

# **ATLAS WODER E**

## quick-drying liquid film

- waterproofing under ceramic tiles
- for bathrooms, kitchens, balconies
- fixing of tiles just after 2 hours for damp proofing
- fixing of tiles on floors after 4 hours
- consumption on the wall approx. 1 kg/m<sup>2</sup>, consumption on the floor approx. 2.0 kg/m<sup>2</sup>
- highly flexible, with high adhesion
- component of a set of waterproofing products



### Innovative technology

ATLAS WODER E is a modern material whose formulation consists exclusively of the highest quality water-based copolymer dispersions together with appropriately selected fillers and additives. The meticulously selected proportions ensure optimum performance of the finished coating, creating a waterproof material commonly referred to as fast-drying liquid film. Its use together with additional products: sealing tapes and special flanges, makes it possible to achieve a 100 % watertight coating even on difficult surfaces.

### **Properties**

ATLAS WODER E is manufactured as a ready-to-use mass based on polymer dispersion, fillers and modifying agents.

Fast drying - can be recoated after 1 hour and ceramic cladding can be applied already after:

- 2 hours for damp proofing (walls in bathrooms and kitchens),
- 4 hours for waterproofing (floors in bathrooms and kitchens balconies).

Highly flexible - can be used on substrates with wall and floor heating systems and other surfaces subject to deformation.

Resistant to substrate cracking - thanks to special polymers, the compound bridges cracks up to 0.8 mm wide, which means that the waterproofing will remain tight even if the substrate underneath scratches.

High adhesion to typical building substrates - e.g. concrete: approx. 2.2 MPa

Frost resistant - it does not lose its properties even in the case of repeated freeze-thaw cycles

### Resistant to UV, frost and ageing.

Coating seal – forms a thin coat, which has to be protected against mechanical damage, e.g. resulting from foot traffic or impact – must be covered with screeds, plasters or cladding.

Can be used directly under tiles – replaces bitumen membranes and traditional foils requiring execution of screed before fixing the tiles.

Seamless material - this type of material allows a continuous coating to be achieved, without the need for overlaps and special joints as is the case with roll materials.

Application over a wide temperature range - material can be applied at substrate and ambient temperatures between 5 and 30 °C.

**Comfortable and easy to apply** - dispersion form of product requires mixing the package content before use only It is easily applied to plasterboard, OSB boards, cement or gypsum plaster, metal and PVC components.

Enables gradual use over a 12-month period - after opening the bucket and partial use, the rest of the mass can be used up within the whole shelf life period, i.e. 12 months since the production date.

Thickness control of the applied layer - whether applied by brush, roller or steel trowel.

Bind practically without shrinkage - linear shrinkage is kept to a minimum - no shrinkage cracks appear during drying.

ATLAS WODER E is intended for waterproofing wet rooms (bathrooms, shower rooms, etc.) and balconies.

Seals wall and floor surfaces, around water and sewer pipe penetrations - together with embedded FLOOR OR WALL SURFACES.

Enables installation of flexible protection of corners and expansion joints — along with ATLAS SEALING TAPE and CORNERS or ATLAS HYDROBAND 3G tapes and corners embedded, secures the edges of joints between walls and screeds as well as the expansion joints.

Proofs surfaces around walls and floors, around passages of water and sewage system pipes – together with FLOOR or WALL RINGS embedded.

TYPES OF WATERPROOFING	
outdoor - light (water flow)	+
outdoor - medium (standing water)	+
outdoor - heavy (water under pressure)	use ATLAS WODER DUO
indoor - light (water flow)	+
indoor medium (standing water)	+
indoor heavy (water under pressure)	use ATLAS WODER DUO

TYPES OF OBJECT	
residential housing	+
public access, educational, office, healthcare buildings	+
commercial and service buildings	+
sacral buildings	+
industrial construction and multi-storey garages	+
industrial warehouses	+
infrastructure	+
hotels, SPA objects	+

PLACE OF APPLICATION	
surfaces of low traffic	+
surfaces of moderate traffic	+
surfaces of heavy traffic	+
kitchen, bathroom, laundry room, garage (in individual housing)	+
terraces	use ATLAS WODER DUO
balconies, loggias	+
underground parts of the building - foundations, cellars	use ATLAS WODER DUO
external slab stairs	+
external beam stairs, e.g. bracket stairs	+
internal communication routes	+
plinth cladding	+
technological tanks, pools, fountains, jacuzzi, balneotechnology (with no aggressive chemicals in use)	use ATLAS WODER DUO
drinking water tanks	use ATLAS WODER DUO
liquid manure tanks	use ATLAS WODER DUO
gas oil tanks	use ATLAS WODER DUO
communal sewage tanks	use ATLAS WODER DUO
fire-water reservoirs	use ATLAS WODER DUO
saunas	+
showers, washing facilities, rooms washed with large quantities of water	+

substrate type - standard	
cement screeds and floors	+
anhydrite screeds	+
cement, cement-lime plasters	+
gypsum plasters in damp and wet zones of rooms	+
walls made of cellular concrete*	+
walls made of silicate brick or hollow blocks*	+
walls made of ceramic brick or hollow blocks*	+
walls made of gypsum blocks*	+

