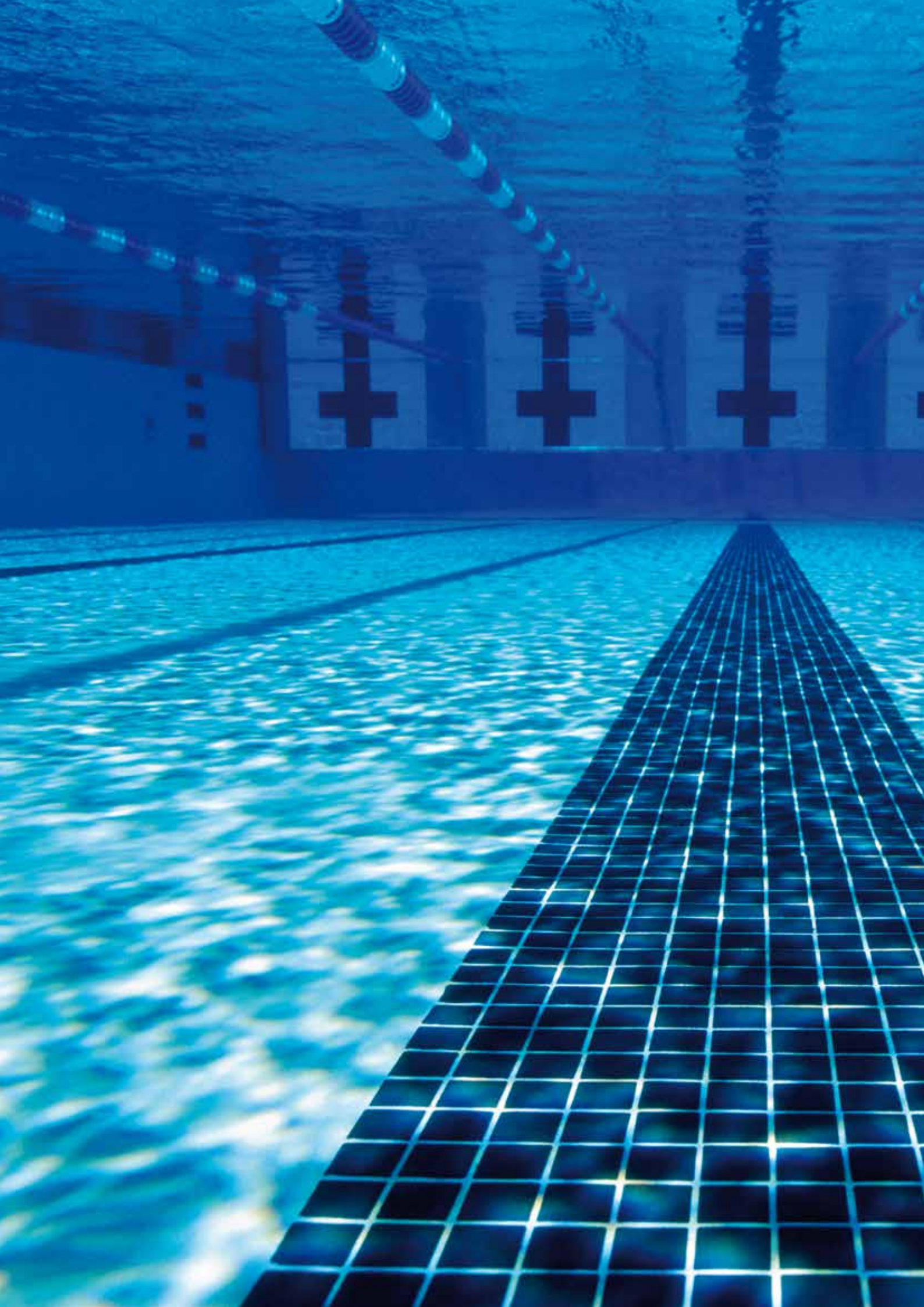


WATERPROOFING

WATERPROOFING

Waterproofing

Waterproofing protects building elements against destructive water and damp action. It should be installed upon following constructions: foundations, terraces, balconies, pools, water reservoirs, walls and floors in wet rooms (shower trays, zones around baths and sinks). ATLAS offers the following types of water and damp proofing:

