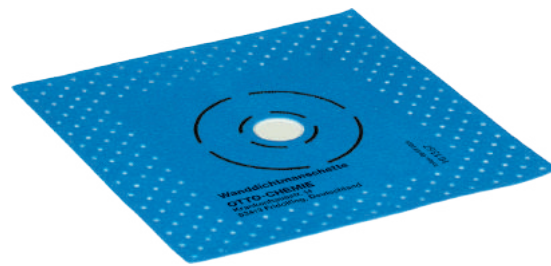
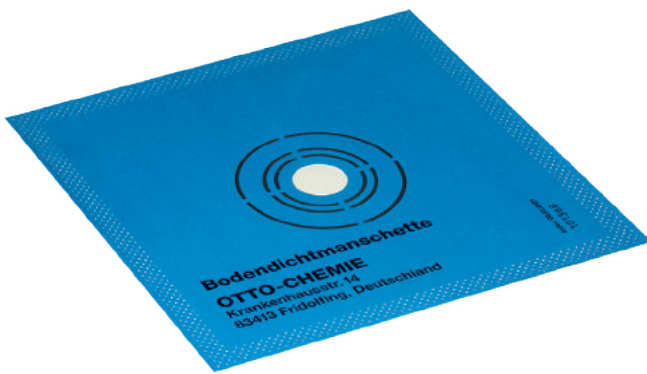
OFBM

OFWM

OTTOFLEX®
Floor sealing sleeve

OTTOFLEX®
Wall sealing sleeve

OTTOFLEX® system compound sealing



Characteristics

- ▶ Safe connection with OTTOFLEX® Protective coating/Slurry seal coating/Sealing strip

Fields of application

- ▶ Elastic sealing sleeve used in floor areas for permanent waterproof sealing around pipe ducts under tiles, boards and ceramic coverings



Standards and tests

- ▶ According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- ▶ Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1^{PLUS} – very low emission

Dimensions	Order unit (OU)	Packaging unit (PU)	Order code
42,5 x 42,5 cm	1 piece	2 pieces	OFBM



Characteristics

- ▶ Safe connection with OTTOFLEX® Protective coating/Slurry seal coating/Sealing strip

Fields of application

- ▶ Elastic sealing sleeve used on walls for permanent waterproof sealing around pipe ducts under tiles, boards and ceramic coverings



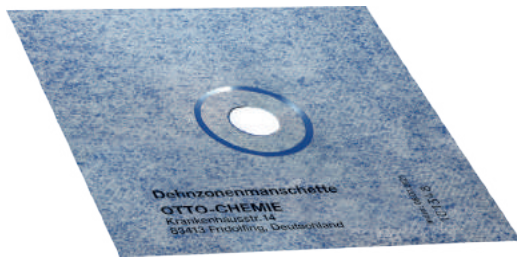
Standards and tests

- ▶ According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- ▶ Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1^{PLUS} – very low emission

Dimensions	Order unit (OU)	Packaging unit (PU)	Order code
15 x 15 cm	1 piece	10 pieces	OFWM

OFDM

OTTOFLEX® Flexible sealing sleeve



Characteristics

- › Safe connection with OTTOFLEX® Protective coating/Slurry seal coating/Sealing strip

Fields of application

- › Special elastomer sleeve (available in 3 sizes) with expansion zone and sealing lip for permanently waterproof sealing on pipe ducts under tiles, boards and ceramic coverings



Standards and tests

- › Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- › Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- › According to the moisture resistance classes according to ZDB and abP
- › Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- › French VOC-emission class A+
- › EMICODE® EC 1^{PLUS} – very low emission

Dimensions	Pipe diameter	Order unit (OU)	Packaging unit (PU)	Order code
135 x 135 mm	20-35 mm	1 piece	10 pieces	OFDM20-35
160 x 160 mm	31-50 mm	1 piece	10 pieces	OFDM31-50
215 x 215 mm	69-110 mm	1 piece	10 pieces	OFDM69-110

OFWRD

OTTOFLEX® Bath edge sealing tape



Characteristics

- › Polypropylene fleece with butyl rubber
- › **Flexible sealing tape**
- › Integrated, self-adhesive butyl strips for easy application using release foil
- › Compatible with OTTO silicone sealants
- › Safe connection with OTTOFLEX® Protective coating/Slurry seal coating/Sealing strip

Fields of application

- › Sealing tape for the flexible seal between the shower/bath tub and the wall

Standards and tests

- › Complies with the water action categories W0-I and W1-I in accordance with DIN 18534
- › Complies with the stress categories W1, W2, W3 and W4 in accordance with ÖNORM B 3407

OTTO product tip

OTTOCOLL® M500

p. 73

Width	Order unit (OU)	Order code
10 cm	1 roll, each 4 m	OFWRD4
10 cm	1 roll, each 25 m	OFWRD25

OFSCHALL

OFSCHUTZ

**OTTOFLEX®
Sound insulation tape**



Characteristics

- ▶ One-sided self-adhesive PE foam tape with PE peel-off foil

Fields of application

- ▶ For sound insulation between the edge of the shower/bath tub and the wall

OTTOFLEX® Protective tape



Characteristics

- ▶ Self-adhesive protective tape, tight-edged woven with double fabric with cut-resistant effect
- ▶ Protection of the compound seal (e.g. OTTOFLEX® sealing tape) against inadvertent separation in a sanitation case
- ▶ Textile made from polyamide and high molecular weight polyethylene with self-adhesive strip and peel-off foil
- ▶ Thin overall thickness to ensure it doesn't come across as too thick underneath the tile
- ▶ Flexible for easy processing

Fields of application

- ▶ Self-adhesive protective tape as a supplement for sealing tapes for use in the areas of silicone joints
- ▶ All joint areas which need to be cut-proof. Wall joint, floor joint, bath and shower edge

Standards and tests

- ▶ Cut resistance passed according to EN 388
- ▶ UV-resistance according to DIN EN ISO 4892-2 at least 200 hours

Width	Order unit (OU)	Order code
3 cm	1 roll, each 4 m	OFSCHALL4
3 cm	1 roll, each 25 m	OFSCHALL25

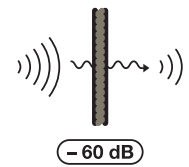
Width	Order unit (OU)	Order code
5 cm	1 roll, each 10 m	OFSCHUTZ10
5 cm	1 roll, each 25 m	OFSCHUTZ25

OTTOPUR PU foams



OTTOPUR OP910

The dosing foam with very good sound and heat insulation



1-component PU dosing foam
For indoor and outdoor application

Characteristics

- ▶ **Very good sound and heat insulation**
- ▶ **60 dB sound insulation according to EN ISO 717-1**
- ▶ **0.035 W/mK insulation value according to DIN 52612**
- ▶ Foam yield approx. 45l per 750ml can
- ▶ Can be cut after approx. 30 minutes
- ▶ Can be loaded after approx. 3-5 hours

Fields of application

- ▶ Mounting and insulation of window and door frames made of wood, steel or plastic in masonry
- ▶ Mounting and insulating of interior partition walls, window sills, etc.
- ▶ Filling of cavities of all types
- ▶ Especially suitable for narrow sealings, e.g. restoration of old buildings
- ▶ Joining of well and shaft rings in sewer manholes and domestic sewage treatment plants
- ▶ For the bonding of polystyrene rigid foam panels as perimeter insulation according to DIN 4108-2



Standards and tests

- ▶ General building inspection certificate: normal inflammable building material (class E according to DIN EN 13501-1)
- ▶ EMICODE® EC 1 PLUS – very low emission
- ▶ French VOC-emission class A+

Packaging	750 ml aerosol can
Packaging unit	OP910-85
Pieces per pallet	12
	504

OTTO accessories

OTTO Dosing Gun X7	p. 147
OTTO Dosing Gun ULTRA	p. 147
OTTO Dosing Gun IPF with reducing set	p. 148

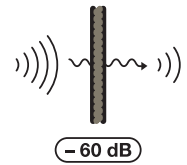
OTTO product tip

OTTOPUR Cleaner	p. 142
OTTO Cleaning wipes	p. 180

OP915

OTTOPUR OP915

The dosing foam with very good sound and heat insulation



1-component PU dosing foam
For indoor and outdoor application

Characteristics

- ▶ **Very good sound and heat insulation**
- ▶ **60 dB sound insulation** according to EN ISO 717-1
- ▶ **0.038 W/mK insulation value** according to DIN 52612
- ▶ **Foam yield approx. 36l per 500 ml can**
- ▶ Can be cut after approx. 35 minutes
- ▶ Can be fully loaded after approx. 24 hours

Fields of application

- ▶ Mounting and insulation of window and door frames made of wood, steel or plastic in masonry
- ▶ Mounting and insulating of interior partition walls, window sills, etc.
- ▶ Filling of cavities of all types
- ▶ Especially suitable for narrow sealings, e.g. restoration of old buildings
- ▶ Joining of well and shaft rings in sewer manholes and domestic sewage treatment plants
- ▶ For the bonding of polystyrene rigid foam panels as perimeter insulation according to DIN 4108-2



Standards and tests

- ▶ General building inspection certificate – normal inflammable building material (B2) according to DIN 4102-1
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ French VOC-emission class A+

Packaging	500 ml aerosol can
	OP915-83
Packaging unit	12
Pieces per pallet	576



OTTO accessories

OTTO Dosing Gun X7	p. 147
OTTO Dosing Gun ULTRA	p. 147
OTTO Dosing Gun IPF with reducing set	p. 148



OTTO product tip

OTTOPUR Cleaner	p. 142
OTTO Cleaning wipes	p. 180

OTTOPUR OP920

The 2-component foam with very fast curing



2-component PU adapter foam
For indoor and outdoor application

Characteristics

- › Can be cut after approx. 9 minutes
- › Braces can be removed after approx. 30 minutes
- › Can be fully loaded after approx. 3 hours
- › Foam capacity: up to 12 litres per 400ml can
- › 60dB sound insulation according to EN ISO 717-1
- › 0.026W/mK insulation value according to DIN 52612

Fields of application

- › Mounting and insulating of door and window frames made of wood, steel and plastic in masonry
- › Suitable for the mounting of wooden stairs
- › Suitable for mounting basins made of acrylic and steel (shower trays)
- › Joining of well and shaft rings in sewer manholes and domestic sewage treatment plants
- › For the bonding of polystyrene rigid foam panels as perimeter insulation according to DIN 4108-2

Standards and tests

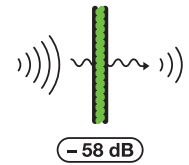
- › General building inspection certificate – normal inflammable building material (B2) according to DIN 4102-1
- › French VOC-emission class A+
- › EMICODE® EC 1^{PLUS} – very low emission

Packaging	400 ml aerosol can
	OP920-82
Packaging unit	12
Pieces per pallet	576

OP 930

OTTOPUR OP 930

The adapter foam with very good sound and heat insulation



1-component PU adapter foam
For indoor and outdoor application

Characteristics

- ▶ **Very good sound and heat insulation**
- ▶ **58 dB sound insulation according to EN ISO 717-1**
- ▶ **0.035 W/mK insulation value according to DIN 52612**
- ▶ Foam yield approx. 22/32l per 500/750ml can
- ▶ Can be cut after approx. 30 minutes
- ▶ Can be loaded after approx. 3-5 hours

Fields of application

- ▶ Mounting and insulation of window and door frames made of wood, steel or plastic in masonry
- ▶ Mounting and insulating of interior partition walls, window sills, etc.
- ▶ Filling of cavities of all types
- ▶ Joining of well and shaft rings in sewer manholes and domestic sewage treatment plants
- ▶ For the bonding of polystyrene rigid foam panels as perimeter insulation according to DIN 4108-2



Standards and tests

- ▶ General building inspection certificate: normal inflammable building material (class E according to DIN EN 13501-1)
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ French VOC-emission class A+

Packaging	500 ml aerosol can	750 ml aerosol can
	OP930-83	OP930-85
Packaging unit	12	12
Pieces per pallet	672	504



OP 950

OTTOPUR OP 950

SPECIAL

The flexible foam



1-component PU dosing foam
For indoor and outdoor application

Characteristics

- ▶ Permanent absorption of component movements
- ▶ Can be processed at temperatures down to -10 °C
- ▶ 63 dB sound insulation according to EN ISO 717-1
- ▶ 0.035 W/mK insulation value according to DIN 52612
- ▶ Foam yield approx. 44 l per 750 ml can
- ▶ Can be cut after approx. 35 minutes
- ▶ Can be loaded after approx. 12 hours

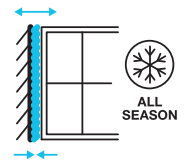
Fields of application

- ▶ Mounting and insulation of window and door frames made of wood, steel or plastic in masonry
- ▶ Filling and insulation of joints and cavities for roof extensions and roof insulations
- ▶ Foaming of small wall recesses, all types of cable passages and other cavities



Standards and tests

- ▶ General building inspection certificate – normal inflammable building material (B2) according to DIN 4102-1
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ French VOC-emission class A+



Packaging	750 ml aerosol can
	OP950-85
Packaging unit	12
Pieces per pallet	504

OTTO accessories

OTTO Dosing Gun X7	p. 147
OTTO Dosing Gun ULTRA	p. 147
OTTO Dosing Gun IPF with reducing set	p. 148

OTTO product tip

OTTOPUR Cleaner	p. 142
OTTO Cleaning wipes	p. 180

OTTOPUR OP960

SPECIAL

The B1 dosing foam



1-component PU dosing foam
For indoor and outdoor application

Characteristics

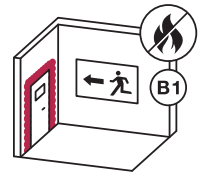
- ▶ **B1 – flame-resistance in accordance with DIN 4102 Part 1**
- ▶ Supports the smoke-tight installation of safety doors
- ▶ **60 dB sound insulation according to EN ISO 717-1**
- ▶ **0.036W/mK insulation value according to DIN 52612**
- ▶ Foam yield approx. 45l per 750ml can
- ▶ Can be cut after approx. 50 minutes
- ▶ Can be loaded after approx. 12 hours

Fields of application

- ▶ Window installation (for clean and controlled back-filling and insulating sealing of joints for windows and shutter casings)
- ▶ Filling of joints for door frames but not for mere assembly purposes without additional, mechanical fastening
- ▶ Foaming of small wall recesses, all types of cable passages and other cavities

Standards and tests

- ▶ General building supervisory test certificate in accordance with DIN 4102-1 B1
- ▶ EMICODE® EC 1^{PLUS} – very low emission
- ▶ French VOC-emission class A+



Packaging	750 ml aerosol can
Packaging unit	OP960-85
Pieces per pallet	12
	504

OTTO accessories

OTTO Dosing Gun X7	p. 147
OTTO Dosing Gun ULTRA	p. 147
OTTO Dosing Gun IPF with reducing set	p. 148

OTTO product tip

OTTOPUR Cleaner	p. 142
OTTO Cleaning wipes	p. 180

Smoothing agents



OTTO Smoothing Agent



Characteristics

- ▶ Aqueous solution of surface-active substances
- ▶ **Dermatologically tested ingredients**
- ▶ Does not dry out the skin
- ▶ **Dilutable with water;**
2 (smoothing agent) : 1 (water)
- ▶ Keeps the shine of the sealant surface intact
- ▶ Colouring pigments of the sealant are not washed off
- ▶ **Not suitable for marble and other natural stones**

Fields of application

- ▶ Smoothing of sealant surfaces including silicone, polyurethane and MS hybrid polymer sealants

Standards and tests

- ▶ Due to the results of the in-vivo compatibility test (test report of Institute Fresenius, 65232 Taunusstein, Germany) the OTTO Smoothing Agent is classified as harmless in terms of a potential skin irritating effect



Packaging	250 ml plastic bottle	1,000 ml plastic bottle	5 l plastic canister
	GL-52	GL-57	GL-59
Packaging unit	1	1	1
Pieces per pallet	–	–	90

Packaging	10 l plastic canister	60 l plastic drum	200 l plastic drum with tap hole ¹
	GL-61	GL-65	on request
Packaging unit	1	1	1
Pieces per pallet	30	6	2

¹ OTTO Drain cock 2" with venting (AERO FLOW) available separately



Additional useful information

The OTTO Smoothing Agent may be diluted with water.

Smoothing agent must not remain on the sealant joint and on adjacent surfaces, because dried residual sealant might cause optical impairments (dull/light spots).

As a matter of principle it is advisable to use the smoothing agent as sparingly as possible, for example by only slightly moistening the smoothing tools or applying the smoothing agent to the surface of the sealant with a clean paintbrush.

Residual smoothing agent must be removed using clear water before it dries.

Before use, preliminary tests should be carried out to ensure the compatibility with adjacent surfaces, for example different types of coated wood.

The dermatologically tested ingredients of the OTTO Smoothing Agent have been rated as "non irritating to the skin" by the Fresenius Institute, Taunusstein, Germany and do not, unlike washing-up liquids, dry out the skin. Nevertheless, hands should be washed and creamed after use.



