



ATLAS EPOXY GROUT (1-10mm)

- quick application and profiling, extra smooth Surface
- for kitchens and bathrooms - resistant to juices, acids and greases
- recommended for garages, boiler rooms, showers, saunas and swimming pools



FOR WALLS
AND FLOORS



LAYER
THICKNESS



APPLY
WITH FLOAT



FOOT TRAFFIC
AFTER 24 h

Innovative technologies

ATLAS EPOXY GROUT is a new generation grout of extraordinary durability and chemical resistance designed for places subject to intensive use. The use of epoxy technology enables to form perfect aesthetics and offers parameters many times higher than given by traditional cement grouts.

Special properties of ATLAS EPOXY GROUT are most of all:

- **GUARANTEED COLOUR** - thanks to the use of special, carefully selected inorganic pigments and high resistance to external factors.

- **100% TIGHTNESS** - thanks to very low water absorption, it is resistant to water

Properties

ATLAS EPOXY GROUT is a product consisting of two components – A and B which have to be mixed before application. Component A is a mixture of epoxy resin with specially selected aggregate, fillers, pigments and modifying and decorative additives. Component B is a high quality polyamide hardener for epoxy resins.

Very high mechanical strength – forms very hard grout, recommended for intensively operated areas, has flexural strength 8 times higher, compressive strength 3 times higher and abrasion resistance 4 times higher than the standard requirements.

High resistance to chemical factors - (including acids, fats, aggressive and colouring factors such as alcohol (wine, spirit), juice, sauces, fats, jam, (becomes chemically resistant 7 days after its application)

Extra smooth surface - makes it easy to care for and creates a perfect end result.

Easy to apply, wash and profile.

Hygiene and safety of use - owing to extremely low grout absorptiveness

COLORISTICS

Manufactured in 12 colours – matching the colours of ATLAS grouts, silicones and trims.

001 BIAŁY	001 WHITE
202 POPIELATY	202 ASH
035 SZARY	035 GRAY
136 SREBRNY	136 SILVER
037 GRAFITOWY	037 GRAPHITE
018 BEŻ PASTELOWY	018 PASTEL BEIGE
019 JASNOBEŻOWY	019 LIGHT BEIGE
020 BEŻOWY	020 BEIGE
120 TOFFI	120 TOFFI
024 CIEMNOBRĄZOWY	024 DARK BROWN
212 SZAROBRAZOWY	212 GRAY BROWN
023 BRĄZOWY	023 BROWN

USE

Perfect for kitchens, bathrooms, showers, garages, etc.

Can be used with any cladding on any substrate type, indoors and outdoors.

Recommended for dry, damp and wet rooms, onto floor heating and deformable substrates.

TYPES OF COATINGS TO BE GROUTED*	
ceramic tiles	+
terracotta	+
gres (porcelain, laminated)	+
natural stone cladding (granite, marble, travertine, syenite, slate, etc.)	+
clinker and cotto	+
ceramic mosaic	+
glass mosaic	+
glass tiles (scratch resistant)	+
delicate patterned tiles	+
mirrors, mirror tiles and other surfaces susceptible to scratches	+
metal tiles and aluminum sheets	+
lux spheres	+
clinker brick	Use ATLAS CERAMIC GROUT

* before each use, check the effect of the grout on the tiles, taking into account discoloration and scratches

DIMENSIONS OF TILES	
small and medium size tiles ($\leq 0.1 \text{ m}^2$)	+
large size tiles ($\leq 0.25 \text{ m}^2$)	+
large tile size ($> 0.25 \text{ m}^2$)	+
slim type boards	+

PLACE OF INSTALLATION	
low traffic surfaces	+
surfaces with medium traffic	+
high traffic surfaces	+
rooms with low operational loads at facilities of all types	+
surfaces periodically washed with water	+
surfaces frequently washed with water	+
surfaces that can be washed with water and detergents (used in the household)	+

TYPE OF THE BASE UNDER THE TILES - standard	
cement floors and screeds	+
anhydrite screeds	+
cement and lime-cement plasters	+
gypsum plasters	+
aerated concrete wall	+
wall made of bricks or hollow silicate blocks	+
wall made of bricks or hollow ceramic blocks	+
plaster wall	+