- waterproofing system ATLAS WODER E
- watertight cement mortar ATLAS WODER S
- two-component waterproofing ATLAS WODER DUO
- elastic one-component damp proofing ATLAS WODER W

Water- and damp proofing applied upon corners of walls, joints between walls and floors, expansion joints, surfaces around pipes led through partitions, etc. are particularly subject to damage and leakage. Therefore, they should be strengthened with accessories:

- ATLAS SEALING TAPES, CORNERS and RINGS
- SEALING TAPES and ACCESSORIES ATLAS HYDROBAND or ATLAS HYDROBAND 3G

DETERMINING WET ZONES IN BATHROOMS

A - wet zone
B - damp zone

Note:
In small bathrooms, for example in multifamily buildings, it is recommended to treat the entire bathroom as a wet zone.

LAYERS OF TERRACE ABOVE HEATED ROOM (WITH EPS)

1. EPS 70 boards
2. EPS 200 boards
3. Concrete floor
4. Contact coat: water + ATLAS ELASTIC EMULSION + ATLAS POSTAR 20 or ATLAS POSTAR 80
5. ATLAS POSTAR 20 or ATLAS POSTAR 80 cement screed
6. Vapour barrier: ATLAS GENERAL-PURPOSE BITUMEN MASS + ATLAS SMB BITUMINOUS MEMBRANE
7. Thermal insulation: min. EPS 200 boards
8. Waterproofing, e.g. 2 x heat-welded membrane
9. ATLAS POSTAR 20 or ATLAS POSTAR 80 cement screed
10. ATLAS 100 eave profile
11. ATLAS WODER-DUO under-tile waterproofing
12. ATLAS HYDROBAND 3G sealing tape
13. ATLAS PLUS MEGA adhesive
14. Ceramic, gres-porcelain tiles
15. ATLAS ARTIS GROUT
16. Base coat and thin-coat rendering coat of ATLAS Thermal Insulation System