OTTO accessories

- ¹ OTTO Drain cock 2" with venting (AERO-FLOW)

p. 178

OTTO Concentrated smoothing agent



Characteristics

- ▶ Aqueous solution of surface-active substances
- ▶ Suspension – homogenise before use
- ▶ Gentle on the skin due to dermatologically tested active ingredients
- ▶ Does not dry out the skin
- ▶ Concentrated, can be diluted with water individually depending on the sealant and use
- ▶ Keeps the shine of the sealant surface intact
- ▶ Colouring pigments of the sealant are not washed off
- ▶ Not suitable for marble and other natural stones

Packaging	1,000 ml plastic bottle	5l plastic canister
	GLK-57	GLK-59
Packaging unit	1	1
Pieces per pallet	–	90



Fields of application

- ▶ Smoothing of sealant surfaces including silicone, polyurethane and MS hybrid polymer sealants

OTTO Marble Silicone Smoothing Agent



Characteristics

- ▶ Aqueous solution of surface-active substances
- ▶ **Especially attuned to delicate marble and natural stone varieties**
- ▶ Reduces the risk of staining from smoothing agents to a minimum
- ▶ **Dermatologically tested ingredients**
- ▶ Does not dry out the skin
- ▶ Keeps the shine of the sealant surface intact
- ▶ Colouring pigments of the sealant are not washed off
- ▶ **Use in undiluted condition only**

Fields of application

- ▶ Smoothing of sealants in contact with natural stone



Standards and tests

- ▶ Due to the results of the in-vivo compatibility test (test report of Institute Fresenius, 65232 Taunusstein, Germany) the OTTO Smoothing Agent is classified as harmless in terms of a potential skin irritating effect



Packaging	250 ml plastic bottle	1,000 ml plastic bottle	5 l plastic canister
	GLM-52	GLM-57	GLM-59
Packaging unit	1	1	1
Pieces per pallet	–	–	90

Packaging	10 l plastic canister	60 l plastic drum	200 l plastic drum with tap hole ¹
	GLM-61	on request	on request
Packaging unit	1	1	1
Pieces per pallet	30	6	2

¹ OTTO Drain cock 2" with venting (AERO FLOW) available separately



Additional useful information

The OTTO Marble Silicone Smoothing Agent must always be used undiluted. The smoothing agent used should always be new and without impurities.

Smoothing agent must not remain on the sealant joint and on adjacent surfaces, because dried residual sealant might cause optical impairments (dull/light spots).

As a matter of principle it is advisable to use the smoothing agent as sparingly as possible, for example by only slightly moistening the smoothing tools or applying the smoothing agent to the surface of the sealant with a clean paintbrush.

Residual smoothing agent must be removed using clear water before it dries. Otherwise stains and discolouring can not be excluded completely due to the special consistency of natural stones.

When tooling off the matt finish with OTTO Marble Silicone Smoothing Agent – please be aware: The joint should be tooled off once, with a smoothing tool emmersed in OTTO Marble Silicone Smoothing Agent. Do not make too many repeat passes with the smoothing tool to avoid polishing the matt surface!

Nevertheless, owing to the unique character of natural stone, stains/discolourations cannot be ruled out completely. Because of this and the many possible influences during processing and application, we advise carrying out preliminary, object-related tests.

The dermatologically tested ingredients of the OTTO Smoothing Agent have been rated as "non irritating to the skin" by the Fresenius Institute, Taunusstein, Germany and do not, unlike washing-up liquids, dry out the skin. Nevertheless, hands should be washed and creamed after use.



OTTO accessories

¹ OTTO Drain cock 2" with venting (AERO-FLOW)

p. 178

OTTO Smoothing agent spray



Characteristics

- ▶ **Optimally tailored to hybrid sealants**
- ▶ Immediately ready for use
- ▶ **Refillable**
- ▶ Kind to the skin
- ▶ Does not dry out the skin
- ▶ Dermatologically tested ingredients
- ▶ Colouring pigments of the sealant are not washed off
- ▶ Not suitable for marble and other natural stones

Fields of application

- ▶ Smoothing of OTTO sealants (hybrid, PU, silicone sealants)
- ▶ Optimally tailored to hybrid sealants

Packaging	500 ml plastic spray bottle
	GLS-84
Packaging unit	12
Pieces per pallet	768

Accessory products



SIEN

OTTO SilOut

The silicone remover



Thixotropic paste

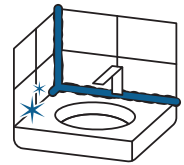
For indoor and outdoor application

Characteristics

- ▶ For removing of cured silicone sealants and adhesives
- ▶ Removes silicone from wood, masonry, plastering, concrete, glass, porcelain, metal and plastics
- ▶ Compatible with a very wide variety of substrates in structural engineering and window construction as well as for sanitary areas
- ▶ Application leads to silicone-free surfaces

Fields of application

- ▶ Removing silicone residues from joints and soiled surfaces



Packaging	300 ml cartridge
○ white	SIEN-03-C01
Packaging unit	20
Pieces per pallet	1200



Additional useful information

Apply OTTO SilOut liberally to the surface to be treated. The layer should be approx. 2 or 3 times the thickness of the silicone sealant to be removed (at least 5 mm). The application time is around 5 hours for a silicone layer of 0.5 mm and around 24 hours for a silicone layer of 2–3 mm. The reaction speed depends mainly on the layer thickness of the silicone mass to be removed as well as on the type of the cross-linking system and the composition and the properties of the silicone sealant.

The solvated silicone compound and the residues of OTTO SilOut must be **removed completely** using a tool suitable for the substrate (e. g. spatula) and then a cloth moistened with water before re-jointing. If necessary, the treatment has to be repeated using OTTO SilOut. Before re-jointing, all OTTO SilOut left-overs in the joint and in the joint base must be carefully removed. Left-overs of OTTO SilOut can be particularly damaging to newly applied joint sealant on narrow or deep joints or rough bases (e. g. masonry, plaster, edge insulation strips, etc.).

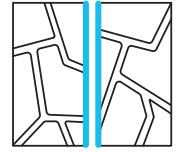
Allow the joint edges and base enough time to dry out properly before re-jointing. OTTO Cleaner T is suitable for cleaning the joints and the surfaces to be joined before re-jointing.



STEX

OTTO StainEx

The natural stone degreasing paste



Special solvent-based paste
For indoor and outdoor application

Characteristics

- ▶ Ready-to-use paste
- ▶ Easy processing
- ▶ Successful usage may avoid expensive refurbishment of natural stone

Fields of application

- ▶ To remove grease from marble and natural stone where unsuitable sealants have caused migratory staining around the edges of the joints

Packaging	310 ml cartridge
● beige	STEX-20-C1378
Packaging unit	12
Pieces per pallet	1248

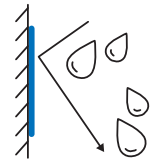


Additional useful information

OTTO StainEx eliminates migratory staining caused by unsuitable sealants and removes staining up to a depth of 2 cm. Please carry out a preliminary test to make sure that the grease stains can be removed with OTTO StainEx. Remove the sealant completely out of the joint. The edge joints should be dry when applying the paste. Don't use OTTO StainEx at base temperatures below +5 °C and above 20 °C. Put OTTO StainEx on the surface and spread it with a brush. Then apply OTTO StainEx again in order to achieve a layer thickness of at least 5 mm. After drying of the paste (at least 12 hours, paste has to be pulverised completely) sweep off the remaining solid parts with a broom or vacuum clean them. After cleaning no more dark stains should be visible. Remove remaining deeper stains by applying the paste a second or third time. Clean the joints afterwards and seal them with the natural stone silicone OTTOSEAL®.

OTTO Siloxan 290L

The silicone for surface impregnation



Oligomer siloxane in solvent
For outdoor application

Characteristics

- ▶ Ready-to-use silicone surface impregnation
- ▶ High penetration depth
- ▶ UV-resistant
- ▶ **Can also be applied on moist substrates (not rain-wet)**
- ▶ Forms a water- and dirt-repelling surface
- ▶ The hydrophobe effect prevents the penetration of moisture from the outside to the inside but it lets the internal moisture escape to the outside
- ▶ Bridges hair cracks up to a width of 0,3mm
- ▶ **Reduces the tendency of treated surfaces to pick up dirt**



- ▶ Avoids humidity in the construction material thus avoids salt efflorescence as well as moss and algae growth
- ▶ Paintable with commercial dispersion paints
- ▶ Low odour
- ▶ Colourless
- ▶ Slight deepening of colour is possible

Fields of application

- ▶ Hydrophobic treatment of façades and building components made of concrete, cellular concrete, fibre cement, brick-work, natural and artificial stone, mineralic plasters and coatings
- ▶ Drainage of moist and cracked surfaces, which are then painted using dispersion paints
- ▶ Only for vertical surfaces

Packaging	5l tin canister	10l tin canister	25l tin canister
colourless	SXN-58	SXN-60	SXN-62
Packaging unit	1	1	1
Pieces per pallet	82	50	24



Additional useful information

Hydrophobizing of façades results in greatly reduced water absorption, good UV-resistance and very good waterrepellent effect.

The ready-to-use solution can be applied directly by spraying or painting it on. The substrate should be fairly dry for this treatment.

Adjacent structural elements such as windows, doors, gutters etc. must be covered. Apply in two layers from top to bottom wet-on-wet. The hydrophobed façade is resistant to rain after approximately 24 hours.

The differences in water absorbency are significant:

	Water absorbency untreated	Water absorbency hydrophobed with OTTO Siloxan 290L
Concrete	3 %	0,8 %
Sandstone	5 %	0,2 %
Lime sandstone	13 %	0,8 %
Limestone	12 %	1,1 %
Clinker brick	3 %	0,1 %
Brick	18 %	0,1 %
Tufa	18 %	1,1 %
Mortar	7 %	1,2 %

Approx. average values depending on material quality

Primers/Cleaners



PR 1101

PR 1102

OTTO Cleanprimer 1101

The adhesion improver

Characteristics

- ▶ Cleanprimer to clean and improve the adhesion on coated and non-coated metallic substrates and various plastics (e.g. PVC)
- ▶ **Ventilation time not required**
- ▶ Free of toluol



OTTO Primer 1102

The sandstone primer

Characteristics

- ▶ Primer to improve adhesion of OTTOSEAL® S 70, S 80, S 117, S 130 and S 140 on sandstone
- ▶ Airing time at least 15 minutes (max. 3 hours)



Packaging	100ml aluminium bottle	250 ml aluminium bottle	1,000ml aluminium bottle	5l tin canister
	PR1101-50	PR1101-51	PR1101-55	PR1101-58
Packaging unit	15	15	5	1
Pieces per pallet	-	-	-	82

Packaging	100ml aluminium bottle	1,000ml aluminium bottle
	PR1102-50	PR1102-55
Packaging unit	15	5
Pieces per pallet	-	-

PR 1105

OTTO Primer 1105

The universal primer
for absorbent substrates

Characteristics

- ▶ Primer to improve adhesion on mineral and absorbent substrates (e.g. concrete, plaster, fibre cement etc.)
- ▶ Airing time at least 30 minutes (max. 3 hours)
- ▶ **Highly film forming**

Fields of application

- ▶ Barrier to alkaline surfaces
- ▶ Improves the adhesion of OTTO acrylic sealants on mineral materials (e.g. concrete, plaster, cellular concrete, fibre cement, gypsum), as well as on untreated wood and scumbles, on metallic substrates (e.g. anodic oxidation) and some plastics (e.g. PVC)
- ▶ Improves the adhesion properties of the 2-component PU foam OTTOPUR OP920 on heavily absorbent and silted up substrates



PR 1215

OTTO Primer 1215

The silicone primer
for absorbent substrates

Characteristics

- ▶ Primer to improve adhesion on mineral and absorbent substrates (e.g. concrete, plaster, fibre cement etc.)
- ▶ Airing time at least 15 minutes (max. 3 hours)
- ▶ Only for commercial users. Please observe the material safety data sheet.



Packaging	100 ml aluminium bottle	250 ml aluminium bottle	1,000 ml aluminium bottle
	PR1105-50	PR1105-51	PR1105-55
Packaging unit	15	15	5
Pieces per pallet	-	-	-

Packaging	100 ml aluminium bottle	250 ml aluminium bottle	1,000 ml aluminium bottle
	PR1215-50	PR1215-51	PR1215-55
Packaging unit	15	15	5
Pieces per pallet	-	-	-

PR 1216

PR 1217

OTTO Primer 1216

The primer for natural stone and metal

Characteristics

- ▶ Primer to improve the adhesion on natural stone, metallic materials and some plastics
- ▶ Ventilation time not required on smooth, non absorbent substrates
- ▶ Free of toluol

Fields of application

- ▶ Improves the adhesion of OTTO sealants on metallic materials (e. g. stainless steel, anodized aluminium, copper, galvanised steel and chrome) and coated metals (e. g. enamel, non-corrosive steel)
- ▶ Improves the adhesion of natural stone silicone S 70, S 80, S 117, S 130 and S 140 on marble and other natural stones, as well as on artificial stone and concrete block
- ▶ Improves the adhesion on some plastics (e. g. PVC) and on scumbles containing solvents

**OTTO Primer 1217**

The silicone plastic primer

Characteristics

- ▶ Primer to improve the adhesion on many plastics
- ▶ No airing time for smooth and non-absorbent substrates; otherwise at least 15 minutes/ max. 3 hours
- ▶ Only for commercial users. Please observe the material safety data sheet.



Packaging	100 ml aluminium bottle	250 ml aluminium bottle	1,000 ml aluminium bottle
	PR1216-50	PR1216-51	PR1216-55
Packaging unit	15	15	5
Pieces per pallet	-	-	-

Packaging	100 ml aluminium bottle	250 ml aluminium bottle	1,000 ml aluminium bottle
	PR1217-50	PR1217-51	PR1217-55
Packaging unit	15	15	5
Pieces per pallet	-	-	-

PR 1218

OTTO Primer 1218

The silicone primer for continuously wet conditions

Characteristics

- ▶ Primer to improve the adhesion on absorbent mineral substrates under continuously wet conditions
- ▶ Airing time at least 60 minutes
- ▶ Only for commercial users. Please observe the material safety data sheet.



Fields of application

- ▶ For the swimming pool silicone OTTOSEAL® S 18 on mineral materials (e. g. concrete, mortar, grout) and ceramic
- ▶ For the food and drinking water silicone OTTOSEAL® S 27 on unglazed ceramic surfaces
- ▶ For the premium natural stone silicone OTTOSEAL® S 70 and S 140
- ▶ Improves the adhesion of OTTOSEAL® M 350 on concrete and plaster



PR 1225

OTTO Primer 1225

The universal primer

Characteristics

- ▶ Primer to improve the adhesion on mineral, absorbent and some metallic substrates as well as some kinds of plastics
- ▶ Airing time at least 30 minutes (max. 3 hours)
- ▶ **Film-forming**
- ▶ Free of toluol



Packaging	100 ml aluminium bottle	250 ml aluminium bottle	1,000 ml aluminium bottle
	PR1218-50	PR1218-51	PR1218-55
Packaging unit	15	15	5
Pieces per pallet	-	-	-

Packaging	100 ml aluminium bottle	1,000 ml aluminium bottle
	PR1225-50	PR1225-55
Packaging unit	15	5
Pieces per pallet	-	-

PR 1226

PR 1227

OTTO Cleanprimer 1226

The universal cleanprimer

Characteristics

- › Cleans and improves the adhesion on non-absorbant substrates (metals, plastics, glass, etc.)
- › **Ventilation time not required**
- › Free of toluol

Fields of application

- › Improves the adhesion properties of the special silicone OTTOSEAL® S 54 on melted asphalt screed
- › Improves the adhesion of OTTOCOLL® S 81 on PVC



OTTO Primer 1227

The plastic primer

Characteristics

- › Primer to improve the adhesion on many plastics
- › Airing time at least 30 minutes (max. 3 hours)
- › Free of toluol



Packaging	100 ml aluminium bottle	1,000 ml aluminium bottle
	PR1226-50	PR1226-55
Packaging unit	15	5
Pieces per pallet	-	-

Packaging	100 ml aluminium bottle	1,000 ml aluminium bottle
	PR1227-50	PR1227-55
Packaging unit	15	5
Pieces per pallet	-	-

PR 1230

OTTO Primer 1230

The primer for improving of the paintability of silicone sealants with paints and varnishes

Characteristics

- ▶ Primer to improve the paintability of silicone sealants with paints and varnishes
- ▶ Ventilation time not required



Packaging	100 ml aluminium bottle	250 ml aluminium bottle
	PR1230-50	PR1230-51
Packaging unit	15	15
Pieces per pallet	-	-

REC

REF

OTTO Cleaner C

The profile-cleaner



Characteristics

- ▶ Cleaning of substrate before adhesion
- ▶ Very good cleaning and degreasing effect
- ▶ Dries quickly leaving no residue
- ▶ **Ventilation time not required**
- ▶ **Compatible with conventional powder coatings**

Fields of application

- ▶ Removing of dust, grease or oil films, residues of protection film, fresh PUR-foam and fresh sealant residues
- ▶ Removing of fresh PU- and Epoxi-residues on surfaces and working equipment
- ▶ Cleaning of aluminium profiles (plain, anodised aluminium or powder-coated)
- ▶ For the cleaning of many surfaces in plastic and metal processing areas

Packaging	1,000ml aluminium bottle
	REC-55
Packaging unit	5
Pieces per pallet	-

OTTO Cleaner F

The metal cleaner



Characteristics

- ▶ Cleaning metallic materials (plain or powder-coated) of non-cured OTTOCOLL® PU adhesive residues
- ▶ Very good cleaning and degreasing effect
- ▶ Dries quickly leaving no residue
- ▶ **Ventilation time not required**
- ▶ Pleasant odour
- ▶ **Compatible with conventional powder coatings**

Fields of application

- ▶ Removing grease or oil films on metallic substrates

OTTO accessories

1 OTTO Drain cock 2" with venting (AERO-FLOW)

p. 178

Packaging	100ml aluminium bottle	1,000ml aluminium bottle	5l tin canister
	REF-50	REF-55	REF-58
Packaging unit	15	5	1
Pieces per pallet	-	-	82

Packaging	10l tin canister	25l tin drum with tap hole 1	200l tin drum with tap holes 1
	REF-60	on request	on request
Packaging unit	1	1	1
Pieces per pallet	50	-	-

1 OTTO Drain cock 2" with venting (AERO FLOW) available separately

REMP

OTTO Cleaner MP

The equipment cleaner



Characteristics

- ▶ Removing of non-cured OTTOCOLL® PU adhesive residues on equipment, dosing equipment, hoses, valves etc.
- ▶ Very good cleaning and degreasing effect
- ▶ Dries quickly leaving no residue
- ▶ **Ventilation time not required**



RET

OTTO Cleaner T

The standard cleaner



Characteristics

- ▶ Cleaning glass, metals and some plastics such as PVC and polyester
- ▶ Very good cleaning and degreasing effect
- ▶ Dries quickly leaving no residue
- ▶ **Ventilation time not required**