TYPE OF THE BASE UNDER THE TILES - difficult	
concrete	+
terrazzo	+
mineral, dispersion and reactive sealing coatings	+
dry gypsum boards	+
floor screeds (cement or anhydrite) with built-in water or electric heating	+
floor screeds with built-in adhesive-backed heating mat	+
plasters with built-in heating	+
gypsum boards (walls and built-in elements, including fireplace portals)	+
gypsum boards	+
fiber cement boards	+
old ceramic or stone facings (tile on tile)	+
resin-based varnishes for concrete, bonded to the substrate	+
dispersion, oil based paint coatings bonded to the base	+
plank floors (thickness $> 25 \text{ mm}$)	+
OSB/3 boards, OSB/4 boards and particle boards on the floor (thickness $> 25 \text{ mm}$)	+
OSB/3 boards, OSB/4 boards and chipboards on the wall (thickness $> 18 \text{ mm}$)	+

TYPES OF OBJECTS - individual and collective housing construction	
living rooms, kitchens, bathrooms, laundries, halls and hallways	+
garage in individual construction	+
garage in collective construction	+
passageways	+

OBJECT TYPES - office buildings	
office rooms	+
kitchens	+
showers and bathrooms	+
corridors and stairwells	+
large garages	+

TYPES OF OBJECTS - public use, health services, education, trade, services, places of worship	
lobbies, corridors and stairwells	+
office rooms	+
showers and bathrooms	+
industrial laundries**	+
industrial kitchens with adjoining premises**	+
halls in nurseries, kindergartens, schools and other places of education and culture	+
lecture halls, seminar rooms, etc.	+
warehouses	+
reception rooms, wards, doctor's offices and other medical institutions	+
premises in medical institutions (sterilization with ultraviolet lamps is required)	+
sterile rooms in medical institutions, operating rooms, etc.* *	+
pharmacies along with ancillary facilities	+
rooms for sacred objects	+
retail and auxiliary premises of large shopping centers	+
premises for various types of services	+
large garages and car parks	+
diagnostic stations	+
ancillary facilities in sports stadiums	+
pool bowls	+
swimming pools: adjacent premises (changing rooms, showers, etc.)	+
beaches near pools, balneological facilities**	+
premises in SPA facilities, saunas and jacuzzis	+
car dealerships	+
auto repair shops	+
single and multiple car washes	+

** chemical loads need to be sized and resistance confirmed

TYPES OF OBJECTS - objects of communication construction	
railway and bus stations: platforms, communication passages	+
railway and bus stations: trading floors, waiting rooms	+
railway and bus stations: auxiliary and adjacent premises	+
airports: halls, communications, waiting rooms	+
airports: support and adjacent premises	+

TYPES OF OBJECTS - production and industrial facilities	
production facilities: food industry and fruit and vegetable **	+
production premises: premises without exposure to aggressive chemicals	+
production facilities: production of artificial fertilizer**	+
production: adjoining premises (cloakrooms, washing rooms, office premises, etc.)	+
agriculture: livestock buildings together with adjoining premises	+
washing, industrial premises, as well as industrial premises requiring washing with large amounts of water	+
warehouses,	+

** chemical loads need to be sized and resisted to be confirmed

Technical data

Density after mixing the components	1.55 kg/dm ³
Min./max. joint thickness	1 mm-10 mm
Mortar preparation temperature, substrate and ambient temperature during work	from +5 °C to +25 °C
Component A mixing time	approx. 3 minutes
Mass mixing time	approx. 3 minutes
Pot life	примерно 45 минут
Cleaning	Max. 10 – 20 minutes
Foot traffic	approx. after 24 hours
Full mechanical resistance	after 7 days
Full chemical resistance	after 7 days

The time shown in the table is recommended for the application in temperature 23°C and humidity 55% (approx.)

Technical requirements

The product conforms to PN-EN 13888:2010 standard. Declaration of Conformity No. 191.

Reactive resin based mortar for ceramic tiles grouting	PN-EN 13888:2010
Class	RG
Flexural strength	≥ 30,0 N/mm ²
Compressive strength	≥ 45,0 N/mm ²
Shrinkage	≥ 1.5 N/mm ²
Water absorption after 240 min.	≤ 0,1 g
Abrasion resistance	≤ 250 mm ³

Grouting

Substrate preparation

Before grouting, carefully clean the joints between tiles of dust and any contamination. The joints should be of even depth - while fixing tiles, remove excessive adhesive immediately. One can begin grouting only when the adhesive sets, not earlier than 24 hours since fixing the tiles. In case of use of ATLAS PLUS EXPRESS or ATLAS GEOFLEX EXPRESS adhesive, one can begin grouting already after 4 hours. Directly before grouting clean the tiles and joints with a damp sponge. Grouting can commence when they dry completely.