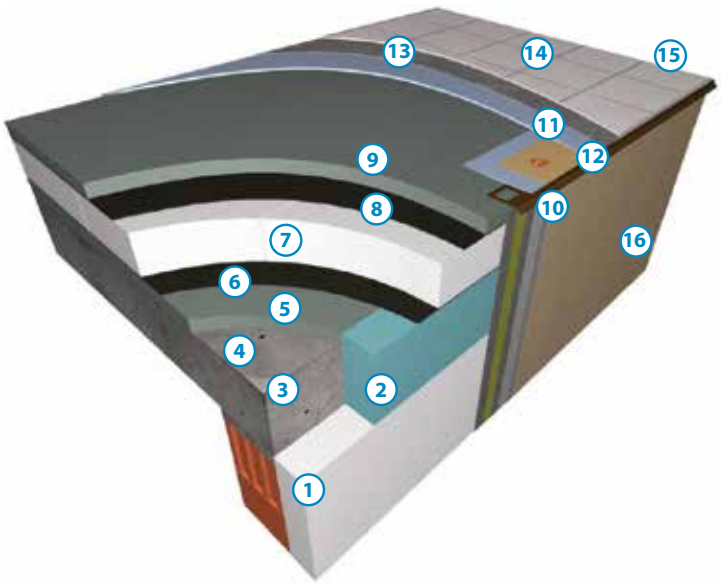


TABLE 3.1

PRODUCT				
	ATLAS WODER DUO	ATLAS WODER E/ AVAL KL 51	ATLAS WODER W	ATLAS WODER S
	Two-component waterproofing	Watertight flexible foil	Flexible, one-component damp proofing	Watertight cement mortar
Reference document	PN-EN 14891:2012 CM P	AT-15-5032/2013	AT-15-7990/2014	AT-15-5031/2013
TECHNICAL DATA				
Min/max coat thickness [mm]	1-3	1-5	1-5	1-3
Open time [min]	30	30	30	30
Pot life [min]	60	whole shelf life period	whole shelf life period	120
Application of the second coat after [h]	3	3	3	5
Top coat application [h]	12	24	24	24
Resistance to pressurized water [head of water in m]	50	not resistant	not resistant	50
Loading with pressurized water [days]	7	not resistant	not resistant	7
Cracks bridging up to [mm]	≥0.75	-	-	-
Vapour permeability resistance coefficient μ	500	1000	600	500
APPLICATION				
Indoors	✓	✓	✓	✓
Outdoors	✓	✓		✓
USAGE CONDITIONS				
Foundations, cellar walls	✓			✓
Floor/wall heating	✓	✓	✓	✓
Water reservoirs, pools	✓			✓
Terraces, balconies	✓	✓ *		✓
TYPE OF SUBSTRATE				
Cement and concrete screeds, cement-lime renders, concrete, cellular concrete, silicates	✓	✓	✓	✓
Anhydrite screeds, gypsum plasters		✓	✓	
Plasterboards, OSB boards	✓	✓	✓	
Galvanized metal sheets	✓	✓		
INSULATION TYPE				
Light	✓	✓	✓	✓
Medium	✓	✓		✓
Heavy	✓			✓

* ATLAS WODER DUO is recommended for terraces

ATLAS WODER DUO

two-component waterproofing

- protects substrates against moisture
- highly flexible
- on balconies and terraces
- in bathrooms, kitchens and cellars
- element of the set of waterproofing products

Use

Forms waterproofing and damp proofing – light, medium or heavy type (depending on the thickness of the applied layer).
Seals against water:
- under pressure of 50 m water column (5 bars) – in water reservoirs, pools (resistant to chlorinated water).
- pressureless – flowing freely as the result of rain, surface washing, in showers, in wash rooms or in the form of surface damp, etc.

Protects substrates under cladding when exposed to precipitation – balconies, terraces, etc.
Protects substrates against moisture formed indoors – plasters and screeds in wet rooms (bathrooms, baths, showers, kitchens, wash rooms), particularly in wet zones of these rooms - around shower cabins, wash basins, bathtubs, sinks, etc.
Forms waterproofing of underground elements – cellar and foundation walls made of bricks, retaining walls made of concrete blocks and other construction elements exposed to permanent contact with ground water (on condition that protected against mechanical damage).
Perfect waterproofing of water reservoirs, fire water tanks, sewage treatment plants.
Recommended for protection of elements particularly exposed to damage when in contact with moisture - gypsum (plasterboards and plasters) and anhydrite products, cellular concrete, etc.
Can be used for waterproofing the drinking water reservoirs.
Can be used to coat OSB boards and zinc galvanized steel (after degreasing) – metals: zinc, copper, aluminum should be coated with polyurethane or epoxy resin prior to the membrane application.
May be used on substrates with wall and floor heating systems as well as other mineral substrates exposed to deformation (stairs, reservoirs, dams, water gates, terraces, balconies).
Enables installation of flexible protection of corners and expansion joints – along with ATLAS SEALING TAPE and CORNERS or ATLAS HYDROBAND 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 or ATLAS HYDROBAND wall rings embedded.

Types of waterproofed substrates - the ones listed above and cement, cement-lime plasters, cement screeds, concrete, ferroconcrete and masonry made of bricks, hollow bricks, blocks, plasterboard, etc.

Properties

Flexible and water vapour permeable.
Resistant to frost, UV radiation and ageing.
Obturates scratches and cracks up to 0.75 mm wide.
Resistant to light direct load, e.g. foot traffic.
Reinforced with fibres – their presence makes the coat more resistant to damage resulting from substrate action and operation loads of the cladding covering it.
High bonding – adheres with no priming, the actual bonding to concrete substrates in standard conditions exceeds 1.0 MPa (when the standard requires 0.5 MPa).
Coat waterproofing – 2-3 mm thick.
Can be used directly under tiles – replaces bitumen membranes and traditional foils requiring execution of screed before fixing the tiles.
Does not contain solvents or any other harmful substances.
Does not cause corrosion of metal elements.
Forms coating resistant to negative water pressure - Caution! The waterproofing material should be installed on the pressing water side. If it is not possible due to economic or construction reasons, an unique local technical design should be prepared. Please contact Atlas technical advisors if assist required.