Packaging	1,000 ml aluminium bottle	5 l tin canister	10 l tin canister
	REMP-55	on request	REMP-60
Packaging unit	5	1	1
Pieces per pallet	–	82	50

OTTO accessories

1 OTTO Drain cock 2" with venting (AERO-FLOW)

p. 178

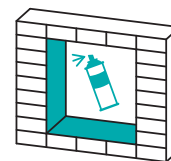
Packaging	100 ml aluminium bottle	250 ml aluminium bottle	1,000 ml aluminium bottle
	RET-50	RET-51	RET-55
Packaging unit	15	15	5
Pieces per pallet	–	–	–

Packaging	5 l tin canister	10 l tin canister	25 l tin drum with tap hole 1
	RET-58	RET-60	on request
Packaging unit	1	1	1
Pieces per pallet	82	50	–

1 OTTO Drain cock 2" with venting (AERO FLOW) available separately

OTTO Spray primer

The contact adhesive for installing the window tape



Contact adhesive for the pre-treatment of wall reveal

For indoor and outdoor application



Characteristics

- › Spray primer or contact adhesive with high adhesive strength
- › Fast-drying
- › Universally usable

Fields of application

- › Pre-treatment of the wall reveal for the OTTO window tapes
- › Bonding of EPDM rails

Container	Order unit (OU)	Packaging unit (PU)	Order code
500 ml aerosol can	1 piece	12 pieces	SPRÜHPR83



OTTO product tip

OTTO Window tape Vario

p. 182

OTTO Window tape Vario Duo

p. 183

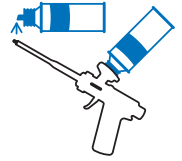


OPCLEAN

OTTOPUR Cleaner

SPECIAL

The gun cleaner



Solvent-based cleaning spray
For indoor and outdoor application

Characteristics

- › Very strong cleaning effect
- › Fitting screw-on adapter for all commonly used applicator guns
- › Can be used as a spray can

Fields of application

- › Cleaning of used dosing guns
- › To remove unhardened PU-foam residues



Packaging	500 ml aerosol can
	OPCLEAN-83
Packaging unit	12
Pieces per pallet	672



Guns



HPS-4T**OTTO Accumulator Gun
Type HPS-4T****Characteristics**

- › For aluminium foil bags up to 400ml and for 280/290/300/310ml cartridges
- › Includes 2 Li-Ion batteries, 10.8 volts/1.5Ah
- › Quick charger with state of charge indicator (charge time approx. 40 minutes)
- › The return stop prevents the cartridge and bag from overflowing
- › Including professional pressure disc, white, for the complete emptying of the cartridge
- › Securely packaged in a durable transport case
- › Conform to RoHS
- › CE-compliant


OTTO accessories

Accessories for OTTO Accumulator Gun type HPS-4T/-6T	p. 145
OTTO Li-Ion battery 10,8 volt/1,5Ah	
Accessories for OTTO Accumulator Gun type HPS-4T/-6T	p. 145
OTTO Car charger Li-Ion 12 volt	
Accessories for OTTO Accumulator Gun type HPS-4T/-6T	p. 146
OTTO Quick charger with charge indicator	
OTTO Nozzle no. 163	p. 170
OTTO Nozzle for foil bags standard 120mm	p. 171
OTTO Nozzle for foil bags long 150mm	p. 171

Order unit (OU)

1 piece

Order code

HPS-4T

HPS-6T**OTTO Accumulator Gun
Type HPS-6T****Characteristics**

- › For aluminium foil bags up to 600ml and for 280/290/300/310ml cartridges
- › Includes 2 Li-Ion batteries, 10.8 volts/1.5Ah
- › Quick charger with state of charge indicator (charge time approx. 40 minutes)
- › Including 2-piece professional pressure disc, white, for the complete emptying of film bags
- › The return stop prevents the cartridge and bag from overflowing
- › Securely packaged in a durable transport case
- › Conform to RoHS
- › CE-compliant


OTTO accessories

Accessories for OTTO Accumulator Gun type HPS-4T/-6T	p. 145
OTTO Li-Ion battery 10,8 volt/1,5Ah	
Accessories for OTTO Accumulator Gun type HPS-4T/-6T	p. 145
OTTO Car charger Li-Ion 12 volt	
Accessories for OTTO Accumulator Gun type HPS-4T/-6T	p. 146
OTTO Quick charger with charge indicator	
OTTO Nozzle no. 163	p. 170
OTTO Nozzle for foil bags standard 120mm	p. 171
OTTO Nozzle for foil bags long 150mm	p. 171

Order unit (OU)

1 piece

Order code

HPS-6T

AKKU-HPS

LADE-12VOLT

Accessories for OTTO Accumulator Gun type HPS-4T/-6T OTTO Li-Ion battery 10,8 volt/1,5Ah



Characteristics

- › Replacement battery with 10.8V Li-Ion 1.5Ah for OTTO accumulator gun type HPS-4T/-6T
- › Compatible with OTTO quick charger with charge indicator and 30 min. charge duration
- › Compatible with OTTO car charger Li-Ion 12 volt
- › Conform to RoHS

Standards and tests

- › CE marked

Order unit (OU)

1 piece

Order code

AKKU-HPS

Accessories for OTTO Accumulator Gun type HPS-4T/-6T OTTO Car charger Li-Ion 12 volt



Characteristics

- › Charger for 10.8V Li-Ion battery with charge display and 12V car adapter
- › Input: 12V, 65W
- › Output: 10.8V, 2.3A
- › Conform to RoHS

Standards and tests

- › CE marked

Order unit (OU)

1 piece

Order code

LADE-12VOLT

LADE-HPS

Accessories for OTTO Accumulator Gun type HPS-4T/-6T OTTO Quick charger with charge indicator



Characteristics

- ▶ Quick charging station for Li-Ion battery with 10.8V
- ▶ Quick charging station with 30 minutes charging time
- ▶ Conform to RoHS

Standards and tests

- ▶ CE marked

Order unit (OU)

1 piece

Order code

LADE-HPS

2KAP400

OTTO Accumulator Gun 2K AP 400



Characteristics

- ▶ Powerful accumulator gun for 2-component products
- ▶ Specifically for using 490ml side-by-side plastic cartridges with a mixing ratio of 10:1 in the MIXPACT™ C-, F- and BlueLine system or ACF system
- ▶ Includes 2 Li-Ion batteries, 18 volts/2.0Ah with state of charge indicator
- ▶ Quick charger with state of charge indicator (charge time approx. 30 minutes)
- ▶ Practical side loader in a lightweight skeleton design with exchangeable retaining bridges to securely hold the cartridge systems
- ▶ Exchangeable plunger for other mixing ratios (1:1, 2:1, 4:1 and 10:1)
- ▶ Securely packaged in a durable transport case
- ▶ Conform to RoHS
- ▶ CE-compliant

Standards and tests

- ▶ Machinery Directive: 2006/42/EC
- ▶ EMV guideline: 2014/30/EU
- ▶ RoHS directive 2011/65/EU
- ▶ Applied standards for these guidelines can be found in the declaration of conformity at the end of the operating instructions

Order unit (OU)

1 piece

Order code

2KAP400

X7

ULTRA

OTTO Dosing Gun X7



Characteristics

- › High-quality professional gun, non-stick coated
- › Durability with optimised dosage adapter
- › Dosing gun for processing 1-component dosing foam OTTOPUR OP910, OTTOPUR OP915, OTTOPUR OP950, OTTOPUR OP960
- › Light, precise dosage needle alignment with end stop function
- › Rubber handle and trigger
- › Including 2 tubes for dosing gun, length: 200mm; 2 tips Ø = 4 mm for dosing gun, length: 48mm; 2 fine nozzles Ø = 4 mm for dosing gun, length: 100mm
- › No spare part service

OTTO Dosing Gun ULTRA



Characteristics

- › Plastic dosing gun
- › Dosing gun for processing 1-component dosing foam OTTOPUR OP910, OTTOPUR OP915, OTTOPUR OP950, OTTOPUR OP960
- › No spare part service

OTTO product tip

OTTOPUR Cleaner
OTTO Cleaning wipes

p. 142
p. 180

Order unit (OU)

1 piece

Order code

X7

OTTO product tip

OTTOPUR Cleaner
OTTO Cleaning wipes

p. 142
p. 180

Order unit (OU)

1 piece

Order code

ULTRA

IPF

OTTO Dosing Gun IPF with reducing set



Characteristics

- › Robust and durable dosing gun made of synthetic material
- › Professional quality
- › Dosing gun for processing 1-component dosing foam OTTOPUR OP910, OTTOPUR OP915, OTTOPUR OP950, OTTOPUR OP960
- › Including reducing set, consisting of:
 - 2 reducing needles with $\varnothing = 1 \text{ mm}$,
 - 2 reducing needles with $\varnothing = 1.5 \text{ mm}$,
 - 2 reducing needles with $\varnothing = 2 \text{ mm}$,
 - 2 dosing tip size $\varnothing = 2 \text{ mm}$ (each interior diameters)
- › No spare part service



OTTO accessories

OTTO Reducing set for dosing gun IPF

p. 148



OTTO product tip

OTTOPUR Cleaner

p. 142

OTTO Cleaning wipes

p. 180

Order unit (OU)

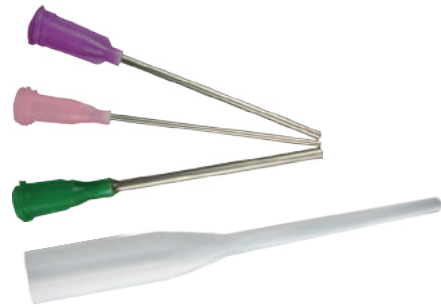
Order code

1 piece

IPF

NADELN

OTTO Reducing set for dosing gun IPF



Characteristics

- › Consists of 2x3 needles and 2 dosage tips
- › Sizes reducing needles: 1 mm, 1,5 mm, 2 mm (each interior diameters)
- › Dosage tips in one size: 2 mm (interior diameter)

Order unit (OU)

Order code

1 piece

NADELN

P310SR

P400KB-2

OTTO Compressed Air Gun P310 SR



Characteristics

- ▶ Compressed air gun with hose mandrel, pin, pressure regulating valve and without driving rod
- ▶ For all 290/300/310ml cartridges
- ▶ Maximum working pressure: 10 bar

OTTO Compressed Air Gun P400 KB-2



Characteristics

- ▶ Compressed air gun with optimum centre of gravity
- ▶ Aluminium tube with fast-release fastener for up to 400ml aluminium foil bag and for 290/300/310ml cartridges
- ▶ Continuously adjustable pressure regulation valve with plug nipple (EU)
- ▶ Maximum working pressure: 5 bar

Order unit (OU)

1 piece

Order code

P310SR

Order unit (OU)

1 piece

Order code

P400KB2

P 600 B-2**OTTO Compressed Air Gun
P 600 B-2****Characteristics**

- ▶ Compressed air gun with optimum centre of gravity
- ▶ Aluminium tube with fast-release fastener for up to 600ml aluminium foil bag
- ▶ Not suitable for cartridge use
- ▶ Continuously adjustable pressure regulation valve with plug nipple (EU)
- ▶ Maximum working pressure: 5 bar

Order unit (OU)

1 piece

Order code

P600B2

P 2x310**OTTO Compressed Air Gun
P 2x310****Characteristics**

- ▶ Compressed air gun for the use of twin cartridges 2x190ml and 2x310ml with a mixture ratio of 1:1
- ▶ Infinitely adjustable pressure regulation in handle
- ▶ EU plug connection (fast-action coupling)
- ▶ One-hand operation, thus it is possible to regulate the dosing speed even during operation

Order unit (OU)

1 piece

Order code

P2x310

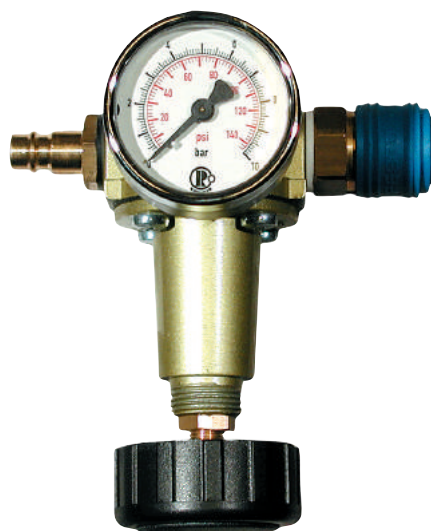
OTTO Compressed Air Gun P 490 DP2X



Characteristics

- ▶ Compressed air gun for the use of side-by-side cartridges 490 ml (Sulzer C, F and BlueLine System) with mixing ratio of 10:1
- ▶ Special pistol for increased product discharge
- ▶ With continuously variable adjustable pressure control valve and quick-locking coupling (EU plug connection)
- ▶ Recommended working pressure: 5 bar

OTTO Pressure regulating valve



Characteristics

- ▶ Simple and economical pressure reducer. Standard model with pressure gauge. Suitable for all compressed air guns

Order unit (OU)

1 piece

Order code

P490DP2X

Order unit (OU)

1 piece

Order code

VENTIL

SKELETT

H 17

OTTO Skeleton Gun



Characteristics

- › Stable skeleton gun for 280/290/300/310 ml cartridges
- › With hardened driving rod and ladder hook
- › For medium to low-viscose acrylates, hybrids, polyurethanes and silicones
- › Permanent overrun and end stop
- › With tip cleaner in the handle
- › Transmission ratio 7:1
- › No spare part service

OTTO Hand-operated Gun H 17



Characteristics

- › Economical hand-operated gun with rotating shell for 280/290/300/310 ml cartridges
- › Thrust and drive parts with special alloy, corrosion-resistant
- › Rubber handle and trigger
- › Increased compressive strength of the thrust mechanism with smooth driving rod and ladder hook
- › For medium to high-viscose acrylates, hybrids, polyurethanes and silicones
- › Transmission ratio 17:1
- › No spare part service

Order unit (OU)

1 piece

Order code

SKELETT

Order unit (OU)

1 piece

Order code

H17

H27

H37

OTTO Hand-operated Gun H27



Characteristics

- Variable hand-operated gun with switchable transmission ratio from 12:1 to 25:1
- Rotating shell for 280/290/300/310ml cartridges
- Thrust and drive parts with special alloy, corrosion-resistant
- Extremely durable thrust block
- Rubber handle and trigger
- Increased compressive strength of the thrust mechanism with smooth driving rod and ladder hook
- For low, medium and high viscosity acrylics, hybrids, polyurethanes and silicones
- Overrun stop can be switched on and off
- No spare part service

Order unit (OU)

1 piece

Order code

H27

OTTO Hand-operated Gun H37



Characteristics

- Heavy-duty hand-operated gun made from highly impact-resistant plastic
- Low weight
- With closer for sliding sleeve and smooth driving rod for 290/300/310ml cartridges
- For medium to high-viscose acrylates, hybrids, polyurethanes and silicones
- Transmission ratio approx. 18:1

Order unit (OU)

1 piece

Order code

H37

H40**OTTO Hand-operated Gun
H40****Characteristics**

- Hand-operated gun for rigorous continuous use
- Half-shell, professional quality device
- For 280/290/300/310ml cartridges
- With hardened, smooth driving rod
- For medium to high-viscose acrylates, hybrids, polyurethanes and silicones
- Transmission ratio 18:1

Order unit (OU)

1 piece

Order code

H40

H245**OTTO Hand-operated Gun
H245****Characteristics**

- Hand-operated gun with a press capacity of 5 kN for 280/290/300/310 ml cartridges
- Ideal for co-axial cartridge system
- U-shaped top loader made from fibreglass-reinforced nylon
- Single-handed lock release
- For high-viscose hybrids, polyurethanes and silicones
- Transmission ratio 26:1
- No spare part service

Order unit (OU)

1 piece

Order code

H245

H 400

H 400 H3P

OTTO Hand-operated Gun H 400



Characteristics

- › Hand-operated gun with rotatable aluminium cylinder
- › For aluminium foil bags up to 400ml and for 280/290/300/310ml cartridges
- › Professional quality
- › For medium to high-viscose acrylates, hybrids, polyurethanes and silicones
- › Increased compressive strength of the thrust mechanism with smooth driving rod and ladder hook
- › Transmission ratio 17:1
- › Strong thrust block
- › Rubber handle and trigger
- › Union nuts made of aluminium
- › Professional thrust plate for complete emptying of the bag
- › No spare part service

Order unit (OU)

1 piece

Order code

H400

OTTO Hand-operated Gun H 400 H3P



Characteristics

- › Hand-operated gun with aluminium cylinder
- › For aluminium foil bags up to 400ml and for 280/290/300/310ml cartridges
- › Durable, professional quality
- › For medium to high-viscose acrylates, hybrids, polyurethanes and silicones
- › Transmission ratio 18:1

Order unit (OU)

1 piece

Order code

H400H3P

H 600**OTTO Hand-operated Gun
H 600****Characteristics**

- › Hand-operated gun with rotatable aluminium cylinder
- › For aluminium foil bags up to 600 ml and for 280/290/300/310 ml cartridges
- › Professional quality
- › For medium to high-viscose acrylates, hybrids, polyurethanes and silicones
- › Increased compressive strength of the thrust mechanism with smooth driving rod and ladder hook
- › Transmission ratio 17:1
- › Strong thrust block
- › Rubber handle and trigger
- › Union nuts made of aluminium
- › Professional thrust plate for complete emptying of the bag
- › No spare part service

Order unit (OU)

1 piece

Order code

H600

H 600 H2P**OTTO Hand-operated Gun
H 600 H2P****Characteristics**

- › Hand-operated gun with aluminium cylinder
- › For aluminium foil bags up to 600 ml and for 280/290/300/310 ml cartridges
- › Durable, professional quality
- › For medium to high-viscose acrylates, hybrids, polyurethanes and silicones
- › Transmission ratio 18:1

Order unit (OU)

