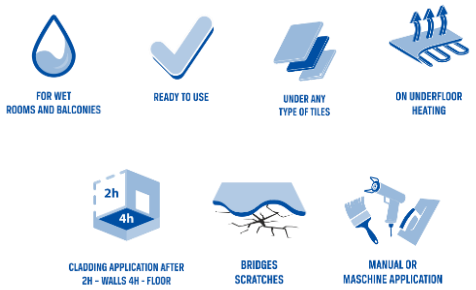
ATLAS FAST-DRYING LIQUID FOIL WODER E

- under any type of tiles
- for wet rooms and balconies
- bonding of tiles after only 2 hours for damp proofing
- bonding of tiles on floors after 4 hours
- consumption on the wall approx. 1 kg/m², consumption on the floor approx. 2.0 kg/m²
- highly flexible, with high adhesion



Innovative technology

ATLAS FAST DRYING LIQUID FOIL WODER E is a modern material the formulation of which consists exclusively of the highest quality water-based copolymer dispersions along 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 foil. Its use together with additional products in the form of sealing tapes and special flanges makes it possible to achieve a 100 % watertight coating even on complex surfaces.

Properties

Dries quickly - allows another coat to be applied after 1 hour, and ceramic cladding after just:
- 2 hours for damp proofing (walls in bathrooms and kitchens),
- 4 hours for waterproofing (floors in bathrooms and kitchens, balconies).

It has a high elasticity - it can be used on substrates made with underfloor and wall heating systems and other surfaces subject to deformation.

Resistant to scratches formation in the substrate - maximum scratch width at which no crack occurs > 3.5 mm - thanks to special polymers, the waterproofing will remain tight even if the substrate underneath scratches.

It has high adhesion to typical building substrates - e.g. concrete of approx. 2.2 MPa.

It is frost resistant - it does not lose its properties even if it passes the freeze-thaw cycle repeatedly.

Resistant to UV, frost and ageing.

Seamless material - without the need for overlaps and special joints, as is the case with roll materials.

Allows application over a wide range of substrate and ambient temperatures - from 5 to 30 °C.

Comfortable and easy to apply - it only requires the contents of the pack to be stirred before use. It is easily applied to plasterboard, OSB as well as cement or gypsum plaster, metal and PVC components.

Allows gradual consumption over a 12-month period - despite opening the bucket and using part of it, it gives you the opportunity to apply the remainder over the entire shelf life, i.e. 12 months from the date of manufacture.

Allows easy control of the thickness of the layer applied - whether applied manually or by machine.

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

ATLAS FAST DRYING LIQUID FOIL WODER E is produced as a ready-to-use compound based on polymer dispersions, fillers and modifying agents.

Purpose

ATLAS FAST DRYING LIQUID FOIL WODER E is designed for waterproofing wet rooms (bathrooms, showers, etc.) and balconies.

Allows for flexible protection of corners and expansion joints - together with ATLAS SEALING TAPE AND CORNERS or ATLAS HYDROBAND 3G tape and corners, protects the edges of wall and screed joints and expansion joints.

Seals wall and floor surfaces, around water and sewer pipe penetrations - along with embedded floor or wall rings.

It is a coating seal - it forms a thin film that must be protected against mechanical damage, such as from foot traffic or impact (e.g. tiling is required on it).

Can be applied directly under tiles - replaces felt and traditional membranes where a cementitious underlay was required before the tiles could be bonded.

TYPES OF WATERPROOFING	
external lightweight insulation (flowing water)	+
medium-type external insulation (stagnant water)	+
heavy-duty type external insulation (pressurised water)	use ATLAS WODER DUO
internal lightweight insulation (flowing water)	+
internal insulation of medium type (stagnant water)	+
Heavy-duty type internal insulation (pressurised water)	use ATLAS WODER DUO

TYPES OF FACILITIES	
housing construction	+
public, educational, office and healthcare buildings	+
commercial and service construction	+
religious buildings	+
industrial buildings and multi-storey garages	+
industrial warehouses	+
traffic construction	+
hotels, spa facilities	+

PLACE OF INSTALLATION	
low-traffic areas	+
medium traffic areas	+
high traffic areas	+
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 panel staircase	+
external beam stairs, e.g. cantilever stairs	+
internal traffic routes	+
cladding of building plinths	+
process tanks, swimming pools, fountains, jacuzzi, balneotechnology (without aggressive chemicals)	use ATLAS WODER DUO
drinking water tanks	use ATLAS WODER DUO
slurry tanks	use ATLAS WODER DUO
diesel fuel tanks	use ATLAS WODER DUO
reservoirs of municipal sewage treatment plants	use ATLAS WODER DUO
fire reservoirs	use ATLAS WODER DUO
saunas	+
showers, washing facilities, rooms washed with large quantities of water	+

substrate type - standard	
cement floors and screeds	+
anhydrite screeds	+
cement and cement-lime plasters	+
gypsum plasters	+
cellular concrete masonry*	+
brick or silicate block masonry*	+
brick or hollow brick masonry*	+
gypsum block masonry*	+