Grout preparation

Check the table of chemical resistance available on www.atlas.com.pl/en before the grout use. The epoxy mortar is delivered as a set consisting of two components: the mass (A) and the hardener (B), in appropriate mixing ratio. **All works connected with preparation must be carried out in temperature between +10°C and +25°C.** It is recommended to keep the grout in the room of use for min. 12 hours in the application conditions. Mix the component A thoroughly (approx. 3 min), then add component B (hardener), keep the mixing ratio prepared in the package. Mix the mass with a low-speed hand mixer until mass of homogenous consistency and colour is formed (min. 3 minutes). Do not heat the ready-to-use mass in warm water. The mass must be used up within approx. 45 minutes in temperature 20-23°C.

Grouting and cleaning

The mass must be applied into the joints with a rubber spatula. Clean the cladding surface immediately after grouting (not later than after 20 minutes) using hard sponges soaked with clean water, with circular moves, paying attention not to damage the already applied grout. Profile the grout (if necessary) after approx. 1 hour with the use of a cellulose sponge until perfectly smooth surface is formed. Then wash the cladding with a wet sponge, frequently rinse the sponge.

To remove ATLAS EPOXY GROUT stains or dirt from ATLAS EPOXY GROUT, use ATLAS EPOXY GROUT AGENT REMOVAL, in accordance with the rules described in the Technical Data Sheet of this product. Be careful not to apply the agent to the epoxy joint, as this may lead to its discoloration and loosening.

Cladding use

Foot traffic on the grouted or fixed tiles is possible after 24 hours. The grout becomes chemically resistant 7 days after its application.

Consumption

The grout consumption depends on the width and the depth of the joints and the type and size of the tiles used. It can be calculated

for a given surface according to the formula:

$$z = (a1 + a2) / a1 \cdot a2 \times S \times b \times c \times g$$

z – amount of grout needed [kg]

a1 and a2 – tile length and width [m]

S – surface to be grouted

b – joint depth [m]

c – joint width [m]

g – grout density [kg/m³] – for ATLAS EPOXY GROUT g = 1500

Examples of consumption:

Tile size	Width of joint	Depth of joint	Consumption
0,02m x 0,02m	0,002 m (2,0 mm)	0,002 m (2,0 mm)	approx. 0,65 kg/m ²
0,10m x 0,10m	0,003 m (3,0 mm)	0,0075 m (7,5 mm)	approx. 0,70 kg/m ²
0,30m x 0,30m	0,004 m (4,0 mm)	0,0075 m (7,5 mm)	approx. 0,40 kg/m ²
0,30m x 0,60m	0,005 m (5,0 mm)	0,0075 m (7,5 mm)	approx. 0,30 kg/m ²
0,50m x 0,50m	0,005 m (5,0 mm)	0,0075 m (7,5 mm)	approx. 0,25 kg/m ²
0,60m x 0,60m	0,005 m (5,0 mm)	0,0075 m (7,5 mm)	approx. 0,20 kg/m ²

Packaging

Plastic buckets 2 kg.

The bucket contains 2 bags with component A (2 x 0.92 kg) and 2 packages with component B (2 x 0.08 kg). Plastic buckets 5 kg. The bucket contains 2 bags with component A (2 x 2.30 kg) and 2 packages with component B (2 x 0.20 kg).

SAFETY REGULATIONS

For component A.

Contains epoxy resin (average molecular weight ≤ 700), and alkyl (C12-C14) glycidyl ether.

Causes serious eye irritation. Causes skin irritation. Harmful to aquatic life with long-lasting effects. To avoid risks to human health and the environment, comply with the instructions for use. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Do not eat, drink or smoke when using this product. Wear protective gloves. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Dispose of contents/container according to local regulations.

For component B.

Contains:

3-Aminomethyl-3,5,5-trimethylcyclohexylamine.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction. Harmful to aquatic life with long-lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Do not eat, drink or smoke when using this product. Wear protective gloves. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Store locked up. Dispose of contents/container according to local regulations.

STORAGE AND TRANSPORTATION

The product must be transported and stored in tightly sealed original packages, in dry conditions in temperatures between +10°C and +25°C in separate, well-ventilated storage areas without contact with food, protecting from rain and sunlight. Avoid entry into sewers, groundwater, water bodies, soil.