1 piece

Order code

H600H2P

H 248

GIGA 490

OTTO Hand-operated Gun 2K H248



Characteristics

- Hand-operated gun for the processing of 2-component PU door frame foam OTTOPUR Turbo 2x105 ml
- U-shaped top loader made from fibreglass-reinforced nylon
- Single-handed lock release
- Balanced handle
- Transmission ratio 26:1
- No spare part service

OTTO Hand-operated Gun Gigapress Duo 490



Characteristics

- Robust hand-operated gun for the processing of 2-component side-by-side cartridges 490 ml (Sulzer F system and BlueLine) in the mixing ratio 10:1
- Side-loaded half-shell made from aluminium
- Single-handed lock release
- Transmission ratio 35:1
- For high-viscose 2-component hybrids and 2-component silicones
- No spare part service

Order unit (OU)

1 piece

Order code

H248

Order unit (OU)

1 piece

Order code

GIGA490

H293

OTTO Hand-operated Gun 2K H293



Characteristics

- › Hand-operated gun for the processing of double cartridges 2x 190 ml or 2x 310 ml in the mixing ratio of 1:1
- › U-shaped top loader made from fibreglass-reinforced nylon
- › Drip protection thanks to single-handed brake in the balanced handle
- › Long service life thanks to the adjustment screw for readjustment purposes
- › For medium to highly viscose 2-component hybrids and 2-component polyurethanes
- › Transmission ratio 26:1
- › No spare part service

Order unit (OU)

Order code

1 piece

H293

Processing tools/ Accessories



BOYGROSS

OTTO Fugenboy large



Characteristics

- ▶ Highly flexible smoothing tool for professionals
- ▶ Sizes: 11 mm, 14 mm, 17 mm

BOYKLEIN

OTTO Fugenboy small



Characteristics

- ▶ Highly flexible smoothing tool for professionals
- ▶ Sizes: 5 mm, 8 mm, round

Order unit (OU)

1 piece

Order code

BOYGROSS

Order unit (OU)

1 piece

Order code

BOYKLEIN

FIX

SPACHT

OTTO Glättfix



Silicon spatula

Characteristics

- › Dimensions approx. 8,5x4 cm

OTTO Smoothing tool



Characteristics

- › Dimensions approx. 100x100x6 mm
- › Optimum external contour with all-round scanning edges
- › Exterior corners with additional brackets for sealing window panes (2x90°, 15° and 20°)
- › The material of the smoothing tool can be cut and sanded to match the individual processing requirements
- › Resistant to the chemicals used for elastic jointing

Order unit (OU)

1 piece

Order code

FIX

Order unit (OU)

1 piece

Order code

SPACHT

FUXSANI

OTTO Fugenfux®, set of 4 for sanitary and floor joints



Characteristics

- › Smoothing tool made from special plastic for the professional formation of joints in the area of floor, sanitary, tile and natural stone
- › Sizes: 6,3mm, 8,3mm, 10,0mm, round

Order unit (OU)

1 piece

Order code

FUXSANI

FUXANSCHLUSS

OTTO Fugenfux®, set of 4 for connection joints



Characteristics

- › Smoothing tool made from special plastic for the professional formation of joints in the area of (structural) connection
- › Sizes: 2x13mm and 2x17mm

Order unit (OU)

1 piece

Order code

FUXANSCHLUSS

OTTO Fugenfux® Multitool



Characteristics

- › Smoothing tool made from special plastic for the professional formation of joints in the area of floor, sanitary, tile and natural stone
- › Sizes: 6,3mm, 8,3mm, 10,0mm, round



TEIGGROSS

OTTO Scraper large



Characteristics

› Size approx. 28cm

TEIGKLEIN

OTTO Scraper small



Characteristics

› Size approx. 25cm

Order unit (OU)

1 piece

Order code

TEIGGROSS

Order unit (OU)

1 piece

Order code

TEIGKLEIN

V-KAPPE

W-STÜCK

OTTO Screw cap for cartridge



Characteristics

› For 290/300/310ml cartridges

OTTO Corner piece



Characteristics

› For 290/300/310ml cartridges

Order unit (OU)

1 piece

Order code

V-KAPPE

Order unit (OU)

1 piece

Order code

W-STÜCK

DÜSE-STA107

OTTO Standard nozzle for cartridges 107 mm



Characteristics

› Nozzles for 290/300/310 ml cartridges

DÜSE-STR105

OTTO Nozzle with supporting rim 105 mm



Characteristics

› Nozzles for 290/300/310 ml cartridges

Order unit (OU)

1 piece

Order code

DÜSE-STA107

Order unit (OU)

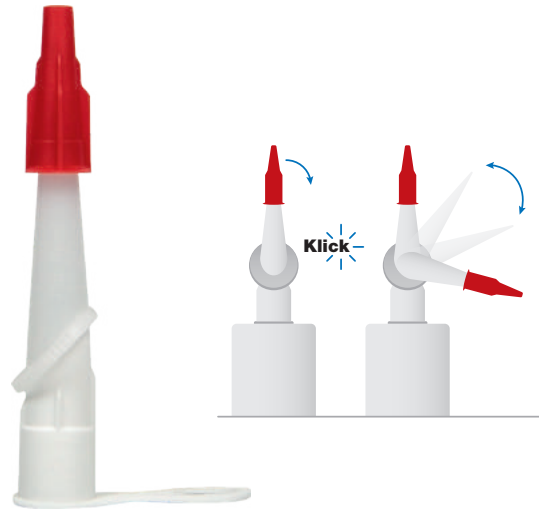
1 piece

Order code

DÜSE-STR105

DÜSE-STR175**DÜSE-DREH****OTTO Nozzle
with supporting rim 175 mm****Characteristics**

- ▶ Nozzles for 290/300/310 ml cartridges

**OTTO cartridge nozzle,
rotatable****Characteristics**

- ▶ Nozzles for 290/300/310 ml cartridges
- ▶ Nozzles rotatable by 360°

Order unit (OU)

1 piece

Order code

DÜSE-STR175

Order unit (OU)

5 pieces

Order code

DÜSE-DREH

CLIP

OTTO Clip nozzle transparent without cap



Characteristics

› Clip nozzles for 290/300/310ml cartridges

CLIPKAPPE

OTTO Clip nozzle transparent with cap



Characteristics

› Clip nozzles for 290/300/310ml cartridges

Order unit (OU)

1 piece

Order code

CLIP

Order unit (OU)

1 piece

Order code

CLIPKAPPE

DÜSE-V-NAHT**DÜSE-FLACH****OTTO V-joint nozzle****OTTO Flat fishtail nozzle****Characteristics**

- ▶ Nozzles for 290/300/310ml cartridges

**Characteristics**

- ▶ Nozzles for 290/300/310ml cartridges
- ▶ Size of the application opening:
width 40 mm x height 2 mm

Order unit (OU)

10 pieces

Order code

DÜSE-V-NAHT

Order unit (OU)

10 pieces

Order code

DÜSE-FLACH

DÜSE-163**OTTO Nozzle no. 163****Characteristics**

- ▶ Nozzle for 400/580/600ml aluminium foil bag
- ▶ For OTTO hand-operated guns H 400 and H 600
- ▶ For OTTO hand-operated guns H 400 H3P and H 600 H2P
- ▶ For OTTO compressed air guns P 400 KB-2 and P 600 B-2
- ▶ For OTTO accumulator gun type HPS-4T and HPS-6T
- ▶ Inner Ø = 2,75 – 21 mm
- ▶ Length: 140mm

Order unit (OU)

1 piece

Order code

DÜSE-163

DÜSE-KURZALU**OTTO nozzle short
for 1,000ml aluminium cartridge****Characteristics**

- ▶ Nozzle for 1,000ml aluminium cartridges

Order unit (OU)

1 piece

Order code

DÜSE-KURZALU

DÜSE-FB120

DÜSE-FB150

OTTO Nozzle for foil bags standard 120 mm

OTTO Nozzle for foil bags long 150 mm



Characteristics

› Nozzle for 400/580/600ml aluminium foil bag



Characteristics

› Nozzle for 400/580/600ml aluminium foil bag

Order unit (OU)

Order code

1 piece

DÜSE-FB120

Order unit (OU)

Order code

1 piece

DÜSE-FB150

D-HALTER-MK1**OTTO Nozzle holder MK1****Characteristics**

- › Nozzle holder for 400/580/600ml aluminium foil bags
- › Is necessary when using nozzle MK5 (white or grey)
- › Required for the use of the MK1 adapter for cartridge nozzles
- › For OTTO hand-operated guns H400 H3P and H600 H2P
- › For OTTO accumulator gun type HPS-4T and HPS-6T

**Additional useful information****For the following products:**

OTTO MK 1-adapter for cartridge nozzles	p. 172
OTTO Nozzle MK5 white	p. 173
OTTO Nozzle MK5 grey	p. 173

Order unit (OU)

1 piece

Order code

D-HALTER-MK1

MK1-ADAPTER**OTTO MK 1-adapter for cartridge nozzles****Characteristics**

- › Adapter for the use of cartridge nozzles for 400/580/600ml aluminium foil bags
- › Nozzle holder MK1 also necessary

**OTTO accessories**

OTTO Standard nozzle for cartridges 107 mm	p. 166
OTTO Nozzle with supporting rim 105 mm	p. 166
OTTO Nozzle with supporting rim 175 mm	p. 167
OTTO cartridge nozzle, rotatable	p. 167
OTTO Clip nozzle transparent without cap	p. 168
OTTO Clip nozzle transparent with cap	p. 168
OTTO V-joint nozzle	p. 169
OTTO Flat fishtail nozzle	p. 169
OTTO Nozzle holder MK1	p. 172

Order unit (OU)

1 piece

Order code

MK1-ADAPTER

DÜSE-MK5-C01**DÜSE-MK5-C02****OTTO Nozzle MK5 white****OTTO Nozzle MK5 grey****Characteristics**

- ▶ Nozzle for wide joints for 400/580/600ml aluminium foil bags
- ▶ Additionally needed nozzle holder MK 1
- ▶ Inner Ø = 6 – 22 mm
- ▶ Length: 104 mm

**Characteristics**

- ▶ Nozzle for wide joints for 400/580/600ml aluminium foil bags
- ▶ Additionally needed nozzle holder MK 1
- ▶ Inner Ø = 0 – 22 mm
- ▶ Length: 106 mm

**OTTO accessories**

OTTO Nozzle holder MK1

p. 172

Order unit (OU)

1 piece

Order code

DÜSE-MK5-C01

**OTTO accessories**

OTTO Nozzle holder MK1

p. 172

Order unit (OU)

1 piece

Order code

DÜSE-MK5-C02

MFHX 13-18T

OTTO Static mixing nozzle MFHX 13-18T

for side-by-side cartridges



Characteristics

- › Static mixing nozzles for the processing of 2-component hybrid products
- › System 10:1, Mixpac F-System connection
- › With stepped tip, inner $\varnothing = 4 \text{ mm}$
- › Length: 225 mm

MFQX 5-24L

OTTO Static mixing nozzle MFQX 5-24L

for side-by-side cartridges



Characteristics

- › Static mixing nozzles for the processing of 2-component silicone products
- › System 10:1, Mixpac F-System connection
- › 24 mixing elements, with straight tip, inner $\varnothing = 1.8 \text{ mm}$
- › Length: 122 mm
- › Processing only with compressed air gun

Order unit (OU)

1 piece

Order code

MFHX 13-18T

Order unit (OU)

1 piece

Order code

MFQX 5-24L

MFQX 10-24T**KWM 10****OTTO Static mixing nozzle
MFQX 10-24T**

for side-by-side cartridges

**Characteristics**

- ▶ Static mixing nozzles for the processing of 2-component silicone products
- ▶ System 10:1, Mixpac F-System connection
- ▶ 24 mixing elements, with stepped tip
- ▶ Length: 170 mm

**OTTO Static mixing nozzle
KWM 10**

for twin cartridges

**Characteristics**

- ▶ Static mixing nozzles for processing of our OTTOCOLL® P520 SP5276
- ▶ System 1:1, cup connection with internal thread
- ▶ 10 mixing elements
- ▶ Inner Ø = 5,8mm
- ▶ Length: 217 mm, with scale for shortening every 15 mm

Order unit (OU)

1 piece

Order code

MFQX 10-24T

Order unit (OU)

1 piece

Order code

KWM 10

KWM 18K**OTTO Static mixing nozzle
KWM 18K**

for twin cartridges

**Characteristics**

- ▶ Static mixing nozzles for the processing of our OTTOCOLL® P 520, its SP versions, OTTOCOLL® P 525 and OTTOCOLL® M 580
- ▶ System 1:1, cup connection with internal thread
- ▶ 18 mixing elements
- ▶ Conical tip, inner Ø = 3 mm
- ▶ Length: 217 mm

MGQ 10-19D**OTTO Static mixing nozzle
MGQ 10-19D**

for twin cartridges

**Characteristics**

- ▶ Static mixing nozzles for the processing of our OTTOCOLL® M 580
- ▶ System 1:1, cup connection with internal thread
- ▶ 19 mixing elements, green with wall, with straight tip, inner Ø = 5 mm
- ▶ Length: 157 mm

Order unit (OU)

1 piece

Order code

KWM 18K

Order unit (OU)

1 piece

Order code

MGQ 10-19D

RWM 14G**MISCHER-TURBO****OTTO Static mixing nozzle
RWM 14G**

for twin cartridges

**Characteristics**

- › Static mixing nozzles for the processing of our OTTOCOLL® P 520 and its SP versions
- › System 1:1, cup connection with internal thread
- › 14 mixing elements, black
- › Inner Ø = 6,8 mm
- › Length: 214 mm, with scale for shortening every 10 mm

**OTTO Static mixing nozzles
2-component PU**

for twin cartridges

**Characteristics**

- › Static mixing nozzles for the processing of our OTTOPUR Turbo
- › System 1:1
- › 24 mixing elements, transparent
- › Inner Ø = 5 mm
- › Length: 230 mm

Order unit (OU)

1 piece

Order code

RWM 14G

Order unit (OU)

1 piece

Order code

MISCHER-TURBO

GEWINDE

OTTO Screw-on adapter for static mixing nozzle MFQX 10-24T + MGQ 10-16D + MGQ 10-19D



Characteristics

- ▶ Adapter with internal thread for screwing onto graded and straight tip of OTTO static mixing nozzles MFQX 10-24T, MGQ 10-16D, MGQ 10-19D and external thread for OTTO standard cartridge nozzle 107 mm or OTTO Flat fishtail nozzle

Order unit (OU)

1 piece

25 pieces

Order code

GEWINDE-1

GEWINDE-25

HAHN

OTTO Drain cock 2" with venting (AERO-FLOW)



Characteristics

- ▶ For 30, 50 and 200 litre drum with tap hole
- ▶ For a 25l tin drum with tap hole

Order unit (OU)

1 piece

Order code

HAHN

OTTO Cartridge cutter



Characteristics

- ▶ For cutting nozzles and the threaded nipples of cartridges
- ▶ Blade is stainless and replaceable
- ▶ Dimensions approx. 13x4 cm

OTTO Spare blade for cartridge cutter



Order unit (OU)

1 piece

Order code

SCHNEIDER

Order unit (OU)

1 piece

Order code

KLINGE

TUCH

OTTO Cleaning wipes



Special cleaning wipes made of lint-free material

Characteristics

- ▶ Very robust, lint-free wipe
- ▶ Strong cleaning effect
- ▶ Kind to the skin
- ▶ Pleasantly fresh smell
- ▶ Resealable dispenser bucket
- ▶ Dimensions of the wipes: 25x25 cm
- ▶ Contents per bucket: 72 wipes

Fields of application

- ▶ For removing unhardened PU-foam, adhesive and sealant residues from all surfaces

Order unit (OU)	Units per packaging unit	Pieces per pallet	Order code
1 pail à 72 wipes	6 pail à 72 wipes	120	TUCH

STÄNDER

OTTO Cartridge stand



Characteristics

- ▶ Can hold 8x13 = 104 cartridges
- ▶ Dimensions 48x62x42 cm (BxHxT)
- ▶ Offers two areas to place advertising stickers
- ▶ Suited also for cartridges with clipped nozzles

Fields of application

- ▶ Presentation of OTTO cartridges in sales areas, on counters and on shelves

Order unit (OU)	Order code
1 piece	STÄNDER

Tapes/Back-up foam rods



BAB-V**OTTO Window tape Vario**

The window tape for RAL assembly

**Standards and tests**

› Complies with the guidelines of RAL assembly

Width	Order unit (OU)	Packaging unit (PU)	Order code
75 mm	1 roll, each 50m	5 rolls, each 50m	BAB-V-75
100 mm	1 roll, each 50m	4 rolls, each 50m	BAB-V-100
150 mm	1 roll, each 50m	2 rolls, each 50m	BAB-V-150

**OTTO product tip**

OTTOSEAL® M360
 OTTOSEAL® M361
 OTTO Spray primer

p. 31
 p. 32
 p. 141



Fabric reinforced tape with alternate self-bonding to the frame

For indoor and outdoor application

Characteristics

- › Good flexibility
- › Variable humidity fabric
- › Can be covered with plaster
- › Alkali-resistant

Fields of application

- › Structural connection according to the window and door mounting regulations
- › For sealing of joints around windows and doors indoors and in exterior areas
- › Levelling of irregularities by bonding with OTTOSEAL® M360
- › Suitable for use with OTTOPUR PU foams

OTTO Window tape Vario Duo

The full-surface, self-adhesive window tape for RAL assembly



Standards and tests

› Complies with the guidelines of RAL assembly

Width	Order unit (OU)	Packaging unit (PU)	Order code
75 mm	1 roll, each 50m	5 rolls, each 50m	BAB-VD-75
100 mm	1 roll, each 50m	4 rolls, each 50m	BAB-VD-100
150 mm	1 roll, each 50m	2 rolls, each 50m	BAB-VD-150



OTTO product tip

OTTOSEAL® M360
OTTOSEAL® M361
OTTO Spray primer

p. 31

p. 32

p. 141



Fabric reinforced tape with alternate self-bonding to the frame and full-surface bonding to the reveal

For indoor and outdoor application

Characteristics

- › Good flexibility
- › Variable humidity fabric
- › Can be covered with plaster
- › Alkali-resistant

Fields of application

- › Structural connection according to the window and door mounting regulations
- › For sealing of joints around windows and doors indoors and in exterior areas
- › Suitable for use with OTTOPUR PU foams

BKA MF1

OTTOTAPE Trio-BKA MF1

The multifunctional sealing tape for RAL assembly



Standards and tests

- › Complies with the guidelines of RAL assembly
- › Multifunctional sealing tape according to DIN 18542 – MF1
- › Suitable for applications according to IVD instruction sheet no. 24+26+35 (IVD = German industry association sealants)
- › EMICODE® EC 1 PLUS – very low emission

Frame installation depth	Tape width	Functional range / joint width	Order unit (OU)	Packaging unit (PU)	Order code
70 mm	64 mm	6-15 mm	1 roll, each 8 m	7 rolls, each 8 m	BKA-70/6-15
70 mm	64 mm	10-20 mm	1 roll, each 6 m	7 rolls, each 6 m	BKA-70/10-20
80 mm	74 mm	6-15 mm	1 roll, each 8 m	6 rolls, each 8 m	BKA-80/6-15
80 mm	74 mm	10-20 mm	1 roll, each 6 m	6 rolls, each 6 m	BKA-80/10-20
90 mm	84 mm	6-15 mm	1 roll, each 8 m	5 rolls, each 8 m	BKA-90/6-15
90 mm	84 mm	10-20 mm	1 roll, each 6 m	5 rolls, each 6 m	BKA-90/10-20



Polyurethane foam with impregnation
For indoor and outdoor application

Characteristics

- › Polyurethane foam, saturated with modified acrylic resin impregnation
- › Impregnated multifunctional sealing tape self-adhesive on one side for fast mounting
- › Stretches inside the joint to its final thickness
- › Driving rain resistant, thermal insulating and airtight product
- › Tighter inside than outside, according to the current state of technology
- › Can be covered with plaster and painted
- › Complies with building material class B1 “hardly inflammable” in accordance with DIN 4102-1
- › Resistant to UV light and moisture exposure



Fields of application

- › Structural connection according to the window and door mounting regulations
- › For sealing of joints around windows and doors indoors and in exterior areas
- › For sealing in the parapet area, we recommend the narrower OTTOTAPE Trio FBA or OTTO window tapes.