<sup>\*</sup> plastering is not required for walls with full joints

substrate type - difficult	
concrete	+
terrazzo	+
dry substrates made of plasterboards	+
screeds (cement) with heating system embedded, water and electric one	+
plasters with wall heating system	+
plasterboards	+
gypsum-fibre boards	+
cement-fibre boards	+
existing ceramic or stone cladding (tile on tile)**.	+
concrete resin lacquers bonded to the substrate	+
epoxy resin coatings	+
timber floors (thickness >25mm)	+
OSB/3, OSB/4 and particle board on the floor (thickness > 25 mm)	+
OSB/3, OSB/4 and particle board on the wall (thickness > 18 mm)	+
metal and steel surfaces***	+
plastic surfaces	+

<sup>\*\*</sup> if bearing capacity confirmed and full joints technology used

### **Technical data**

Density of the product	approx. 1.4 g/cm³	
Substrate and ambient temperature	from +5 °C to +30 °C	
during application	1rom +5 C to +30 C	
Drying time	≤ 30 minutes	
Second coat application	after approx. 1 hour	
Implementation of the protective		
layer - tiling:		
-for damp proofing	- minimum after 2 hours*	
-for waterproofing	- minimum after 4 hours*	

<sup>\*</sup>Times specified for a temperature of 20 °C and 55% humidity - at lower temperatures and higher humidity the time after which tiles can be glued may be longer.

The total thickness of the coating should be selected according to the water exposure conditions of the surface to be sealed.

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Type of waterproofing - example application site	Method of application	Coating thickness
anti-moisture	I layer brush II layer brush	0.8 mm
waterproofing - floors in bathrooms and kitchens - balcony	I layer brush 2nd layer 4 mm notched trowel	1.0 mm

Note: the values given in the table refer to a dry insulation coating on an even, non-absorbent substrate.

### **Technical requirements**

Quick-drying liquid film ATLAS WODER E is a component of the product set for waterproofing ATLAS WODER E ITB-KOT-2018/0491 edition 1 Domestic Declaration of Conformity No. K052.

### Waterproofing

#### Substrate preparation

Detailed indications of substrate preparation, depending on the type of substrate, are shown in the table at the end of the Technical Sheet.

#### The substrate should be:

**stable** - i.e. strong, stable and free from dust, dirt, salt efflorescence and weakly adhering substrate elements, remains of old paints, oils and other substances which may impair the membrane bonding. Any substrate scratches and defects must be widened mechanically and filled with cement mortar, e.g. ATLAS TEN-10, ATLAS ZW 330. Dusty substrates and those made of gypsum materials must be grinded and dusted

**even** - for levelling the substrate in case of larger irregularities, e.g. ATLAS ZW 330 levelling mortar, ATLAS SMS, SAM or POSTAR floor bases can be used.

**cleaned** - from layers that may weaken adhesion of the waterproofing coat, in particular from dust, dirt, lime, oil, grease, wax, salt efflorescence, oil and emulsion paint residues; substrates covered with algae, fungi, etc., should be cleaned and protected with ATLAS MYKOS PLUS or MYKOS NR 1,

**dry** - the surface should be completely dry, which should be confirmed by a 'film test'. The test consists of laying a plastic film over an area of approximately 1m<sup>2</sup>. If condensation appears on the inner surface of the film after 72 hours, such a substrate is not yet suitable for waterproofing.

<u>seasoned</u> - freshly made surfaces can be sealed after they have been properly seasoned,

primed - ATLAS UNI-GRUNT, ATLAS UNI-GRUNT ULTRA.

Detailed indications of substrate preparation, depending on the type of substrate, are shown in the table at the end of the Technical Sheet.

### Mass preparation

ATLAS WODER E is produced as a ready-to-use, homogeneous paste. It must not be combined with other materials, diluted or thickened. Once the bucket has been opened, its contents should be stirred to even out the consistency (a slow speed mixer is recommended).