Shelf life in conditions as specified is 24 months from the production date shown on the packaging. The above requirements must be strictly observed. In case of non-compliance with the above temperature conditions, loss of tightness of the film packaging and precipitation of components may occur. If the product is frozen - to the irretrievable loss of its properties and technical parameters.

Important additional information

Before grouting the entire cladding, make a trial grouting on a small part of it (preferably on the tile waste) and carry out control cleaning to determine the impact of the grout on the type of tiles used. If, as a result of the test, discolorations appear on the tiles, they should be protected with, for example, ATLAS IMPREGNATE FOR GROUTS AND TILES. Depending on the absorbency of the tile, the impregnation should be applied once or twice at 2-hour intervals between applications.

Use grout of the same manufacturing date and the same batch number for each individual surface.

During storage of the product, the consistency of individual ingredients may change, for example due to exposure to different temperatures. However, this is not a defect of the product. The grout gets its final consistency after mixing both ingredients.

Silicones and grouts are manufactured on the basis of different types of binders, therefore differ in the degree of smoothness and gloss. These factors naturally influence the colour shade of each product type.

Protect fresh grout against temperatures below +5 °C and precipitation until fully hardens.

In joints located in particular parts of cladding (internal and external corners, expansion joints), finishing beads should be filling with permanently elastic materials e.g. ELASTIC SANITARY SILICONE ATLAS.

The tools must be cleaned with water directly after use. Cleaning at a later time is very difficult and can be done only with ATLAS FOR REMOVING STAINS AFTER EPOXY GROUTS..

The colour shown on the package front has a view character. Due to difference in technologies used in poligraphy and construction any differences between shades of a particular product colour and its simulation shown on the package does not constitute the basis for any claims against the editor as well as ATLAS. The particular colour shade depends on its texture homogeneity, conditions of use, substrate and ambient conditions as well as lighting conditions. The actual colour shade may to some extent differ from the one shown on the label. Use the grout of the same manufacturing date and the same batch number for each individual surface.

The information included in the Product Data Sheet constitutes basic guidelines concerning the use of the product and does not release from the obligation to conduct work according to the best construction practices and health and safety at work regulations. On the date of issue of this Product Data Sheet, all previous Product Data Sheets become invalid. The accompanying documents for the product are available at www.atlas.com.pl.

The content of the Product Data Sheet as well as the symbols and trade names used in it are the property of Atlas sp. z o. o. Their unauthorized use will be sanctioned.

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TABLE OF CHEMICAL RESISTANCE OF ATLAS EPOXY GROUT according to standard EN 12808-1:

Designations: + fully resistant, (+) partially resistant, - not resistant

REAGENT		CONCENTRATION	OPERATION AT TEMP. 20°C	
			SHORT-TERM CONTACT	PERMANENT CONTACT
INORGANIC ACIDS	HYDROCHLORIC ACID	35%	+	-
		10%	+	(+)
	SULFURIC	36%	+	(+)
		10%	+	(+)
	PHOSPHORIC	50%	+	-
		10%	+	-
	NITRIC	20%	+	(+)
		5%	+	(+)
ORGANIC ACIDS	ACETIC ACID	10%	+	-
		5%	+	-
		2,5%	+	(+)
	LACTIC	10%	+	-
		5%	+	-
		2,5%	+	(+)
ALKALI AND SALT	SODIUM HYDROXIDE AMMONIA	20%	+	(+)
		10%	+	(+)
	SODIUM CHLORIDE	25%	+	+
		10%	+	+
	SODIUM HYDROXIDE	saturated solution	+	+
	AMMONIA	20%	+	+
FUEL AND OILS	PETROL		+	(+)
	ENGINE OIL		+	+
	FUEL OIL		+	+
SOLVENTS	ACETONE		+	-
	XYLENE		+	(+)
	ETHYLENE GLYCOL		+	+
	GLYCEROL		+	+
	PETROL LACQUER		+	+
	WASHING LIQUID		+	+
CONSUMER SUBSTANCES	VINEGAR		+	-
	VODKA		+	+
	ALCOHOL		+	(+)
	BEER		+	+
	WINE		+	+
	APPLE JUICE		+	+
	CHERRY JUICE		+	+
	SUGAR (saturated solution)		+	+
	VEGETABLE OIL		+	+