OTTOTAPE Trio-FBA

The multifunctional sealing tape for RAL assembly



Polyurethane foam with impregnation
For indoor and outdoor application

Characteristics

- › Polyurethane foam, saturated with modified acrylic resin impregnation
- › Impregnated multifunctional sealing tape self-adhesive on one side for fast mounting
- › Stretches inside the joint to its final thickness
- › Driving rain resistant, thermal insulating and airtight product
- › Tighter inside than outside, according to the current state of technology
- › Can be covered with plaster and painted
- › Complies with building material class B1 "hardly inflammable" in accordance with DIN 4102-1
- › Resistant to UV light and moisture exposure

Fields of application

- › Structural connection according to the window and door mounting regulations
- › For the sealing of joints of windows in the parapet field
- › For the sealing of the upper and side joints we recommend OTTOTAPE Trio-BKA MF1

Standards and tests

- › Suitable for applications according to IVD instruction sheet no. 24+26+35 (IVD = German industry association sealants)

Installation depth of the base profile	Tape width	Functional range / joint width	Order unit (OU)	Packaging unit (PU)	Order code
30 mm	30 mm	6-15 mm	1 roll, each 8 m	16 rolls, each 8 m	FBA-30/6-15
30 mm	30 mm	10-20 mm	16 rolls, each 6 m	16 rolls, each 6 m	on request
35 mm	35 mm	6-15 mm	1 roll, each 8 m	14 rolls, each 8 m	FBA-35/6-15
35 mm	35 mm	10-20 mm	14 rolls, each 6 m	14 rolls, each 6 m	on request

"on request" only deliverable in packaging units (PU), delivery time of 6 weeks

D-25-I**OTTOTAPE D-25-I****Duct SPECIAL**

The adhesive foil tape for connecting at breakthroughs

**Characteristics**

- ▶ Single-sided adhesive foil tape
- ▶ With laid scrim, tape stretchable in cross direction
- ▶ Thick adhesive layer (220 g/m²)
- ▶ Processing temperature up to -10 °C
- ▶ Very strong adhesive force on all rough substrates
- ▶ Ageing resistant
- ▶ Very low vapour sensitivity

Fields of application

- ▶ Sealing of ducts on chimneys, ventilation pipes, beams etc.
- ▶ For a permanently airtight sealing in compliance with DIN 4108-7
- ▶ Overlapping bonding of vapour retarders, vapour barriers and insulating materials according to DIN 4108-7
- ▶ Joint bonding on wood panels
- ▶ Not suitable for sauna and swimming pools

 **OTTO product tip**

OTTOCOLL® A270

p. 89

Width	Order unit (OU)	Packaging unit (PU)	Order code
60 mm	1 roll, each 25 m	10 rolls, each 25 m	D-25-I

E-40-I**OTTOTAPE E-40-I****Overlapping SPECIAL**

The adhesive tape for foil overlaps

**Characteristics**

- ▶ Single-sided, solvent-free adhesive tape
- ▶ **Kraft paper tape, can be torn by hand**
- ▶ Thick adhesive layer (220 g/m²)
- ▶ Processing temperature up to -10 °C
- ▶ Very strong adhesive force on all rough substrates
- ▶ Ageing resistant
- ▶ Almost completely resistant to moisture

Fields of application

- ▶ For a permanently airtight sealing in compliance with DIN 4108-7
- ▶ Overlapping bonding of vapour retarders, vapour barriers and insulating materials according to DIN 4108-7
- ▶ Joint bonding on wood panels
- ▶ Not suitable for sauna and swimming pools

 **OTTO product tip**

OTTOCOLL® A270

p. 89

Width	Order unit (OU)	Packaging unit (PU)	Order code
60 mm	1 roll, each 40 m	8 rolls, each 40 m	E-40-I

OTTOTAPE Fixing tape

The double-sided adhesive fixing tape



Characteristics

- Double sided pure acrylate PE foam strip
- Excellent weathering, ageing and UV-resistance
- Extreme plasticizer resistance. The polyethylene foam stays permanently flexible
- Very good adhesion on flat surfaces
- **A high level of initial tack provides an adequate level of application safety directly after application**
- Does not damage the mirror coating
- **Vibration dampening and stabilizing with different expansivities of join partners**

Fields of application

- Initial fixing during adhering of wing-concealing door fillings with OTTOCOLL® M580 or OTTOCOLL® S81
- Supporting fixing during adhering of mirrors
- Installation of PVC sash bars

Dimensions	Order unit (OU)	Packaging unit (PU)	Order code
10 x 1 mm	1 roll, each 25 m	10 rolls, each 25 m	FIXBA



OTTO Jointing tape BG 1

The precompressed jointing tape BG1



Polyurethane foam with impregnation
For indoor and outdoor application

Characteristics

- ▶ Impregnated foam tape, self-adhesive on one side
- ▶ Stretches slowly inside the joint to its final thickness
- ▶ **Forms a driving rain resistant joint according to DIN 18542**
- ▶ Good UV-resistance
- ▶ **Flame resistant**
- ▶ Protects against moisture and dust, heat loss, noise etc.
- ▶ Compatible with concrete, cellular concrete, bricks, sandlime brick, iron, zinc, steel, galvanised sheet metal, aluminium, copper, wood and unplasticized PVC

Fields of application

- ▶ Sealing of joints
- ▶ Joint between masonry and door or window frames
- ▶ Joint between masonry and concrete pillars, gable and roofing panels, sheet metal window sills, expanding joints, sheet pile profiles and corrugated panels

Standards and tests

- ▶ BG1 according to DIN 18542
- ▶ Driving rain resistant up to 600Pa according to DIN EN ISO 1027
- ▶ Compatible with general construction material according to DIN 18542
- ▶ General building inspection certificate: Tested and monitored (MPA BUA Hannover, Germany) – flame-resistant building material (building material class B1) according to DIN 4102-1
- ▶ Suitable for applications according to IVD instruction sheet no. 11+24+26+31+32+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1 PLUS – very low emission

Joint depth	Joint width application area	Order unit (OU)	Packaging unit (PU)	Order code
10 mm	2 mm	1 x 12,5 m pc.	11 x 12,5 m pc.	OFB-10/2
10 mm	3 mm	1 x 10 m pc.	11 x 10 m pc.	OFB-10/3
10 mm	3–6 mm	1 x 8 m pc.	11 x 8 m pc.	OFB-10/4
15 mm	2 mm	1 x 12,5 m pc.	7 x 12,5 m pc.	OFB-15/2
15 mm	3 mm	1 x 10 m pc.	7 x 10 m pc.	OFB-15/3
15 mm	3–6 mm	1 x 8 m pc.	7 x 8 m pc.	OFB-15/4
15 mm	5–9 mm	1 x 5,6 m pc.	7 x 5,6 m pc.	OFB-15/6
20 mm	2 mm	1 x 12,5 m pc.	5 x 12,5 m pc.	OFB-20/2
20 mm	3 mm	100 x 10 m pc.	100 x 10 m pc.	on request
20 mm	3–6 mm	1 x 8 m pc.	5 x 8 m pc.	OFB-20/4
20 mm	5–9 mm	1 x 5,6 m pc.	5 x 5,6 m pc.	OFB-20/6
20 mm	7–12 mm	1 x 4,3 m pc.	5 x 4,3 m pc.	OFB-20/8
25 mm	7–12 mm	80 x 4,3 m pc.	80 x 4,3 m pc.	on request
25 mm	9–16 mm	1 x 3,3 m pc.	4 x 3,3 m pc.	OFB-25/10
30 mm	9–16 mm	66 x 3,3 m pc.	66 x 3,3 m pc.	on request
30 mm	10–18 mm	1 x 4,5 m pc.	8 x 4,5 m pc.	OFB-30/12

"on request" only deliverable in packaging units (PU), delivery time of 2–3 weeks

OTTO Insulating tape BG2

The precompressed insulating tape BG2



Polyurethane foam with impregnation
For indoor and outdoor application

Characteristics

- ▶ Impregnated foam tape, self-adhesive on one side
- ▶ Stretches slowly inside the joint to its final thickness
- ▶ **Forms a driving rain resistant joint according to DIN 18542**
- ▶ Good UV-resistance
- ▶ Protects against moisture and dust, heat loss, noise etc.
- ▶ Compatible with concrete, cellular concrete, bricks, sandlime brick, iron, zinc, steel, galvanised sheet metal, aluminium, copper, wood and unplasticized PVC

Fields of application

- ▶ Sealing of joints against sound, driving rain, dust, draft and heat loss
- ▶ Especially suitable for joint constructions as in e.g. coupled windows, hidden window joints to define a boundary for sealants

Standards and tests

- ▶ BG 2 according to DIN 18542
- ▶ Driving rain resistant up to 600Pa according to DIN EN ISO 1027
- ▶ Compatible with general construction material according to DIN 18542
- ▶ General building inspection certificate – normal inflammable building material (B2) according to DIN 4102-1
- ▶ Suitable for applications according to IVD instruction sheet no. 24+26+31+32+35 (IVD = German industry association sealants)
- ▶ French VOC-emission class A+
- ▶ EMICODE® EC 1 PLUS – very low emission

Joint depth	Joint width application area	Order unit (OU)	Packaging unit (PU)	Order code
10 mm	2 mm	198 x 12,5 m pc.	198 x 12,5 m pc.	on request
10 mm	3 mm	198 x 10 m pc.	198 x 10 m pc.	on request
10 mm	3–6 mm	198 x 8 m pc.	198 x 8 m pc.	on request
15 mm	2 mm	126 x 12,5 m pc.	126 x 12,5 m pc.	on request
15 mm	3 mm	1 x 10 m pc.	7 x 10 m pc.	ODB-15/3
15 mm	3–6 mm	1 x 8 m pc.	7 x 8 m pc.	ODB-15/4
15 mm	5–9 mm	1 x 5,6 m pc.	7 x 5,6 m pc.	ODB-15/6
20 mm	2 mm	100 x 12,5 m pc.	100 x 12,5 m pc.	on request
20 mm	3 mm	1 x 10 m pc.	5 x 10 m pc.	ODB-20/3
20 mm	3–6 mm	1 x 8 m pc.	5 x 8 m pc.	ODB-20/4
20 mm	5–9 mm	1 x 5,6 m pc.	5 x 5,6 m pc.	ODB-20/6
20 mm	7–12 mm	1 x 4,3 m pc.	5 x 4,3 m pc.	ODB-20/8
25 mm	9–16 mm	80 x 3,3 m pc.	80 x 3,3 m pc.	on request
30 mm	9–16 mm	66 x 3,3 m pc.	66 x 3,3 m pc.	on request
30 mm	10–18 mm	330 x 6,5 m pc.	330 x 6,5 m pc.	on request

"on request" only deliverable in packaging units (PU), delivery time of 2–3 weeks



OTTO Flexi tape

The glazing tape for insulating glass



PE flexible foam tape
For indoor and outdoor application

Characteristics

- ▶ Reinforced for tensile strength
- ▶ **Closed-cell**
- ▶ Ageing resistant
- ▶ Compatible with OTTO silicone sealants
- ▶ Available with or without removable strip

Fields of application

- ▶ Used as a glazing tape for insulating glass in accordance with the Rosenheim specifications

Standards and tests

- ▶ French VOC-emission class A+

OTTO Flexi tape SP with peel-off foil

Dimensions	Colour	Order unit (OU)	Packaging unit (PU)	Order code
6 x 2 mm	anthracite	75 x 20 m pc.	75 x 20 m pc.	on request
6 x 2 mm	white	75 x 20 m pc.	75 x 20 m pc.	on request
8 x 2 mm	anthracite	75 x 20 m pc.	75 x 20 m pc.	on request
8 x 2 mm	white	75 x 20 m pc.	75 x 20 m pc.	on request
9 x 2 mm	anthracite	5 x 20 m pc.	75 x 20 m pc.	FLBM-9x2-C67
9 x 2 mm	white	5 x 20 m pc.	75 x 20 m pc.	FLBM-9x2-C01
9 x 3 mm	anthracite	5 x 20 m pc.	75 x 20 m pc.	FLBM-9x3-C67
9 x 3 mm	white	5 x 20 m pc.	75 x 20 m pc.	FLBM-9x3-C01
9 x 4 mm	anthracite	5 x 10 m pc.	150 x 10 m pc.	FLBM-9x4-C67
9 x 4 mm	white	150 x 10 m pc.	150 x 10 m pc.	on request
9 x 5 mm	anthracite	150 x 10 m pc.	150 x 10 m pc.	on request
9 x 5 mm	white	150 x 10 m pc.	150 x 10 m pc.	on request
9 x 6 mm	anthracite	100 x 10 m pc.	100 x 10 m pc.	on request
9 x 6 mm	white	100 x 10 m pc.	100 x 10 m pc.	on request
12 x 2 mm	anthracite	5 x 20 m pc.	75 x 20 m pc.	FLBM-12x2-C67
12 x 2 mm	white	75 x 20 m pc.	75 x 20 m pc.	on request
12 x 3 mm	anthracite	5 x 20 m pc.	75 x 20 m pc.	FLBM-12x3-C67
12 x 3 mm	white	75 x 20 m pc.	75 x 20 m pc.	on request
12 x 4 mm	anthracite	5 x 10 m pc.	150 x 10 m pc.	FLBM-12x4-C67
12 x 4 mm	white	150 x 10 m pc.	150 x 10 m pc.	on request
12 x 5 mm	anthracite	120 x 10 m pc.	120 x 10 m pc.	on request
12 x 5 mm	white	120 x 10 m pc.	120 x 10 m pc.	on request
15 x 2 mm	anthracite	5 x 20 m pc.	75 x 20 m pc.	FLBM-15x2-C67
15 x 2 mm	white	75 x 20 m pc.	75 x 20 m pc.	on request
15 x 3 mm	anthracite	75 x 20 m pc.	75 x 20 m pc.	on request
15 x 3 mm	white	75 x 20 m pc.	75 x 20 m pc.	on request
50 x 5 mm	anthracite	35 x 10 m pc.	35 x 10 m pc.	on request
50 x 5 mm	white	35 x 10 m pc.	35 x 10 m pc.	on request

"on request" only deliverable in packaging units (PU), delivery time of 2–3 weeks

OTTO Flexi tape SP without peel-off foil

Dimensions	Colour	Order unit (OU)	Packaging unit (PU)	Order code
6 x 2 mm	anthracite	70 x 20 m pc.	70 x 20 m pc.	on request
6 x 2 mm	white	70 x 20 m pc.	70 x 20 m pc.	on request
8 x 2 mm	anthracite	70 x 20 m pc.	70 x 20 m pc.	on request
8 x 2 mm	white	70 x 20 m pc.	70 x 20 m pc.	on request
9 x 2 mm	anthracite	5 x 20 m pc.	70 x 20 m pc.	FLBO-9x2-C67
9 x 2 mm	white	70 x 20 m pc.	70 x 20 m pc.	on request
9 x 3 mm	anthracite	5 x 20 m pc.	70 x 20 m pc.	FLBO-9x3-C67
9 x 3 mm	white	70 x 20 m pc.	70 x 20 m pc.	on request
9 x 4 mm	anthracite	140 x 10 m pc.	140 x 10 m pc.	on request
9 x 4 mm	white	140 x 10 m pc.	140 x 10 m pc.	on request
9 x 5 mm	anthracite	140 x 10 m pc.	140 x 10 m pc.	on request
9 x 5 mm	white	140 x 10 m pc.	140 x 10 m pc.	on request
9 x 6 mm	anthracite	140 x 10 m pc.	140 x 10 m pc.	on request
9 x 6 mm	white	140 x 10 m pc.	140 x 10 m pc.	on request
12 x 2 mm	anthracite	5 x 20 m pc.	70 x 20 m pc.	FLBO-12x2-C67
12 x 2 mm	white	70 x 20 m pc.	70 x 20 m pc.	on request
12 x 3 mm	anthracite	5 x 20 m pc.	70 x 20 m pc.	FLBO-12x3-C67
12 x 3 mm	white	70 x 20 m pc.	70 x 20 m pc.	on request
12 x 4 mm	anthracite	140 x 10 m pc.	140 x 10 m pc.	on request
12 x 4 mm	white	140 x 10 m pc.	140 x 10 m pc.	on request
12 x 5 mm	anthracite	100 x 10 m pc.	100 x 10 m pc.	on request
12 x 5 mm	white	100 x 10 m pc.	100 x 10 m pc.	on request
15 x 2 mm	anthracite	70 x 20 m pc.	70 x 20 m pc.	on request
15 x 2 mm	white	70 x 20 m pc.	70 x 20 m pc.	on request
15 x 3 mm	anthracite	70 x 20 m pc.	70 x 20 m pc.	on request
15 x 3 mm	white	70 x 20 m pc.	70 x 20 m pc.	on request
50 x 5 mm	anthracite	35 x 10 m pc.	35 x 10 m pc.	on request
50 x 5 mm	white	35 x 10 m pc.	35 x 10 m pc.	on request