* plastering is not necessary if the masonry is well jointed

substrate type - difficult	
concrete	+
terrazzo	+
dry gypsum board substrates	+
screeds (cement) with embedded heating, water or electric	+
plaster with concealed heating	+
gypsum boards	+
gypsum fibre boards	+
cement fibre boards	+
existing ceramic or stone cladding (tile on tile)**.	+
resin varnishes for concrete bound to the substrate	+
epoxy resin coatings	+
plank floors (thickness >25mm)	+
wood-based flooring panels minimum 22 mm thick, to be fixed with ATLAS M-System fasteners	+
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	+

** subject to confirmation of load-bearing capacity and full grouting
*** protected against corrosion

Technical data

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

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

Technical requirements

ATLAS FAST DRYING LIQUID FOIL WODER E is a component of the product set for waterproofing ATLAS WODER E ITB-KOT-2018/0491 edition 2. National Declaration of Performance No. K052/2023.

Waterproofing execution

Substrate preparation

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

The substrate should be:

stable - sufficiently load-bearing, resistant to deformation, free from substances reducing adhesion and seasoned. Any cracks and cavities in the cement substrate should be mechanically widened and filled with cement mortar, e.g. ATLAS ZW 330. Dusty substrates as well as those made of gypsum materials should be sanded and dedusted.

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

cleaned - from layers that may impair 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,

dry - the surface should be completely dry,

seasoned - freshly made surfaces can be sealed after they have been properly seasoned,

primed with one of the products:

- ATLAS GRUNT NKP
- 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 Data Sheet.

Preparation of the mass

ATLAS FAST DRYING LIQUID FOIL 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 must be stirred to even out the consistency (a slow speed mixer is recommended).

Manual application

The waterproofing coat should be applied in at least two layers. The first is applied with a brush, starting at the places where additional corner tapes or sealing rings will be used. These accessories should be sunk into the freshly applied 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.

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

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.

Machine application

Machine application can be carried out using a Graco Mark VII type unit. The compound should be stirred before use.
Technical data:
- nozzle: rac X 533,
- working pressure: 230 bar.

Spraying results in a coating of thickness:
- 1.5 mm - when spraying two coats,
- 2 mm - when spraying three coats.

Finishing work

Ceramic or stone cladding, plaster, etc. should be laid on top of the bonded sealing layer. If finishing work is not carried out immediately after the coating has set, the sealed surfaces should be protected from water exposure for about 3 days.

Consumption

The consumption depends on the water exposure conditions (see table in paragraph Waterproofing execution):
- damp proofing: 1.0 kg /m²,
- waterproofing: approx. 2.0 kg/m².

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

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

Shelf life of the product (shelf life) 12 months from the production date on the packaging.

Important additional information

Caution. When carrying out waterproofing on OSB, sealant tapes should be fixed 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 contained in this Technical Data Sheet is a basic guideline for the use of the product and does not relieve the user of the obligation to carry out the work in accordance with the rules of the art of construction and safety regulations. With the issue of this Technical Data Sheet, all previous ones are no longer valid. Documents accompanying the product are available at www.atlas.com.pl.

Update date: 2023-02-16

The table below shows the specific requirements for substrate preparation. Before starting work, also refer to the Technical Data Sheets of the products listed in the table. The times shown in the table are recommended for application and seasoning conditions of approx. 20 °C and 50 % humidity.