Technical data

ATLAS WODER DUO is a two-component waterproofing manufactured on the basis of cement, mineral fillers and modifying agents (dry mix- A component) and water dispersion of plastic (emulsion – B component).

Bulk density of component A	approx. 1.85 g/cm^3
Density of component B	approx. 1.00 g/cm^3
Substrate and ambient temperature	from +8°C to +25°C
Max. single coat thickness	2 mm
Bonding to the concrete substrate	≥ 1.0 MPa
Relative elongation at maximum tensile force	min. 40 %
Water vapour permeability coefficient μ	approx. 500
Resistance to pressurised water (50 m water column)	min. 0.5 MPa
Pot life after components mixing	approx. 1 hour
Open time	min. 30 minutes
Second coat application	after approx. 3 h
Foot traffic and subsequent coat application	after approx. 12 h*
Burial of trenches	after approx. 72 h*
Fixing the cladding	after approx. 12 h*
Loading with pressurized water	after approx. 7 days*

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

Technical requirements

The product conforms to PN-EN 14891:2012 standard. EC Declaration of Performance No 096/CPR.

CE 1487	PN-EN 12004+A1:2012 (EN 12004:2007+A1:2012)
Two-component, polymer-modified watertight cement product used in liquid form, resistant to chlorinate water (CM P),	**for outdoor use and in pools under ceramic tiles fixed with C2 adhesives (according to EN 12004 standard)**
Bonding strength - initial bonding	**≥ 0.5 N/mm²**
Durability - bonding: - after immersion in water - after heat exposure - after freeze-thaw cycles - after lime water action - after chlorinated water action	**≥ 0.5 N/mm²**
Water-tightness	no penetration
Crack-bridging ability in standard conditions	up to 0.75 mm
Release/content of hazardous substances	See: Safety Data Sheet

The product has been given the Hygienic Certificate no. HK/W/0162/01/2013 by the National Institute of Hygiene and the ITB Technical Approval No. AT-15-9373/2014 - Domestic Declaration of Conformity No. 096 of 30.09.2014.

Waterproofing

Substrate preparation

The substrate should be:

- **even and sound** – 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 wider than 1.0 mm must be widened mechanically and filled with cement mortar, e.g. ATLAS TEN-10 or ATLAS MONTER T-5. Dusty substrates must be grinded and dusted. Rough walls must be constructed with full joints.
- **stable** – freshly installed plasters or floors may be waterproofed after appropriate stabilising, not earlier however, than after 14 days since their execution. In case of use of fast drying cement screed ATLAS POSTAR 20 the further work can be continued after 5-6 days.
- **dry** – free from technological moisture or capillary action, dried after precipitation, flooding, etc. Just before the mass application the substrate surface should be wet until matt-wet state (with no puddles).
- **primed** – initially intensively wet and matt-wet during application. Highly absorbent or dusty substrates should be primed with ATLAS UNI-GRUNT emulsion and smooth or hardly absorbable substrates should be coated with ATLAS GRUNTO-PLAST mass.

Mass preparation

The product is manufactured as a set consisting of two components: the dry mix (component A) and the emulsion (component B). The components are packed in separate packages constituting a ready to use set with appropriate mixing ratio. The preparation of the mass consists in pouring the liquid component (B) into an appropriate container and steady pouring the dry mix (A) with concurrent mixing until homogenous mass of even color is formed (approx. 2 minutes). It is advisable to use a low speed mixer with a drill. The mass can be used after 5 minutes and remixing. So prepared should be used up within approx. 60 minutes. Note: if partial use of the product is assumed, prepare the mass by keeping the weight ratio of the components (3 parts of dry A component and 1 part of emulsion B).

