

ATLAS LIQUID FOIL WODER W



- waterproofing under ceramic tiles
- for bathrooms, kitchens
- flexible, highly adhesive
- one-component



FOR WET ROOMS



READY TO USE



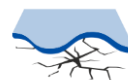
UNDER ANY TYPE OF TILES



ON UNDERFLOOR HEATING



FLEXIBLE WATERPROOFING



RESISTANT TO SCRATCHES >2.0



MANUAL OR MACHINE APPLICATION

Properties

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

It is highly flexible - it can be used on substrates made with underfloor and wall heating systems and other surfaces subject to deformation.

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

It is resistant to crack formation in the substrate - the maximum crack width at which the coating does not break is > 2.0 mm.

It only requires the contents of the pack to be stirred before use - it is a one-component waterproofing.

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.

It is convenient to apply regardless of the nature of the substrate - it is easily applied to plasterboard, OSB as well as cement or gypsum plaster, metal and PVC components.

It allows easy control of the thickness of the layer applied - whether applied by brush, roller or steel trowel.

Provides excellent coverage after the first coat has been applied.

It allows easy - visual - assessment of the uniformity of the applied layer - thanks to the intensity of the colour and the texture after drying.

Purpose

ATLAS LIQUID FOIL WODER W is designed for waterproofing wet rooms (bathrooms, shower rooms, etc.).

Allows for flexible protection of corners and expansion joints - together with the embedded ATLAS SEALING 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 and wall rings.

It is a coating seal - it forms a layer several millimetres thick, which must be protected against mechanical damage caused, for example, by foot traffic (a protective layer or tile lining is required on the waterproofing).

TYPES OF WATERPROOFING

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

TYPES OF OBJECTS	
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	use ATLAS WODER DUO
underground parts of the building - foundations, cellars	use ATLAS WODER DUO
external panel staircase	use ATLAS WODER DUO
external beam stairs, e.g. cantilever stairs	use ATLAS WODER DUO
traffic routes (except external stairs)	+
cladding of building plinths	use ATLAS WODER DUO
process tanks, swimming pools, fountains, jacuzzis, 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	use ATLAS WODER DUO
showers, washing facilities, rooms washed with large quantities of water	use ATLAS WODER DUO

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 made with a full joint

substrate type - difficult	
concrete	+
terrazzo	+
dry gypsum board screeds	+
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, fixed with ATLAS M-System fasteners	+
OSB/3, OSB/4 board and chipboard on the floor (thickness > 25 mm)	+
OSB/3, OSB/4 board and chipboard 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/cm ³
Substrate and ambient temperature	from +5 °C to +30 °C
Open time	min. 30 minutes
Drying time	approximately 60 minutes
Application of the second layer	after approx. 3 hours
Foot traffic	after approx. 12 hours
Tile bonding	after approx. 24 hours

*) - applies to T=20° C, relative humidity 60%

Technical requirements

ATLAS LIQUID FOIL WODER W is a component of the set of products for waterproofing ATLAS WODER W ITB-KOT-2018/0492 edition 2. National Declaration of Product Characteristics No. K103/2003.

Application of waterproofing

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 screed 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 Sheet.

Preparation of the mass

ATLAS LIQUID FOIL WODER W 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).

Manual application

The waterproofing coat should be made of at least two layers of waterproofing. The first layer is applied with a brush, starting from the places where ATLAS SEALING TAPES AND CORNERS will be additionally applied. These accessories should be sunk into the freshly applied ATLAS LIQUID FOIL WODER W. The second coat can be applied after the first one is completely dry (after about 3 hours). 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	greater than 0.8 mm
waterproofing - floors in bathrooms and kitchens	I layer brush 2nd layer 4 mm notched trowel	greater than 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

Consumption depends on the water exposure conditions:

- damp proofing: approx. 0.9 kg /m², average film thickness: approx. 0.7 mm
- waterproofing: approx. 1.8 kg/m², average film thickness approx. 1.4 mm.

Packaging

Plastic buckets: 4.5 kg, 10 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.

The shelf life of the product (best before use) is 12 months from the production date on the packaging.

Important additional information

Caution. When carrying out waterproofing on OSB, sealant tapes should be adhered 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 ATLAS SZOP 2000 polymer dispersion based product remover.

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.

The contents of the Technical Data Sheet and the designations and trade names used therein are the property of Atlas Ltd. Their unauthorised use will be sanctioned.

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The table below shows the specific requirements for substrate preparation. Before starting work, also refer to the Technical 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 substrate preparation, depending on the type of substrate.

Substrate type	Information on substrate preparation
Newly manufactured screed ATLAS SMS 15	required moisture content of the substrate 2.0 % CM - after approx. 12 hours for a screed thickness of 1-5 mm - after approx. 24 hours for a screed thicknesses over 5 mm
Newly manufactured screed ATLAS SMS 30	required moisture content of the substrate 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 % CM - 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 floor screed ATLAS POSTAR 10	required moisture content of the substrate 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 substrate 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 substrate 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 substrate 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 cementitious screeds	required moisture content of the substrate 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 0.5 % CM - after approx. 21 days for a substrate thickness of 2.0 - 4.0 cm - after approx. 28 days for a substrate thickness of over 4.0 cm
Newly manufactured screed ATLAS SAM 100	required moisture content of the substrate 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 substrate 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 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.
Cement and anhydrite screeds with underfloor heating (heating screed)	Attention. In the case of a subfloor made with underfloor heating, the floor layers can only be laid after the subfloor has been warmed up. The rules for the heating of ATLAS screeds can be found in their Technical 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 primer.

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 laying) - minimum curing time 14 days* (machine laying) 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* (hand and machine laying). Prime with one of the emulsions: - ATLAS GRUNT NKP - ATLAS UNI-GRUNT or ATLAS UNI-GRUNT COLOR - 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% by weight - absolutely clean from residues of formwork oils and other substances that may impair adhesion - missing, chipped and other cavities should be filled with 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 constructed 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 coverings	- 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 film on plastic substrates.