“on request” only deliverable in packaging units (PU), delivery time of 2–3 weeks



PE

OTTOCORD PE-B2

The closed-cell PE back-up foam rod

**Characteristics**

- › Extruded backfilling material made of polyethylene (PE)
- › **For application in interior and exterior areas**
- › Closed-cell according to DIN 18540
- › Water-repellent
- › Normally flammable

Fields of application

- › Backfilling of joints in interior and exterior areas
- › For building construction joints according to DIN 18540

Standards and tests

- › Tested fire behaviour: normal inflammable building material (class E according to DIN EN 13501-1)

Diameter	Order unit (OU)	Packaging	Order code
6 mm	5 m pc.	PE bag with Euro perforation	PE-6-5
6 mm	100 m pc.	Single box	PE-6-100
8 mm	5 m pc.	PE bag with Euro perforation	PE-8-5
8 mm	100 m pc.	Single box	PE-8-100
10 mm	5 m pc.	PE bag with Euro perforation	PE-10-5
10 mm	100 m pc.	Single box	PE-10-100
13 mm	5 m pc.	PE bag with Euro perforation	PE-13-5
13 mm	100 m pc.	Single box	PE-13-100
15 mm	5 m pc.	PE bag with Euro perforation	PE-15-5
15 mm	100 m pc.	Single box	PE-15-100
20 mm	50 m pc.	Single box	PE-20-50
25 mm	50 m pc.	Single box	PE-25-50
30 mm	25 m pc.	Single box	PE-30-25
40 mm	135 x 1 m pc.	Single box	PE-40-135
50 mm	90 x 1 m pc.	Single box	PE-50-90

PUR-H

PUR-HS

OTTOCORD PUR-H-B3

The open-cell PUR back-up foam rod soft

**Characteristics**

- › Backfilling material made of polyurethane
- › **For interior use without wet load**
- › According to the building material class B3

Fields of application

- › Backfilling of joints in interior areas

OTTOCORD PUR-HS-B3

The open-cell PUR back-up foam rod firm

**Characteristics**

- › Backfilling material made of polyurethane
- › **For interior use without wet load**
- › **Firm and rigid quality**
- › According to the building material class B3

Fields of application

- › Backfilling of joints in interior areas

**Additional useful information**

When wet, we recommend the closed-cell OTTOCORD PE-B2 on page 192.

Diameter	Order unit (OU)	Packaging unit (PU)	Order code
10 mm	100 x 1 m pc.	1500 x 1 m pc.	PUR-H-10
15 mm	100 x 1 m pc.	1000 x 1 m pc.	PUR-H-15
20 mm	100 x 1 m pc.	500 x 1 m pc.	PUR-H-20
25 mm	100 x 1 m pc.	300 x 1 m pc.	PUR-H-25
30 mm	100 x 1 m pc.	200 x 1 m pc.	PUR-H-30
35 mm	180 x 1 m pc.	180 x 1 m pc.	on request
40 mm	100 x 1 m pc.	100 x 1 m pc.	PUR-H-40
50 mm	100 x 1 m pc.	100 x 1 m pc.	PUR-H-50
60 mm	50 x 1 m pc.	50 x 1 m pc.	on request
80 mm	25 x 1 m pc.	25 x 1 m pc.	on request

"on request": Delivery time of 2–3 weeks

**Additional useful information**

When wet, we recommend the closed-cell OTTOCORD PE-B2 on page 192.

Diameter	Order unit (OU)	Packaging unit (PU)	Order code
10 mm	100 x 1 m pc.	1500 x 1 m pc.	PUR-HS-10
15 mm	100 x 1 m pc.	1000 x 1 m pc.	PUR-HS-15
20 mm	100 x 1 m pc.	500 x 1 m pc.	PUR-HS-20
25 mm	100 x 1 m pc.	300 x 1 m pc.	PUR-HS-25
30 mm	100 x 1 m pc.	200 x 1 m pc.	PUR-HS-30
35 mm	180 x 1 m pc.	180 x 1 m pc.	on request
40 mm	100 x 1 m pc.	100 x 1 m pc.	PUR-HS-40
50 mm	100 x 1 m pc.	100 x 1 m pc.	on request
60 mm	50 x 1 m pc.	50 x 1 m pc.	on request

"on request": Delivery time of 2–3 weeks

Fields of application

Tiles

Ceramics

Bathrooms










Fields of application

Sealing

Bonding

Bonding building components and insulating materials (e. g. made of Styrodur®)		P85 P340
Bonding mirrors		M500 M550 M560 M580 S16 S610 FIXBA
Bonding of wall cladding panels in interior areas, e. g. in sanitary, kitchen and catering areas and in cold storage cells		M595 S495
Entire substrate sealing beneath ceramic tiles in bathrooms and damp rooms	OFS	
Glueing individual tiles in place for repair purposes		A265 M500 M501 M530 M550 M560 M580 P85
Joint filling materials between ceramic slabs and natural stone used outside	S70 S80	
Mirror edge sealing	S70 S80 S120 S121 S125 S130 S140	
Priming to improve adhesion on waterproof and smooth surfaces (e. g. glazed tiles)	OFHG	
Sealing joints applications in the food and drinking water sector (e. g. in dairies, abattoirs)	M390 S27 S34 S110 S125 S130	
Sealing joints in continuously wet areas, e. g. in public bathroom facilities	S18 S140	
Sealing movement joints in bathroom areas (e. g. on bath tubs and shower trays, wash basins) to ceramic tiles and ceramic slabs	S100 S105 S110 S115 S121 S125 S130	
Sealing movement joints in bathroom areas (e. g. on bath tubs and shower trays, wash basins) to tiles and slabs made of marble and natural stone	S70 S80 S117 S130 S140	
Sealing movement joints in walls and ceilings	A205	
Sealing movement joints on Terracotta slabs	S70 S80 S100 S110 S120 S121 S125 S130	
Sealing swimming pool and underwater joints	S18 S70 S140	









OTTOSEAL® sealants

	Bathroom and swimming pool sealants	10
	Natural stone sealants	19
	Expansion and connection joint sealants	24
	Floor sealants	38
	Fire protection and high temperature sealants	46
	Special sealants	51
	Glass, window and façade sealants	56

OTTOCOLL® adhesives

	Hybrid adhesives	72
	PU adhesives	81
	Acrylate adhesives	87
	Silicone adhesives	90
	Glass, window and façade adhesives	94

Other products

	OTTOFLEX® system compound sealing	100
	OTTOPUR PU foams	114
	Smoothing agents	122
	Accessory products	127
	Primers/Cleaners	132
	Guns	143
	Processing tools/Accessories	159
	Tapes/Back-up foam rods	181

Fields of application

Marble

Natural Stone



Fields of application

Sealing

Bonding

Bonding kitchen worktops on metal and insulating materials

M 500 M 501 M 550 M 560
P 85

Bonding stairs made of marble and natural stone on substructures (e.g. made of concrete, metal etc.)

S 70 S 80 M 500 M 501
M 550 M 560 P 85 P 340
P 520

Full surface sealing under marble and natural stone

OFS

General bonding applications on marble and natural stone

S 70 S 80 M 500 M 501
M 550 M 560 P 85 P 340
P 520

Hydrophobizing of marble and natural stone façades

SXN

Joint filling material between ceramic tiles and natural stone outdoors

S 70 S 80

Mirror edge sealing on marble and natural stone

S 70 S 80 S 130 S 140

Priming to improve adhesion on waterproof and smooth surfaces (e.g. glazed tiles)

OFHG

Seal movement joints in façades made of marble and natural stone

S 70 S 80 S 117 S 130 S 140

Seal movement joints in floors made of marble and natural stone

S 70 S 80 S 140

Sealing artificial stone or concrete products

S 70 S 80 S 117 S 130 S 140

Sealing joints in marble and natural stone in swimming pool and underwater areas

S 70 S 140








Sealing kitchen worktops made of marble and natural stone

S 70 S 80 S 117 S 130 S 140






Sealing movement joints to tiles and slabs made of marble and natural stone

S 70 S 80 S 117 S 130 S 140









OTTOSEAL® sealants

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Fields of application

Windows

Doors









Fields of application

Sealing

Bonding

Bonded-window constructions		Contact our Technical Dep.
Bonding EPDM profiles		S54 SPRÜHPR
Bonding corner joints in windows, metal doors and façades as well as conservatories		P86 P520
Bonding decorative strips on door parts		A265 M501 M530 M550 M560 M580
Connection joints according between window/door and walling systems	A710 M360 M361 P720 S730 BAB-V BAB-VD BKAMF1 FBA	
Fire protective glazing according to DIN 4102-B1	S94	
Foaming roller blind housings		OP910 OP915 OP920 OP930 OP950 OP960
Frame bonding in the manufacture of wooden windows and doors		P84 P85 P410
Manufacturing of sandwich/composite boards (e.g. partition walls, front doors, facing tiles etc.)		M580 M595 P84 P410
Mounting door and window frames	M360 M361	OP910 OP915 OP920 OP930 OP950 OP960 SPRÜHPR
Sealing joints	A205 A210 M350 M360 M361 P300 P305 S70 S80 S110 S115 S117 S120 S125 BAB-V BAB-VD BKAMF1 FBA ODB OFB	
Sealing mitre cuts and profile joints on metal windows, metal doors and façades	A225	
Window frames and window bars – sealing	S112	
Window pane sealing on wooden windows	S110 S120	
Wing overlapping bonds		M580 FIXBA
Wood-glass-composite units	S7 S10 S94	Contact our Technical Dep.









OTTOSEAL® sealants

	Bathroom and swimming pool sealants	10
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




Fields of application

Window and door
mounting








Fields of application	Sealing	Bonding
Assembly of window sills with multifunctional sealing tape FBA	FBA	
Foaming roller shutter housings		OP910 OP915 OP920 OP930 OP950 OP960
Joints between window and walling system inside use with extrudable sealants	A710 M360 M361	
Joints between window and walling system inside use with window tape Vario and Vario Duo	M360 M361 BAB-V BAB-VD	M360 SPRÜHPR
Joints between window and walling system outside use with extrudable sealants	M360 M361 P720 S730	
Joints between window and walling system outside use with window tape Vario and Vario Duo	BAB-V BAB-VD	M360 SPRÜHPR
Mounting door and window frames		OP910 OP915 OP920 OP930 OP950 OP960
Pre-filling of joints between window and walling system inside and outside	PE	
Structural connection with multifunctional sealing tape BKAMF1 for windows and door mounting	BKAMF1	









OTTOSEAL® sealants

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Fields of application








Glass

Mirrors




Fields of application	Sealing	Bonding
Bonding mirrors		M 500 M 550 M 560 M 580 S 16 S 610 FIXBA
Bonding of glass bricks		S 28
Crystal clear (highly-transparent) silicone		S 50
Crystal clear bonding of glass display cabinets and shop windows	S 50	
Fire protective glazing according to DIN 4102-B	S 94	
Mirror edge sealing	S 70 S 80 S 120 S 121 S 125 S 130 S 140	
Sealing and bonding aquaria	S 28	S 28
Sealing figured glass	M 350 S 100 S 105 S 110 S 120	
Sealing joints on and in acrylic glass and polycarbonate for construction work with plastics, greenhouses, conservatories	S 72	
Sealing laminated safety glass	S 7 S 10 S 110 S 120	
	For resins please contact our technical service department	
Secondary edge sealing for insulating glass	S 9	S 9
Weather resistant sealing on metal constructions, e. g. on angled glazing, roof glazing, conservatories and structural glazing elements	S 7 S 10	
Window frames and window bars – sealing	S 112	
Window pane sealing on wooden windows	S 110 S 120	
Wood-glass-composite units	S 7 S 10 S 94	Contact our Technical Dep.









OTTOSEAL® sealants

	Bathroom and swimming pool sealants	10
	Natural stone sealants	19
	Expansion and connection joint sealants	24
	Floor sealants	38
	Fire protection and high temperature sealants	46
	Special sealants	51
	Glass, window and façade sealants	56

OTTOCOLL® adhesives

	Hybrid adhesives	72
	PU adhesives	81
	Acrylate adhesives	87
	Silicone adhesives	90
	Glass, window and façade adhesives	94

Other products

	OTTOFLEX® system compound sealing	100
	OTTOPUR PU foams	114
	Smoothing agents	122
	Accessory products	127
	Primers/Cleaners	132
	Guns	143
	Processing tools/Accessories	159
	Tapes/Back-up foam rods	181








Fields of application

Wood



Fields of application	Sealing	Bonding
Bonding decorative strips to door parts		A 265 M 560
Bonding dovetail joints (e.g. on garden furniture, non-supporting timber elements)		P 84 P 410
Bonding skirting boards and edgings		A 265 M 530 M 550 M 560 P 85 P 340
Bonding stairs		M 500 M 501 M 530 M 550 M 560 P 85
Frame bonding for the manufacture of wooden windows and doors		P 84 P 85 P 410
Joining laminate, cork and OSB floors	A 221 M 390	
Joining parquet and timber floors	A 221 M 390	
Manufacturing sandwich/composite boards (e.g. partition walls, front doors, facing tiles etc.)		M 595 P 84 P 410
Mounting door and window frames	BKAMF1 FBA	M 360 M 361 OP 910 OP 915 OP 920 OP 930 OP 950 OP 960
Plywood fabrication for non-supporting constructions		P 84 P 410
Sealing joints of wooden windows and doors	A 205 A 210 A 710 M 350 M 360 M 361 P 300 P 305 P 720 S 70 S 80 S 110 S 115 S 117 S 120 S 125 S 730 BAB-V BAB-VD BKAMF1 FBA OFB	SPRÜHPR
Weather resistant (DIN EN 204 D4) and temperature resistant (DIN EN 14257) (WATT 91) bonding		P 84 P 85
Window frames and window bars – sealing	S 112	
Window pane sealing on wooden windows	S 110 S 120	
Wood-glass-composite units	S 7 S 10 S 94	Contact our Technical Dep.









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Fields of application

Dry wall construction

Acoustics










Fields of application

Sealing






Bonding

Bonding ceiling profiles and decorative boards		A 265
Bonding fibreboards and gypsum plasterboards on substructures		A 265 M 530 M 550 M 560 P 85 P 340
Bonding of vapour retarders and vapour barriers		A 270 D-25-I E-40-I
Bonding screed elements		P 410
Fire-protective sealing work according to DIN 4102-B1	S 94 OFB	S 495
Foaming and filling of cavities, wall fractures etc.		OP 910 OP 915 OP 920 OP 930 OP 950 OP 960
Sealing and repairing wall cracks	A 205 A 215 M 360 M 361	
Sealing joints	A 205 A 210 A 710 M 360 M 361 P 720 S 730 BAB-V BAB-VD BKAMF1 FBA	M 360 SPRÜHPR
Waterproof coating beneath tiles and slabs in bathroom areas	OFS	









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Fields of application

Building construction

Façades



Fields of application

Sealing

Bonding

Hydrophobic treatment of façades

SXN

Joints between window/door and walling system

A 710 M 360 M 361 P 720
S 730Manufacturing of sandwich panels/composite boards
(e. g. partition walls, front doors, facing tiles etc.)

M 595 P 84 P 410

Sealing building construction expansion joints according to
DIN 18540-FM 360 M 361 P 300 P 305
S 110 S 120

Sealing expansion and joints

A 710 M 360 M 361 P 300 M 360 SPRÜHPR
P 305 P 720 S 70 S 80 S 110
S 115 S 117 S 120 S 125 S 130
S 140 S 730 BAB-V BAB-VD
BKAMF1 FBASealing joints using sealing tape to make it impermeable to
driving rain

OFB

Sealing joints window frame and wall by means of tapes

BAB-V BAB-VD BKAMF1 FBA M 360 SPRÜHPR

Weather resistant sealing on metal constructions, e. g. on
angled glazing, roof glazing, conservatories and structural
glazing elements








S 7 S 10

Wood-glass-composite units





S 7 S 10 S 94

Contact our Technical Dep.