Waterproofing

The membrane should be applied in minimum two coats. The first coat is always applied with a brush, rubbing the mass well into the substrate to close the existing pores. Start the application from points where ATLAS SEALING TAPES, CORNERS, RINGS or ATLAS HYDROBAND accessories are to be used. These accessories are embedded in the freshly applied mass. The tape should overlap with min. 5 cm. The excessive amount of mass should be pressed out with a trowel or a float. Depending on the needs, in order to obtain proper consistency, 3% of water can be added to the mixed mass for the application of the first coat. The second coat can be applied, with a brush, a roller or a float once the first coat is completely dry (after approx. 3-4 hours). Similar technological breaks must be kept in case of application of the subsequent coats. Keep the same thickness of each individual coat – this ensures optimum waterproofing coat usage conditions. Caution: It is not recommended to apply a single coat larger than 3.0 kg/m². In higher temperature the coating size should not exceed 1.5 kg/m².

Finishing works

The waterproofed surfaces must be protected against precipitation and free water action within approx. 12 hours and within 7 days against pressurized water action. The coating must be covered with ceramic cladding (after approx. 12 hours). It is recommended to use C2 adhesives, e.g. ATLAS ELASTYK or ATLAS PLUS line adhesives.

Consumption

The total coating thickness must be adjusted respectively to the conditions of water action on the waterproofed surface.

Type of waterproofing	Recommended coating thickness [mm]	Consumption [kg/m²]
light (damp proofing)	2.0	approx. 3.00
medium (ground water)	2.5	approx. 3.75
heavy (pressurised water)	3.0	approx. 4.50

Important additional information

- Not treated surfaces should be protected against soiling.
- Low temperature and increased humidity extend the mortar setting time. Avoid work in strong sunlight.
- Any passages under water pressure should be protected with twisted ring sealers.
- When waterproofing water tanks it is acceptable to execute coves made of ATLAS TEN-10 or ATLAS FILER in the wall corners.
- The product during setting is sensitive to frost. The waterproofed places should be protected during setting against precipitation within min. 12 hours.
- The waterproofing coat should be protected against mechanical damages, e.g. pedestrian traffic – it is necessary to cover it with screed, plaster or tilling; in case of foundations waterproofing the coating should be at least covered with construction foil.
- The tools must be cleaned with clean water directly after use. Difficult to remove residues of the set waterproofing can be removed with the ATLAS SZOP and ATLAS SZOP 2000 agent.
- Water reservoirs designated for drinking water should be washed with water after the product ageing.
- Contains cement. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Keep out of reach of children. Avoid breathing dust. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or a rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Follow the instructions of the Safety Data Sheet.
- The components should be transported and stored in tightly closed packaging, in dry conditions (preferably on pallets). The component B (emulsion) should be transported and stored in positive temperature. Protect against moisture and overheating (> 30 °C). The shelf life (for component A and B) is 12 months from the production date shown on packaging.

Packaging

Set 32 kg: component A - paper bag 24 kg, component B – plastic drum 8 kg.
Pallet: packaging 24 kg – 1,008 kg, packaging 8 kg – 480 kg.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2014-10-14

ATLAS WODER E

elastic sealing mass

- protects substrates against moisture
- highly flexible
- on balconies and terraces
- in bathrooms, kitchens and cellars
- element of the set of waterproofing products

Use

Forms light type damp proofing – proofs places with no pressurised water action (free flow).
Main element of ATLAS WODER waterproofing system – with ATLAS UNI-GRUNT priming emulsion, sealing tapes and accessories.
Protects substrates against moisture formed indoors – plasters and screeds in wet rooms (bathrooms, baths, showers, kitchens, wash rooms), particularly in wet zones of these rooms - around shower cabins, wash basins, bathtubs, sinks, etc.
Protects substrates exposed to precipitation – balconies, terraces, etc.
Recommended for protection of elements particularly exposed to damage when in contact with moisture - gypsum (plasterboards and plasters) and anhydrite products, cellular concrete, etc.
Can be used to coat OSB boards and zinc galvanized steel – after application of contact layer made of ATLAS GRUNTO-PLAST mass.
Enables installation of flexible protection of corners and expansion joints – along with ATLAS SEALING TAPE and CORNERS or ATLAS HYDROBAND 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 or ATLAS HYDROBAND wall rings embedded.