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

Substrate type	Information on substrate preparation
Newly manufactured screed ATLAS SMS 15	required moisture content of the screed 2.0 % CM - after approx. 12 hours for screed thickness of 1-5 mm - after approx. 24 hours for screed thicknesses over 5 mm
Newly manufactured screed ATLAS SMS 30	required moisture content of the screed 2.0 % CM - after approx. 1 day for a screed thickness of 3-5 mm - after approx. 4 days for a screed thickness of 6-10 mm - after approx. 5 days for a screed thickness of 11-20 mm - after approx. 6 days for a screed thickness of 21-30 mm
Newly manufactured screed ATLAS SMS 80	Moisture content of the screed 2.0 - after approx. 9 days for a thickness of 25-40 mm - after approx. 14 days for a thickness of 41-60 mm - after approx. 21 days for a thickness of 61-80 mm
Newly manufactured screed ATLAS POSTAR 10	required moisture content of the screed 2.0 % CM - after approx. 3 days for a screed thickness of 1.0-3.0 cm - after approx. 5 days for a screed thickness of 3.1-5.0 cm - after approx. 16 days for a screed thickness of 5.1-10.0 cm
Newly manufactured screed ATLAS POSTAR 20	required moisture content of the screed 2.0 % CM - after approx. 3 days for a screed thickness of 1.0-3.0 cm - after approx. 4 days for a screed thickness of 3.1-5.0 cm - after approx. 12 days for a screed thickness of 5.1-8.0 cm
Newly manufactured screed ATLAS POSTAR 60	required moisture content of the screed 2.0 % CM - after approx. 1.5 days for a screed thickness of 1.0-3.0 cm - after approx. 2 days for a screed thickness of 3.1-5.0 cm - after approx. 7 days for a screed thickness of 5.1-8.0 cm
Newly manufactured screed ATLAS POSTAR 80	required moisture content of the screed 2.0 % CM - after approx. 12 hours for a screed thickness of 1.0-3.0 cm - after approx. 1 day for a screed thickness of 3.1-5.0 cm - after approx. 3 days for a screed thickness of 5.1-8.0 cm
Other cement screeds	required moisture content of the screed 2 % CM - seasoning minimum 28 days Prime with one of the emulsions: - ATLAS GRUNT NKP - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA
Newly manufactured hybrid screeds ATLAS MMS 60	Required moisture content of the substrate 1.0 % CM - after approx. 14 days for a substrate thickness of 2.0 - 4.0 cm - after approx. 21 days for a substrate thickness of over 4.0 cm
Newly manufactured screed ATLAS SAM 100	required moisture content of the screed 0.5 % CM - approx. 7 days for a screed thickness of 0.5-3 cm prime with one of the emulsions: - ATLAS GRUNT NKP - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA
Newly manufactured screed ATLAS SAM 200	required moisture content of the screed 0.5 % CM - approx. 10 days for a screed thickness of 2.5-4.0 cm - approx. 21 days for a screed thickness of 4.1-6.0 cm prime with one of the emulsions: - ATLAS GRUNT NKP - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA If a white surface deposit has appeared while the screed is drying, it should be removed mechanically by sanding and then the entire surface should be vacuumed. Sanding the screed speeds up the drying process.
Cement and anhydrite screeds with underfloor heating (heating underlay)	Attention. In the case of a screed made with underfloor heating, the floor layers can only be laid after the screed has been warmed up. The rules for the heating of ATLAS screeds can be found in their Technical Data Sheets.
Terrazzo	Degrease the surface thoroughly and, in the case of pasted terrazzo, remove the top part or all of it and make a new screed.

Bricks or hollow bricks of calcium-silicate, ceramic or cellular concrete	**Prime with one of the emulsions**: - ATLAS GRUNT NKP - ATLAS UNI-GRUNT - 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 complete the wall with 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 application) - minimum curing time 14 days* (machine application) **prime with one of the emulsions**: - ATLAS GRUNT NKP - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA
Gypsum plasters (for 2 cm thick plaster)	- minimum curing time of 14 days* (manual and machine application). **prime with one of the emulsions:** - ATLAS GRUNT NKP - ATLAS UNI-GRUNT - ATLAS UNI-GRUNT ULTRA
Substrates to be levelled with ATLAS ZW 330 mortar	- after 24 hours at a layer thickness of 5 mm - 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	- seasoning time minimum 21 days - optimum humidity < 2% CM - absolutely clean from residues of formwork oils and other substances that may impair adhesion - missing, chipped and other defects should be filled ATLAS ZW 330 mortars
Oil paint and resin varnish coatings	- remove coatings with poor adhesion to the substrate mechanically - Stable coatings, well bonded to the substrate: sand, vacuum off - gypsum putty used for levelling the substrate remove
OSB, chipboard and plank flooring - the layering should be designed and made in such a way as to prevent deformation that could lead to damage to the cladding.	- check the type of boards used, OSB/3 and OSB/4 (according to PN-EN 300:2007) may be used on the floors, with a thickness of at least 25 mm (22 mm in the case of installation on ATLAS M-System), and wall cladding min. 18 mm - Check the stability of the sheathing on the substructure, the panels must not buckle under operational loads, if necessary tighten an additional, stiffening layer of panels - Matt down the surface using 40-60 grit sandpaper. - clean the surface of the resulting dust
Existing ceramic or stone tile claddings	- Check the adhesion of the existing cladding to the substrate by tapping; any loose tiles must be removed. - wash and degrease the tile surfaces thoroughly - roughen glazed tiles with a diamond disc grinder. - clean the surface of 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 foil on plastic substrates.