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	Primers/Cleaners	132
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	Tapes/Back-up foam rods	181

Fields of application

Metal



Fields of application

Sealing

Bonding

Bonding of corner joints in metal windows, doors and façades as well as conservatories

P 86 P 520

Bonding of wall cladding panels in interior areas, e.g. in sanitary, kitchen and catering areas and in cold storage cells

M 595 S 495

Fire protective sealings on metal constructions according to DIN 4102-B1

S 94

Sealing air conditioning equipment and ventilation systems

M 350 M 380 S 67 S 69 M 500
P 83

Sealing car-body joints

M 500 P 83

M 560 M 580

Sealing gutters

A 250 S 110 S 115 S 125

Sealing joints for the construction of vehicles and containers

M 500 P 83

M 560 M 580

Sealing joints on metal windows and doors

A 205 A 207 A 210 A 710
M 350 M 360 M 361 P 300
P 305 P 720 S 70 S 80 S 110
S 115 S 117 S 120 S 125 S 130
S 140 S 730 BAB-V BAB-VD
BKA MF1 FBA OFB

M 360 SPRÜHPR

Sealing joints with little expansion in the plumbing, tin-smith and tiler trade

A 250

M 500 M 560








Sealing mitre cuts and profile joints on metal windows, doors and façades

A 225

Weather resistant sealing on metal constructions, e.g. on angled glazing, roof glazing, conservatories and structural glazing elements

S 7 S 10









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Fields of application

Floor coverings

Industrial floors



Fields of application

Sealing

Bonding

Bonding skirting boards and edgings (e. g. made of wood and PVC)

A 265 M 500 M 501 M 530
M 550 M 560 P 85 P 340

Jointing laminate and cork floors

A 221 M 390

Jointing parquet and timber floors

A 221 M 390

Sealing design floor coverings made of linoleum

M 390 S 51 S 125

Sealing design floor coverings made of PVC

M 390 S 51 S 125

Sealing design floor coverings made of rubber

M 390 S 51 S 125

Sealing design floor coverings made of vinyl

M 390 S 51 S 125

Sealing floor joints in natural stone

S 70 S 80 S 140

Sealing heavy duty floor joints (industrial floors driven on)

M 390 S 34

Sealing joints for linoleum floors

M 390 S 51 S 125

Sealing joints on plastic floor coverings (e. g. PVC, rubber stud tile flooring)

M 390 S 51 S 125

Sealing joints with difficult detention underground (e. g. melted asphalt pavement)

S 54








Sealing movement joints in normally stressed ceramic tile and slab pavings

S 100 S 110 S 121 S 125



Sealing vinyl floor coverings

M 390 S 51 S 125









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




Fields of application

Special applications



Fields of application	Sealing	Bonding
Bonding and sealing aquaria	S28	S28
Bonding of perimeter insulation panels		OP910 OP915 OP920 OP930
Bonding sandwich panels		M595 P410
Crystal clear (highly-transparent) silicone		S50
Fire-protective sealing work according to DIN 4102-B1	S51 S54 S94	S495
High temperature-resistant seals (e. g. on heating boilers, chimney-flues etc.)	S17 S25	
Mounting door and window frames soundproof	M360 M361	OP910 OP915 OP920 OP930 OP950
Mounting of well shaft rings		OP910 OP915 OP920 OP930
Sealing applications in the food and drinking water sector (e. g. in dairies, abattoirs)	M390 S27 S34 S70 S80 S110 S125 S130	
Sealing work in clean-rooms (e. g. operating theatres, microelectronics etc.)	M380 S51 S67 S69	
Swimming pool and underwater seals	S18 S70 S140	
Window frames and window bars – sealing	S112	









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	Tapes/Back-up foam rods	181

Application list with product recommendation

Sealing

A			
Acid resistant – sealing	S34		
Acrylic (bath-) tubs – sealing	S70 - S80 - S100 - S105 - S110 - S115 - S121 - S125 - S130 - S140		Connection joints – sealing A205 - A207 - A210 - A710 - M350 - M360 - M361 - P300 - P305 - P720 - S100 - S110 - S115 - S120 - S125 - S730 - BAB-V - BAB-VD - OFB
Acrylic glass – sealing	S72		Copper sheets – sealing M350 - M360 - M361 - P300 - P305 - S110 - S115 - S120 - S125
Air-conditioning systems – sealing	M350 - M380 - M500 - M580 - P83 - S67 - S69		Cotto slabs – sealing S70 - S80 - S100 - S130
Aluminium – sealing	M350 - M360 - M361 - P300 - P305 - S110 - S115 - S120 - S125		D
Angled/roof windows	S7 - S10 - S610		Dairies – sealing S27 - S130
Anodized aluminium – sealing	M360 - M361 - S110 - S115 - S120 - S125		Door rabbets – sealing S70 - S80 - S110
Aquaria – sealing	S28		Drinking water tanks – sealing S27
Artificial concrete stone – sealing	S70 - S80		Driving rain – resistant sealing P720 - S730 - OFB
Artificial stone – sealing	S70 - S80 - S117 - S130 - S140		E
B			Enamelled glass – sealing S70 - S80
Bath tubs – sealing	S70 - S80 - S100 - S105 - S110 - S115 - S121 - S125 - S130 - S140		F
Bathroom joints – elastic sealing	S70 - S80 - S100 - S105 - S110 - S115 - S121 - S125 - S130 - S140		Facades – sealing M360 - M361 - P300 - P305 - S7 - S10 - S70 - S80 - S110 - S120
Bitumen rails – sealing	A250		Filling cracks in plaster A215
Boiler – sealing	S17 - S25		Fire-proof sealants S51 - S54 - S94
Brass – sealing	P300 - P305 - M350 - M360 - M361 - S110 - S115 - S120 - S125		according to DIN 4102-B1
Building construction joints – sealing	M360 - M361 - P300 - P305		Flame resistant sealants S51 - S54 - S94
C			Floor joints – sealing A221 - M390 - S34 - S51 - S70 - S80 - S125 - S140
Car body joints – sealing	M500 - M501 - M550 - M580 - P83		Fungicide containing – sealants M380 - S18 - S67 - S70 - S80 - S100 - S105 - S110 - S115 - S117 - S120 - S121 - S125 - S130 - S140 - S730
Cast member parts of boilers – sealing	S17 - S25		G
Ceramique floors – sealing	S100 - S105 - S110 - S115 - S120 - S121 - S125 - S130 - S140		Glass bricks – sealing S28 - S100
Chemical resistant sealant	S34		Glass facades – sealing S7 - S10
Chimney parts – sealing	S17 - S25		Glass ornaments – sealing S50 - S610
Chrome – sealing	M350 - M360 - M361 - M500 - P300 - P305 - S110 - S115 - S120 - S125		Grainy putty A215
Clean rooms – sealing	M380 - S51 - S67 - S69		Granite – sealing S70 - S80 - S117 - S130 - S140
Climatisation systems – sealing	S72		Green house – sealing S10
Closure of cracks and holes in façades and interior walls, such as in scaffolding	M360 - M361		Green house – sealing S7 - S10
Compatible with paints according to DIN 52452 – Sealants	A205 - A207 - A210 - A215 - A225 - A270 - M350 - M360 - M361 - M500 - P83 - P300 - P305 - P720		Gypsum fibreboard – sealing A205 - M500
Concrete joints – sealing	M360 - M361 - P300 - P305 - S110 - S115 - S120		H
			Heating pipes – temperature resistant sealing S17 - S25
			I
			Industrial floors – sealing of M390 - S34
			Insulated glass – edge bonding S9
			Insulating glass – window pane sealing S9
			J
			Jointing cork floors/plates A221 - M390
			Jointing laminate flooring A221 - M390
			Jointing parquet floors A221 - M390

Jointing wood	A221 - M350 - M390 - S 110 - S 120
Jointing wooden board flooring	A221 - M390
Jointing wooden floor boards	A221 - M390
K	
Kitchen worktops – sealing	S27 - S70 - S80 - S 110 - S120
L	
Lacquered glass – sealing	S70 - S80
Linoleum – sealing	M390 - S51 - S 125
M	
Marble facades – sealing	S70 - S80 - S117
Marble joints – sealing	S70 - S80 - S117 - S130 - S140
Melted asphalt floor screed – sealing	S54 + PR1226
Metal joints – sealing	M350 - M360 - M361 - P300 - P305 - S110 - S115 - S120 - S125
Mirrors – sealing	S70 - S80 - S120 - S121 - S125
Moisture-prone rooms – full surface sealing	OFS
N	
Natural stone facades – sealing	S70 - S80 - S117
Natural stone joints – sealing	S70 - S80 - S117 - S130 - S140
Non staining sealants	S70 - S80 - S117 - S130 - S140
Non-ferrous metals – sealing	M350 - M360 - M361 - P300 - P305 - S110 - S115 - S120 - S125
O	
Operating theatres – sealing	S67 - S69
P	
Permanent wet condition – sealing	S18 - S70 - S140
Polyacrylate (acrylic glass) – sealing	S72
Polycarbonate sheets – sealing	S72
Polyester – sealing	S110 - S120 - S125 - S100 - S105
Prefabricated concrete – sealing	M360 - M361 - P300 - P305
Profile batches – sealing	A225
Profilit TM window pane sealing	M350 - S100 - S105 - S110 - S120
PVC floors – sealing	M390 - S51 - S125
R	
Rabbets of wooden windows	M350 - S110 - S120
Ray protective glass – sealing	S10
Refrigeration rooms – sealing	S27 - S130
Roof glazings	S7 - S10 - S610
Roof gutter – sealing	A250 - S110
Roofing felt – sealing	A250
Roofs – sealing	A250
Rubber knob floors – sealing	M390 - S51 - S125

S	
Sandstone – jointing	S70 - S80 - S117 - S130 - S140
Sanitary joints – sealing	S80 - S100 - S105 - S110 - S115 - S121 - S125 - S130 - S140
Seal patio slabs (ceramics + natural stone)	S70 - S80
Seal public sanitary facilities	S140
Sealing design floor coverings made of linoleum	M390 - S51 - S125
Sealing design floor coverings made of PVC	M390 - S51 - S125
Sealing design floor coverings made of rubber	M390 - S51 - S125
Sealing design floor coverings made of vinyl	M390 - S51 - S125
Sealing of clinker	M360 - S110 - S115 - S120 - S125
Sealing shop windows	S50
Sealing vinyl floor coverings	M390 - S51 - S125
Sheet metal – sealing	P300 - P305 - M350 - M360 - M361 - S110 - S115 - S120 - S125
Shower – sealing	S70 - S80 - S100 - S105 - S110 - S115 - S121 - S125 - S130 - S140
Slaughterhouses – sealing	S27 - S130
Stainless steel (Nirosta) – sealing	M350 - M360 - M361 - P300 - P305 - S70 - S80 - S110 - S115 - S120 - S121 - S125
Stoves – temperature resistant sealing	S17 - S25
Streak-free sealants according to ift directive VE-04/2	S110 - S120
Stream-jet cleaning – resistant sealing	M390 - S34
Structural connection according to the window and door mounting regulations	A710 - P720 - S730 - BAB-V - BAB-VD - BKAMF1 - FBA
Structural glazing units – sealing	S7 - S10
Swimming pools – sealing	S18 - S70 - S140
Synthetic flooring – sealing	M390 - S51 - S125
Synthetic materials – sealing	S72
T	
Temperature resistant sealing	S17 - S25
Terracotta slabs – sealing	S70 - S80 - S100 - S110 - S120 - S121 - S125 - S130
Tighter inside than outside	A710 - P720 - S730 - BAB-V - BAB-VD - BKAMF1 - FBA
Tile stove – jointing	A215
Tiles – sealing	S100 - S105 - S110 - S115 - S120 - S121 - S125 - S130 - S140
Tiles – sealing	S100 - S105 - S110 - S115 - S120 - S121 - S125 - S130 - S140
Timber-glass-composite elements – sealing	S7 - S10

Application list with product recommendation

Tinplate – sealing M360 - M361 - S 110 - S 115 - S 120 - S 125

Twin-wall sheets – sealing S72

U

Underwater – sealing S 18 - S 70 - S 140

V

Vehicle construction/
manufacturing M500 - M501 - M550 - M560 - M580 - P83

Ventilation systems – sealing M350 - M380 - P83 - S67 - S69

Ventilation systems – sealing M350 - M380 - M500 - M580 - P83 - S67 - S69

W

Wall cracks – bridging and
sealing A215

Water resistant – sealing M500 - S 18 - S 28 - S 140 - S610

Water tanks – sealing S27

Weathersealing S7 - S10

Window bar filler S112

Window connection joints A205 - A710 - P305 - P720 - S110 - S115 - S120 - S125 - S730

Window frames – sealing S112

Window rabbets – sealing M350 - S110 - S120

Wooden windows –
window pane sealing M350 - S110 - S120

Worktops – sealing S27 - S70 - S80 - S110 - S120 - S130

Z

Zinc sheets – sealing M360 - M361 - S 110 - S 115 - S 120 - S 125

Bonding

A

Aluminium – bonding M500 - M501 - M530 - M560 - M580 - M595 - P83 - P85 - P340 - P410 - P520 - S10 - S610

Anodized aluminium – bonding M500 - M501 - M530 - M550 - M560 - M580 - M595 - S610

APTK profiles – bonding S54

Aquaria – bonding S28

B

Batten – bonding A265 - M500 - M501 - M530 - M550 - M560 - M595 - P85 - P410 - S610

Bonding of clinker M500 - M501 - M530 - M550 - M560 - M595

Bonding perimeter insulation
panels OP910 - OP915 - OP920 - OP930

C

Cable ducts – bonding A265 - M500 - M550 - M560 - P85 - P340

Caravan construction M350 - M500 - M530 - M550 - M560 - M580 - M595 - P83 - P410 - S110 - S610

Caravans and
campers – construction M350 - M500 - M550 - M560 - M580 - M595 - P83 - P410 - S110 - S610

Ceiling profiles – bonding M500 - M501 - M530 - M550 - M560 - P83

Chipboards – bonding P85 - P410

Composite panels – bonding M500 - M595 - P84 - P410

Container construction M500 - M501 - M530 - M560 - P410

Copper – bonding M500 - M501 - M530 - M550 - M560 - M580 - M595 - P85 - P340 - S610

Cork – bonding M500 - M501 - M530 - M550 - M560 - M595 - P85 - P340 - P520

Corner bracket – bonding P86 - P520

Corner connections – bonding P86 - P520

D

Decorative boards – bonding A265 - P85

Door parts – bonding M500 - M580 - P410 - P520

E

Enamelled glass – bonding M500 - S16

End strips – bonding A265 - M500 - M530 - M560 - M595 - P85 - P340

EPDM profiles – bonding S54 - SPRÜHPR

F

Fixing adhesives A265 - M550 - M560

Foil sheets' adhesive A270

Full surface adhesives M595 - P410

G

Galvanised steel – bonding M500 - M501 - M530 - M550 - M560 - M595 - P85 - P340

Garden furniture – bonding P84

Glass – bonding S10 - S50 - S610

Glass bricks – bonding S28

Glass fibre reinforced plastics
GRP – bonding A265 - M500 - M530 - M550 - M560 - M580 - M595 - P85 - P340

Glass ornaments – bonding S610

Granite – bonding M500 - M501 - M530 - M550 - M560 - P85 - P340 - P520 - S70

Grilles – bonding S50

Gypsum fibreboard – bonding A265 - M500 - M550 - P85 - P340

I

Insulating boards – bonding A265 - M500 - M501 - M530 - M550 - M560 - P85 - P340

L	
Lacquered glass – bonding	M500 - S16
Laths – bonding	A265 - M500 - M501 - M530 - M550 - M560 - M595 - P85 - S610
M	
Marble – bonding	M500 - M501 - M530 - M550 - M560 - P85 - P340 - P520
Metal doors – bonding of corner connections	P86 - P520
Metal profiles – bonding	P86 - P520
Metal windows – bonding of corner connections	P86 - P520
Mineral fibre insulating panels – bonding	P410
Mirrors – bonding	M500 - M550 - M560 - M580 - S16 - S610 - FIXBA
Modified wood – bonding	P86
N	
Natural stone – bonding	M500 - M501 - M530 - M550 - M560 - P85 - P340 - P520 - S70 - S80
Natural stone stairs – bonding	M500 - M501 - M530 - M550 - M560 - P85 - P340 - S70
O	
Ornamental strips – bonding	A265 - M500 - M501 - M530 - M550 - M560 - P85 - P340
P	
Panels – bonding	M500 - M501 - M550 - M560 - M595 - P85 - P340 - P410 - P520 - S495
Plasticized PVC	M500 - M560 - M580 - M595 - S110 + PR1217
Plywood – bonding	P85 - P410
Prefabricated houses – construction	P410
PU rigid foam – bonding	P85 - P410
PVC – bonding	A265 - M500 - M501 - M550 - M560 - M580 - M595 - P85 - P340 - S610
PVC unplasticized – bonding	M500 - M501 - M550 - M560 - M580 - P85 - P340 - P520 - S610
R	
Rigid foam boards made of polystyrene – bonding	P85 - P340
Roof glazings	S7 - S10 - S610
S	
Sandwich elements – bonding	M500 - M580 - M595 - P410 - P520
Separating walls – bonding	A265 - P85 - S610
Skirting boards – bonding	A265 - M500 - M501 - M530 - M550 - M560 - P85 - P340
Stainless steel – bonding	M500 - M501 - M530 - M550 - M560 - M580 - M595 - P85 - S10 - S610
Stairs – bonding	M500 - M501 - M530 - M550 - M560 - M595 - OP920 - P85 - P340 - S70 - S80
Stairs – renovation	P85 - P340
Stone – bonding	M500 - M501 - M530 - M550 - M560 - P85 - P340 - P520 - S70 - S80
Stucco – bonding	A265 - M500 - M550 - M560
Styrodur® – bonding	A265 - M560 - P85 - P340
Styropor® – bonding	A265 - M560 - P85 - P340
Synthetic materials – bonding	M500 - M501 - M550 - M560 - M580 - M595 - P85 - P340 - P520 - S610
T	
Temperature resistant bonding according to DIN EN 14257	P84 - P85 - P86 - P340 - P410 - P520
Tile to tile	OFHG
V	
Vapour barrier – bonding	A270 - D-25-I - E-40-I
W	
Wall panels – bonding	S495 - M595
Water resistant bonding	M500 - M560 - M580 - M595 - S610
Weather resistant bonding according to DIN EN 204 D4	P84 - P85 - P86 - P340 - P410 - P520
Window tapes – bonding	M360 - M361 - SPRÜHPR
Windows – mounting	M360 - M361 - OP910 - OP915 - OP920 - OP930 - OP950 - OP960
Wing overlapping bonds	M580 - S670 - FIXBA
Wood – bonding	M500 - M501 - M530 - M550 - M560 - M580 - M595 - P84 - P85 - P86 - P340 - P410 - S610
Wood – bonding	P84 - P86 - P410
Wooden doors – bonding	M500 - M501 - M550 - M560 - P84 - P85 - P340 - P410
Wooden profiles – bonding	A265 - M500 - M501 - M530 - M550 - M560 - P85 - P340 - S610
Wooden stairs – bonding	M500 - M560 - OP920 - P85 - P340
Other applications	
A	
Adhesive tapes	D-25-I - E-40-I
C	
Cavities – foaming	OP910 - OP915 - OP920 - OP930 - OP950 - OP960

Application list with product recommendation

D

Degreasing paste – migratory staining	STEX
Door frames – mounting	OP910 - OP915 - OP920 - OP930 - OP950 - OP960

F

Facades – waterproofing/ hydrophobic treatment	SXN
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J

Joining well shaft rings	OP910 - OP915 - OP920 - OP930
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P

Priming of smooth surfaces	OFHG
PU foams – removal of rests	OPCLEAN - TOUCH

S

Silicone – removal of rests	SIEN
Surface – hydrophobing	SXN

U

Underground – reinforcing	OTG
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W

Wall cracks – bridging and sealing	A215
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The OTTO app

Whether iOS or Android: With the OTTO app for smartphones and tablet PCs you always have the solution to all application issues at your side. Product search, consumption calculator, colour recommendation, order, contact – and if you wish to be informed in good time about the latest news, simply activate push notifications.