Types of waterproofed substrates – cement, lime-cement and gypsum plasters, cement or anhydrite screeds, concrete and ferroconcrete elements, masonry made of brick, hollow blocks, blocks, plasterboard, OSB boards, etc.

Properties

Highly flexible – can be used on substrates with wall and floor heating systems and other surfaces subject to deformation.
Resistant to substrate cracking – the maximum score width, where no coat cracking occurs is 2.5 mm.
High adhesion – minimum 1.3 MPa for typical concrete substrates.
Coat damp proofing – forms a several millimeter thick coat, which has to be protected against mechanical damage, e.g. resulting from foot traffic – 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.
Easy in use – one component – requires mixing the package content before use only; 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.

Technical data

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

Product density	approx. 1.5 g/cm^3
Ambient and substrate temperature	from +5°C to +25°C
Min./max. coat thickness	1 mm / 5 mm
Bonding	min. 1.3 MPa
Water vapour permeability coefficient μ	approx. 1000
Drying time	approx. 3 hours
Second coat application	after approx. 3 hours
Foot traffic	after approx. 12 hours
Execution of protective layer	after approx. 24 hours

Technical requirements

The product has been given the ITB Technical Approval AT-15-5032/2013 for the ATLAS WODER E system. Domestic Declaration of Conformity No. 052 of 26.09.2013. The product has been given the Radiation Hygiene Certificate.

Damp proofing

Substrate preparation

The substrate should be:

- **even and sound** – 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. Dusty substrates and those made of gypsum materials must be grinded and dusted,
- **dry**– the surface should be completely dry, which should be checked with the "sheet test". This consists in covering an area of approx. 1m^2 with plastic sheet. If condensation occurs on the inside of the sheet within approx. 12 hours, the substrate is yet not ready for the application of ATLAS WODER E. Freshly applied surfaces, e.g. plasters or screeds can be proofed when they completely dry, but not earlier than 14 days since their application,
- **primed**– highly absorbent substrates should be primed with ATLAS UNI-GRUNT emulsion. In order to improve the membrane bonding to smooth or hardly absorbable substrates, the substrate should be coated with ATLAS GRUNTO-PLAST mass.

Mass preparation

ATLAS WODER E is manufactured as a ready-to-use, uniform paste. It must not be mixed with other materials, thinned or thickened. After opening the bucket, the mass should be mixed in order to unify the consistency (low speed hand mixer recommended).

Damp proofing

The membrane should be applied in minimum two coats. The first coat is applied with a brush, starting from points where additional ATLAS SEALING TAPES, CORNERS and RINGS or ATLAS HYDROBAND accessories are to be used. These accessories are embedded in the freshly applied WODER E mass. The second coat can be applied once the first coat is completely dry (after approx. 3 hours). Subsequent coats can be applied using a brush or a steel float.

Finishing works

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.

Consumption

The total coating thickness must be adjusted respectively to the conditions of water action on the proofed surface.

Layer thickness [mm]	Consumption [kg/m^2]
1.5	approx. 1.5
2.0	approx. 2.0
3.0	approx. 3.0

Important additional information

- The tools must be cleaned with clean water directly after use. Difficult to remove residues of the set mass can be removed with ATLAS SZOP 2000 agent.
- Harmful to aquatic life with long lasting effects. Keep out of reach of children. Read label before use. Avoid release to the environment. Dispose of contents/container to appropriately labeled containers designed for selective waste treatment, emptied by an authorized company. Follow the instructions of the Safety Data Sheet.
- Keep in tightly sealed original and labeled containers. Keep in dry and cool places, protect against overheating (> 30 °C) and freezing - the product freezes and irreversibly loses its performance in temperature below 0 °C. Protect against direct sunshine. Incompatible materials: avoid contact with aluminum, copper and alloys of these metals. Shelf life in conditions as specified is 12 months from the production date shown on the packaging.