### Proofing

The waterproofing coat should be applied in at least two layers. The first one is applied with a brush, starting from the places where ATLAS SEALING TAPES, CORNERS and RINGS will be additionally applied. Sink these accessories in the freshly applied ATLAS WODER E compound. The second coat can be applied after the first one is completely dry (after about 1 hour). Subsequent coats can be applied with a brush or steel float.

### Finishing work

The set coating (after approx. 24 hours) should be permanently covered with floor, plaster or facing. The proofed surfaces must be protected against water action within approx. 3 days.

<sup>\*\*\*</sup> protected against corrosion

### Consumption

Consumption depends on water exposure conditions (see TECHNICAL DATA):

- damp proofing: 1.0 kg/m<sup>2</sup>,
- waterproofing: approx. 2.0 kg/m<sup>2</sup>.

### **Packaging**

Plastic buckets: 2 kg, 5 kg, 15 kg.

### **Safety information**

Safety information is given on the product packaging and in the Safety Data Sheet, available at www.atlas.com.pl.

### Storage and transport

Safety information is provided on the product packaging and in the Safety Data Sheet available at <a href="https://www.atlas.com.pl">www.atlas.com.pl</a>.

Shelf life of the product is 12 months from the production date shown on the packaging.

### Important additional information

Caution. When carrying out waterproofing on OSB, sealant tapes should be pasted along the joints of the OSB.

Tools should be cleaned with clean water, immediately after use. Difficult-to-remove residues of the compound are washed off with a product for removing residues of products based on polymer dispersions ATLAS RESIN AWAY.

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 <a href="https://www.atlas.com.pl">www.atlas.com.pl</a>.

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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## Specific indications for the preparation of the substrate, depending on its type.

Substrate type	Information on substrate preparation
Freshly applied screed	required moisture content of the substrate 2.0 % CM
ATLAS SMS 15	- after approx. 12 hours for an undercoat thickness of 1-5 mm
	- after approx. 24 hours for substrate thicknesses over 5 mm
Freshly applied screed	required moisture content of the substrate 2.0 % CM
ATLAS SMS 30	- after approx. 1 day for an undercoat thickness of 3-5 mm
	- after approx. 4 days for a substrate thickness of 6-10 mm
	- after approx. 5 days for a substrate thickness of 11-20 mm
	- after approx. 6 days for an undercoat thickness of 21-30 mm
Freshly applied screed	Moisture content of the primer 4.0
ATLAS SMS 80	- after approx. 4 days for a thickness of 25-40 mm
	- after approx. 6 days for a thickness of 41-60 mm
	- after approx. 9 days for a thickness of 61-80 mm
- 11 11 1	required moisture content of the substrate 2.0 % CM
Freshly applied screed	- after approx. 3 days for a substrate thickness of 1.0-3.0 cm
ATLAS POSTAR 10	- after approx. 5 days for a substrate thickness of 3.1-5.0 cm
Faceble and indicated	- after approx. 16 days for a substrate thickness of 5.1-10.0 cm
Freshly applied screed ATLAS POSTAR 20	required moisture content of the substrate 2.0 % CM - after approx. 3 days for a substrate thickness of 1.0-3.0 cm
ATLAS POSTAR 20	- after approx. 3 days for a substrate thickness of 1.0-3.0 cm
	- after approx. 4 days for a substrate thickness of 5.1-8.0 cm
Freshly applied screed	required moisture content of the substrate 2.0 % CM
ATLAS POSTAR 60	- after approx. 1.5 days for a substrate thickness of 1.0-3.0 cm
ATEAST OSTAIL 00	- after approx. 2 days for a substrate thickness of 3.1-5.0 cm
	- after approx. 7 days for a substrate thickness of 5.1-8.0 cm
Freshly applied screed	required moisture content of the substrate 2.0 % CM
ATLAS POSTAR 80	- after approx. 12 hours for a substrate thickness of 1.0-3.0 cm
	- after approx. 24 hours for a substrate thickness of 3.1-5.0 cm
	- after approx. 72 hours for a substrate thickness of 5.1-8.0 cm
Other cement screed	required moisture content of the substrate 2% CM
	- seasoning minimum 28 days
	Prime with one of the emulsions:
	- ATLAS UNI-GRUNT
	- ATLAS UNI-GRUNT ULTRA
Freshly applied screed	required moisture content of the substrate 0.5 % CM
ATLAS SAM 100	- approx. 7 days for a substrate thickness of 0.5-3 cm
	Prime with one of the emulsions:
	- ATLAS UNI-GRUNT
	- ATLAS UNI-GRUNT ULTRA
Freshly applied screed	required moisture content of the substrate 0.5 % CM
ATLAS SAM 200	- approx. 18 days for an underlay thickness of 2.5-4.0 cm
	- approx. 28 days for an underlay thickness of 4.1-6.0 cm
	Prime with one of the emulsions: - ATLAS UNI-GRUNT
	- ATLAS UNI-GRUNT ULTRA
	If a white surface deposit has appeared while the primer is drying, it should be removed mechanically by
	sanding and then the entire surface should be vacuumed. Sanding the primer speeds up the drying
	process.
Freshly applied screed	required moisture content of the substrate 0.5 % CM
ATLAS SAM 500	- approx. 7 days for a substrate thickness of 2.0-4.0 cm
	- approx. 18 days for a foundation thickness of 4.1-6.0 cm
	Prime with one of the emulsions:
	- ATLAS UNI-GRUNT
	- ATLAS UNI-GRUNT ULTRA
Cement and anhydrite screeds	Prime with one of the emulsions:
with floor heating (heating	- ATLAS UNI-GRUNT
screed)	- ATLAS UNI-GRUNT ULTRA
	The cladding must be suitably heated before gluing.
Terrazzo	Degrease the surface thoroughly and, in the case of pasted terrazzo, remove the top part or all of it and
	make a new primer.
Bricks or hollow bricks of	Prime with one of the emulsions:
calcium-silicate, ceramic or	- ATLAS UNI-GRUNT
cellular concrete	- ATLAS UNI-GRUNT ULTRA