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CHEMIE**

Wahlstraße 100
42699 Solingen

Quantity charts

General valid joint dimension:

The rule of thumb for calculating the joint dimension is as follows:

Sealant depth (t) = 0.5 x joint width (b).

The thickness of the sealant (d) equals 2/3 of the joint width (b).

These minimum joint widths are also valid for joints in the interior with sealants $\geq 15\%$ movement capability.

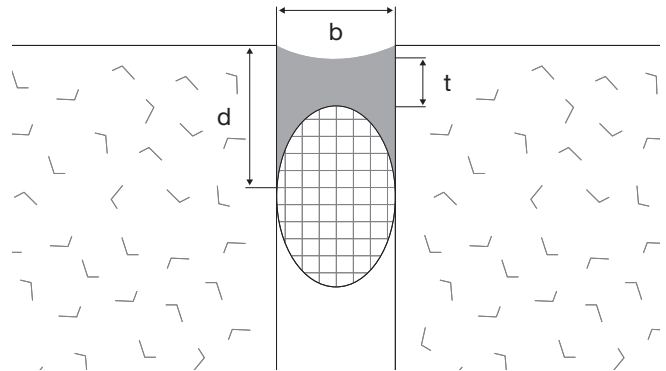
The ratio between the width of the sealant in the joint (b) and the depth of the sealant in the joint (t) has to be as follows:

Joint width b in a ratio of joint depth t

b in mm	10-15	15-20	20-25	25-30	30-35
t in mm	8±2	10±2	12±2	15±3	15±3

Source: Industrieverband Dichtstoffe e. V./HS PR.

Additional information to the IVD's instruction leaflets under www.ivd-ev.de.



Quantity charts

These values are approximate and serve as a rough guide for rightangled joints. The depth of the joints is measured to the rear of the profile. Depending on the processing technology, an additional requirement of 25% should be expected.

Metres per 300/310 ml cartridge

Width of joint in mm ▶ Depth of joint in mm ▼	5	7	10	12	15	20	25
5	12	8	6				
7		6	4	3			
10			3	2,5	2,0	1,5	
12				2,1	1,7	1,2	1,0
15					1,3	1,0	0,8

Linear metres per 490 ml side-by-side cartridges

Width of joint in mm ▶ Depth of joint in mm ▼	5	7	10	12	15	20	25
5		19	14	9			
7			10	7	5		
10				5	4	3	2,4
12					3	2,7	2
15						2,1	1,6

Metres per 400 ml aluminium foil bag

Width of joint in mm ▶ Depth of joint in mm ▼	5	7	10	12	15	20	25
5	15	10	8				
7		8	5	4			
10			4	3	2,6	2,0	
12				2,7	2,2	1,6	1,3
15					1,7	1,3	1,0

Metres per 580 ml aluminium foil bag

Width of joint in mm ▶ Depth of joint in mm ▼	5	7	10	12	15	20	25
5	23	15	11				
7		11	7	6			
10			6	5	4	3	
12				4	3	2,4	2
15					2,5	1,9	1,4



The perfect advice

Do you have any questions about choosing the right OTTO sealant and adhesive for your application or about professional processing? The experts from our application consulting service will be happy to help you:

☎ +49 8684 908-5300 | @ international@otto-chemie.com

Monday to Thursday: from 7:30 am – 4:30 pm | Friday: from 7:30 am – 1:30 pm

Primer consumption table

Primer consumption depends on the absorbency of the material of the adhesive edge and on the application method and can therefore only be stated approximately.

Linear metres per 100ml primer

Adhesive edges in mm	5	10	15	20
OTTO Cleanprimer 1101	150-250	75-125	50-80	35-60
OTTO Primer 1102	20-40	10-20	7-13	5-10
OTTO Primer 1105	30-90	15-45	10-30	7-20
OTTO Primer 1215	30-90	15-45	10-30	7-20
OTTO Primer 1216	150-250	75-125	50-80	35-60
OTTO Primer 1217	150-250	75-125	50-80	35-60
OTTO Primer 1218	50-120	25-60	16-40	12-30
OTTO Primer 1225	50-100	25-50	16-40	12-25
OTTO Cleanprimer 1226	150-250	75-125	50-80	35-60
OTTO Primer 1227	60-100	30-50	20-30	15-25

Minimum width of joints for the mounting of windows and outside doors

valid for sealants with 25 % movement capability

Elementlength	up to 1,5m	up to 2,5m	up to 3,5m	up to 4,5m	up to 2,5m	up to 3,5m	up to 4,5m
Type of window frame material	Minimum width of joints for a butted mounting b in mm				Minimum width of joints for a inner mounting b in mm		
Hard PVC (white)	10	15	20	25	10	10	15
Hard PVC and PMMA (dark) (colour extruded)	15	20	25	30	10	15	20
Hard PUR integral foam	10	10	15	20	10	10	15
Wood-aluminium-window	10	10	15	20	10	10	15
Aluminium-plastic sandwich frame (bright)	10	10	15	20	10	10	15
Aluminium-plastic sandwich frame (dark)	10	15	20	25	10	10	15
Wooden window frame	10	10	10	10	10	10	10

Contents

Application list with product recommendation	216
The OTTO360° service package	8
Fields of application	194
Product overview	2
Quantity charts	222



Terms and Conditions of Business of Hermann Otto GmbH

I. General provisions

1. All offers, supplies and agreements are based exclusively on our Terms and Conditions of Business.
2. Unless otherwise agreed, the terms and conditions in the version valid at the time of the buyer's order shall also apply to similar future contracts.
3. We explicitly contradict the Terms and Conditions of Business and Purchase of the purchaser. We are not committed to them, even if we did not contradict them at the time the contract was concluded.
4. Our offers are subject to change. Contracts and agreements are not binding until they have been confirmed by us in writing, especially if they change the present Terms and Conditions. Agreements entered by our field service employees are only effective if they have been confirmed by us in writing.
5. The purchaser is not permitted to set off counterclaims unless the counterclaims are undisputed or have been legally finalised. The purchaser is not entitled to a right of retention. This does not apply to business transactions with consumers, insofar as the right of retention is based on the same contractual relationship. A right to refuse performance on the part of the purchaser is excluded for business transactions with companies.
6. When contract manufacturing is carried out, if our customer has stipulated the recipes and/or equipment, it must assume liability for not infringing any third party industrial property rights owing to the production and/or equipment. If necessary, it must release us from potential third party claims on our first request.

II. Dispatch

1. Unless otherwise agreed, dispatch takes place at the expense and risk of the purchaser. When the goods are transferred to the forwarder or carrier or at the latest when the goods have left the factory or warehouse, the risk transfers to the purchaser. If the goods are damaged during transportation or the goods listed in the bill of lading are not delivered in full, the recipient of the goods must have the deliverer (in the case of dispatch by a carrier – the lorry driver; if sent by rail (Deutsche Bahn) – the receiving goods station) note it immediately in detail on the bill of lading and confirm same by signing it. The bill of lading with the note on damage must be handed over to us to enable us to assert claims for compensation on behalf of the purchaser; we are not committed to bring legal action to assert the claims, however we do commit ourselves to seizing such measures that enable the purchaser to assert claims by way of legal action. Even if free delivery to the receiving station of the purchaser has been agreed, the purchaser bears the transportation risk. If transport damage does occur, we give compensation to the same extent as we ourselves receive compensation for the transport damage. Compensation is given at our discretion either in the form of a free replacement delivery or a credit note for the amount to be reimbursed.
2. When dispatching the goods we are entitled to choose the means of conveyance and the shipping route without assuming any liability. This disclaimer does not apply if the Managing Director or Managing Directors or one of our executives has/have at least acted with gross negligence in the course of business transactions with companies or if the senior management or any one of our employees have acted with gross negligence in business transactions with consumers. We are only obliged to provide transport insurance if it is explicitly demanded. The purchaser must bear the costs.

III. Delivery period

1. Delivery periods are non-binding, even if they are included in our dispatch notifications or date confirmations. A separate written agreement is required for a claim to compliance with the delivery period.
2. Irrespective of our rights, if the purchaser is in arrears, the agreed term is extended by the period by which the purchaser is in arrears with its obligations under the present or past contracts. This applies analogously if a delivery date has been agreed.
3. If we fall behind, the purchaser must set an appropriate period of grace. When said period of grace expires the purchaser may cancel the contract if the goods have not been reported to be ready for dispatch by that time.
4. Any claims for compensation for a failure to meet delivery periods or dates are limited to the value of the contract unless the delay has been caused by the Managing Director(s) or one of our employees owing to negligence.
5. Cases of force majeure entitle us to delay delivery for as long as it is obstructed, plus a reasonable time for recommencing, or to cancel the contract owing to the part of the contract which has not been fulfilled. Strikes, lockout, riots and other circumstances which make delivery difficult or impossible are equivalent to force majeure, irrespective of whether they occur to us or one of our sub-suppliers. The purchaser can demand a statement from us as to whether we want to cancel or deliver within a reasonable period. If we fail to make a statement, the purchaser is entitled to cancel the contract. Deliveries to the buyer are subject to national or international regulations of foreign trade law, embargos or other legal prohibitions.

IV. Terms of Payment

1. Our invoices are due for payment within 30 days of the invoice date without any discount.
2. If the target date is not met, we charge interest on arrears at a rate equivalent to the respective interest rate for short-term bank loans, but in the amount of 5 percent points p.a. above the respective base interest rate in the case of legal transactions in which no consumer is involved, at 8 percent points p.a. above the relevant base interest rate.
3. If, after conclusion of the contract, significant negative circumstances arise for us with regard to the credit-worthiness of the buyer, we shall be entitled to demand reasonable security for his delivery. If the buyer does not comply with this request, we are entitled to withdraw from the contract. This right also applies for the buyer in the case of imminent danger without having previously sought the provision of adequate securities.
4. Payments shall only be deemed to have been affected when the amount is finally available on our account.

V. Retention of title to ownership

1. We reserve the right of ownership of the delivered goods (reserved goods) for both entrepreneurs and consumers until the respective purchase price claim has been settled.
2. The purchaser is entitled to process and sell the goods subject to retention of title to ownership by way of normal business transactions insofar as it is not in arrears with its payment. It is only entitled to resell or process the goods subject to retention of title to ownership providing that the accounts receivable from reselling or processing are transferred to us as stipulated in numbers 3 – 5. It is not authorised to dispose of the goods subject to retention of title to ownership in any other way.
3. The purchaser herewith assigns its accounts receivable from reselling and/or processing the goods subject to retention of title to us, irrespective of whether the goods subject to retention of title to ownership are sold to one or more purchasers or have been processed for one or more customers.
4. The purchaser is authorised to collect the accounts receivable from resale or processing assigned to us unless we revoke this authorisation, which we may do at any time. Insofar as our accounts receivable are due, the purchaser is under obligation to immediately pay the collected amounts to us. On no account is the purchaser authorised to assign the accounts receivable to any third party.
5. Unless we inform its customer ourselves, if we so request, the purchaser is under obligation to inform the customer immediately of the assignment of its accounts receivable to us and provide us with proof of such notification and send us the information and documents required for collecting the assigned accounts receivable together with this notification.
6. The purchaser is under obligation to inform us of garnishment or any other adverse action by a third party.
7. The authorisation of the purchaser to collect will be revoked if the terms of payment are not met or if the purchaser infringes contractual agreements, if the purchaser ceases to pay and if settlement or bankruptcy proceedings are opened.

VI. Instructions for use

1. In view of the fact that our products are used under very varied working conditions and for different applications, our instructions for use can only constitute general guidelines. If special requirements are made, which are beyond the scope of the applications and working conditions mentioned in the instructions for use, we are prepared to give more extensive advice for the purpose of support; however this does not constitute any kind of legal commitment on our part. Irrespective of this, owing to the many types of applications for our products and the varying conditions under which they are used, it is always necessary for the user to previously check all the product properties considered important for the respective purpose, and to verify them in practice. The information in the relevant up-to-date technical data sheet must be taken into account for this purpose.
2. Information on the amount to use given in our instructions for use represents average values taken from practical experience.

VII. Notification of defects, liability

1. All statements about suitability, processing and application of our products, technical advice and other information are given to the best of our knowledge; however, they do not release the purchaser from the obligation to carry out its own tests and experiments. If specific qualities or the assumption of any warranties have been agreed, they are only binding for us if they have been made explicitly in writing in the contract. The current technical datasheet – as can be accessed from our homepage on the Internet – is relevant for any claims for defects with regard to the quality and application of the product. It can also be made available in other ways at any time, if requested. If the seller deviates from instructions given there, we exclude any claim for defect or any other form of liability.
2. Commercial buyers must inspect the delivered goods immediately for any defects and, if a defect becomes apparent, notify us immediately in writing stating the batch number, the invoice number and the invoice date. If we do not receive notification, the goods are considered accepted. For purchasers who are not consumers this applies both to visible and invisible defects. If the purchaser is a consumer, he or she must lodge a complaint about obvious, visible defects within 14 days.
3. In the event that the goods that we deliver show any defects and the purchaser reports the defect in time within the deadlines stated in number 3, we will provide free replacement insofar as the defect existed at transfer of risk. If post-performance fails the purchaser has the right to choose between reduction of the payment and cancellation of the contract. Paragraph 5 below applies to any claims for damages or reimbursement of expenses.
4. In case of complaint the purchaser must grant us the opportunity to verify the complaint by sending material samples to us immediately if we so request. If the purchaser infringes this obligation, the purchaser is not entitled to claim for defects unless the infringement of this purchaser obligation neither hinders our verification of the cause of the damage nor makes it more difficult. We will assume the costs for sending us material samples and of sampling itself if the material delivered was defective. This does not prejudice cancellation or return rights which may ensue from consumer protection rights.
5. We assume liability towards the purchaser for compensation – irrespective of the legal reason be it under contract or owing to tort – only in cases of intent, gross negligence, owing to injury of life, the body or health or because an agreed quality is lacking or because of the infringement of important (cardinal) contractual duties or other mandatory statutory regulations. Compensation for the infringement of important contractual duties is restricted to foreseeable damage typical for the contract and, in this case, to a maximum of € 500,000. This applies unless our legal representative or our vicarious agents have acted with intent or gross negligence or if it is a case of injury of life, the body or health. A shift in the burden of proof to the disadvantage of the purchaser is not implied by the above provisions. The provisions above apply analogously to compensation for futile efforts.

VIII. Liability for compensation for damage due to culpability; reimbursement of expenses

1. We shall not be liable for damage caused by unsuitable, inappropriate or not intended use of the goods.
2. Insofar as liability presupposes culpability, our liability for compensation, irrespective of the legal grounds – be it based on a contract or a tort – is restricted in compliance with the following provisions. A shift in the burden of proof to the disadvantage of the purchaser is not implied.
3. We do not assume liability for ordinary negligence, insofar as it does not constitute a breach of important contractual duties. Important contractual duties are, in particular, the obligation to deliver the object of delivery punctually and without any major deficits, and the protection obligations for the benefit of the purchaser, in particular for health and life.
4. Insofar as the grounds make us liable for compensation for damages, this liability is restricted to damage which we predicted to be a potential consequence of a breach of contract at the time the contract was concluded, or which we should have foreseen, had we applied due diligence. Our duty to compensate for material damage and further financial losses resulting from it is limited to a sum of maximally € 500,000 per claim. In the course of business with entrepreneurs liability for damages caused by delay is limited to the value of the order.
5. The above exemptions from and limitations of liability also apply to the compensation for wasted expenditure on the part of the purchaser.
6. The above exemptions from and limitations of liability apply to the same extent to our organs, legal representatives, employees and other vicarious agents.
7. Insofar as we give technical information or advice, and this information or advice is not part of the performance or services we owe under the terms of contract, we do so free of charge and to the exclusion of any liability.
8. The above limitations do not apply to liability for intentional acts, to guaranteed quality features, to injury to life, body or health or under the terms of the Product Liability Act.

IX. Place of performance and legal venue

The place of performance for both parties to the contract is D-83413 Fridolfing if the purchaser is an entrepreneur. For all disputes arising from the business relations – including bill of exchange and cheque issues – in the case of business transactions with traders the legal venue is D-83278 Traunstein.

X. Information in accordance with § 36 of the German Law on Alternative Dispute Resolution for Consumer Disputes

We are neither willing nor obliged to participate in dispute resolution processes in accordance with the Law on Alternative Resolution for Consumer Disputes.

XI. Final clauses

1. German law alone shall apply to the business relationship with our customers; foreign law is excluded under all circumstances. The UN Convention on Contracts for the International Sale of Goods (CISG) is not however applicable.
2. If our customers export our merchandise to territories outside the Federal Republic of Germany, we assume no liability if third-party industrial property rights are infringed. The purchaser is obliged to pay damages caused by us exporting the merchandise if we did not supply it explicitly for export purposes.

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