Packaging

Plastic buckets: 5 kg, 25 kg
Pallet: 400 kg in 5 kg buckets, 600 kg in 25 buckets

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2015-04-24

ATLAS WODER W

elastic one-component damp proofing

- for bathrooms, kitchens and cellars
- highly flexible
- protects substrates against moisture
- excellent bonding

Use

Protects substrates against moisture formed indoors – plasters and screeds in wet rooms (bathrooms, baths, showers, kitchens, wash rooms), particularly in wet zones of these rooms - around shower cabins, wash basins, bathtubs, sinks, etc.
Recommended for protection of elements particularly exposed to damage when in contact with moisture - gypsum (plasterboards and plasters) and anhydrite products, cellular concrete, etc.
Forms light type damp proofing – proofs places with no pressurised water action (free flow).
Enables installation of flexible protection of corners and expansion joints – along with ATLAS SEALING TAPE and CORNERS or ATLAS HYDROBAND 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 or ATLAS HYDROBAND wall rings embedded.

Types of waterproofed substrates – cement, lime-cement and gypsum plasters, cement or anhydrite screeds, concrete and ferroconcrete elements, masonry made of brick, hollow blocks, blocks, plasterboard, OSB boards, etc.

Properties

Highly flexible – can be used on substrates with floor or wall heating systems and other surfaces subject to deformations.
Excellent bonding to typical construction substrates – minimum 2.2 MPa for concrete.
Coat damp proofing – forms a several millimeter thick coat, which has to be protected against mechanical damage, e.g. resulting from foot traffic – must be covered with screeds, plasters or cladding.
Resistant to substrate cracking - the maximum score width, where no coat cracking occurs is 2.5 mm.
Should only be mixed before use – a one-component membrane.
It can be used up gradually within 12 months – even if the bucket is opened and the material partially used, the remaining mass can be used up within the rest of the shelf life, i.e. 12 months since the date of manufacturing.
Comfortable use regardless the substrate type – it is easily applied onto plasterboards, OSB boards, cement or gypsum plasters, metal or PVC elements.
Easily controlled coat thickness – regardless the application tool - when using a brush, a roller or a steel trowel.
Excellent substrate coating, even with a single coat.
Allows easy visual assessment of thickness and uniformity of the applied coat – owing to intense colour and texture after drying.

Technical data

ATLAS WODER W is manufactured as a ready-to-use mass based on polymer dispersion, fillers and modifiers.

Product density	approx. 1.4 g/cm^3
Air and ambient temperature	from +5°C to +30°C
Min./max. coat thickness	1 mm / 5 mm
Bonding to concrete substrate	min. 2.2 MPa
Water vapour permeability coefficient μ	approx. 600
Open time	min. 30 minutes
Drying time	approx. 60 minutes
Second coat application	after approx. 3 hours
Foot traffic	after approx. 12 hours
Fixing the tiles	after approx. 24 hours

Technical requirements

The product has been given the ITB Technical Approval AT-15-7990/2014. Domestic Declaration of Conformity No. 103 of 21.03.2014. Factory Production Control Certificate No. ITB-0329/Z.

Damp proofing

Substrate preparation
The substrate should be:
- **even and sound** – 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. Dusty substrates and those made of gypsum materials must be grinded and dusted,
- **dry** – the surface should be completely dry, which should be checked with the "sheet test". This consists in covering an area of approx. 1m^2 with plastic sheet. If condensation occurs on the inside of the sheet within approx. 12 hours, the substrate is yet not ready for the application of ATLAS WODER W. Freshly applied surfaces, e.g. plasters or screeds can be proofed when they completely dry, but not earlier than 14 days since their application,
- **primed** – highly absorbent substrates should be primed with ATLAS UNI-GRUNT emulsion. In order to improve the membrane bonding to smooth or hardly absorbable substrates, the substrate should be coated with ATLAS GRUNTO-PLAST mass.