	A levelling layer (plaster) is required. The execution of waterproofing directly on unplastered masonry is only possible if the dimensional tolerance of the substrate is adequate. In this case, it is necessary to make the wall into a full joint (or to complete the jointing) and to repair any cavities and irregularities using ready-made mortars.
Cement and cement-lime plasters (for 2 cm thick plaster)	- minimum curing time of 7 days* (manual laying) - minimum curing time 14 days* (machine laying)
	Prime with one of the emulsions:
	- ATLAS UNI-GRUNT
	- ATLAS UNI-GRUNT ULTRA
Gypsum plasters (for 2 cm thick plaster)	- minimum curing time of 14 days* (hand and machine laying).
	Prime with one of the emulsions:
	- ATLAS UNI-GRUNT
	- ATLAS UNI-GRUNT ULTRA
	If the gypsum plaster is made in a wet room then it must be carefully protected against moisture.
Substrates to be levelled with	- after 24 hours at a layer thickness of 5 mm
ATLAS ZW 330 mortar	- after 48 hours at a layer thickness of 10 mm
	- after 72 hours with a layer thickness of 20 mm
	- after 96 hours with a layer thickness greater than 20 mm
Concrete floors	- a minimum of 21 days seasoning time;
	- optimum humidity < 4% CM.
	- absolutely clean from any shuttering oil residues and other substances that may impair adhesion.
	- Missing areas, chipping and other defects should be filled with ATLAS TEN-10 or ATLAS ZW 330 mortars.
Oil paint and resin varnish	- Remove coatings with poor adhesion to the substrate mechanically.
coatings	- Stable coatings, well bonded to the substrate: sand, vacuum.
	- gypsum putty used for levelling the substrate remove.
OSB, chipboard and plank	- check the type of boards used, OSB/3 and OSB/4 boards (according to PN-EN 300:2007) may be used
flooring - the layering should be	on the floors, with a minimum thickness of 25 mm (22 mm in the case of installation on ATLAS M-
designed	System), and wall cladding min. 18 mm,
and made in such a way as to	- check the stability of the sheathing on the substructure; the panels must not buckle under operational
prevent deformation that could	loads; if necessary, tighten an additional, stiffening layer of panels,
lead to damage to the cladding.	- Matt down the surface using 40-60 grit sandpaper,
	- clean the surface of any dust that has formed,
Existing ceramic or stone tile	- Check adherence of existing cladding to the substrate by tapping; remove individual tiles of cladding
coverings	detached from the substrate,
	- wash and degrease tile surfaces thoroughly,
	- Glazed tiles are roughened with a diamond disc grinder,
	- Clean the surface of the dust,
Metal and steel surfaces	Cleaning and de-rusting required, priming with dedicated primer. Make a sprinkling of dry quartz sand
	onto the freshly applied primer, e.g. ATLAS EPO-S universal epoxy binder with quartz sprinkling.
Plastic surfaces	Cleaning, sanding required. An adhesion test must be carried out to confirm the applicability of the film
	on plastic substrates.

<sup>\*)</sup> The times shown in the table are recommended for application conditions of approx. 20 °C and 50 % humidity.