Mass preparation
ATLAS WODER W is manufactured as a ready-to-use, uniform paste. It must not be mixed with other materials, thinned or thickened. After opening the bucket, the mass should be mixed in order to unify the consistency (low speed hand mixer recommended).

Damp proofing
The membrane should be applied in minimum two coats. The first coat is applied with a brush, starting from points where additional ATLAS SEALING TAPES, CORNERS and RINGS or ATLAS HYDROBAND accessories are to be used. These accessories are embedded in the freshly applied WODER W mass. The second coat can be applied once the first coat is completely dry (after approx. 3 hours). Subsequent coats can be applied using a brush or a steel float.

Finishing works
The set coat (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.

Consumption

Average coverage for 2 coats depends on the substrate evenness and absorbability.

Layer thickness [mm]	Consumption [kg/m^2]
1.0	approx. 0.9
2.0	approx. 1.8
3.0	approx. 2.7
4.0	approx. 3.6
5.0	approx. 4.5

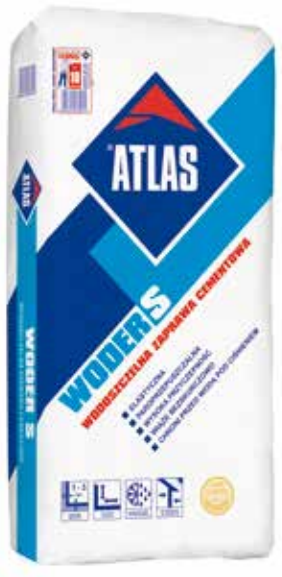
Important additional information

- The tools must be cleaned with clean water directly after use. Difficult to remove residues of the set mass can be removed with ATLAS SZOP 2000 agent.
- Harmful to aquatic life with long lasting effects. Keep out of reach of children. Read label before use. Avoid release to the environment. Dispose of contents /container to appropriately labeled containers designed for selective waste treatment, emptied by an authorized company. Follow the instructions of the Safety Data Sheet.
- Keep in tightly sealed original and labeled containers. Keep in dry and cool places, protect against overheating (> 30 °C) and freezing - the product freezes and irreversibly loses its performance in temperature below 0 °C. Protect against direct sunshine. Incompatible materials: avoid contact with aluminum, copper and alloys of these metals. Shelf life in conditions as specified is 12 months from the production date shown on the packaging.

Packaging

Plastic buckets: 4.5 kg, 10 kg
Pallet: 540 kg in 4.5 kg buckets; 650 kg in 10 kg buckets

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2015-03-02



ATLAS WODER S

watertight cement mortar

- flexible, vapour permeable
- protects against pressurised water
- for sealing tapes embedding
- high bonding, sets with no contraction
- for mineral substrates

Use

Protects substrates against pressurised water – can form internal and external coat waterproofing of walls and floors, fire water or water reservoirs, pool beaches, etc.
Protects substrates exposed to precipitation and ground water action – balconies, terraces, façades, cellar walls, foundations, stairs, plinths (e.g. before tiling or applying decorative ATLAS DEKO M type renders).
Protects substrates against moisture formed indoors – plasters and screeds in wet rooms (bathrooms, baths, showers, kitchens, wash rooms), particularly in wet zones of these rooms - around shower cabins, wash basins, bathtubs, sinks, etc. Particularly recommended for walk-through shower systems.
Forms watertight coat – light, medium, or heavy type waterproofing (depending on the thickness of the applied layer).
Enables installation of flexible protection of corners and expansion joints – along with ATLAS SEALING TAPE and CORNERS or ATLAS HYDROBAND tapes and corners embedded, secures the edges of joints between walls and screeds as well as the expansion joints.
Waterproofs surfaces around walls and floors, around passages of water and sewage system pipes – together with ATLAS FLOOR and WALL RINGS or ATLAS HYDROBAND wall rings embedded.
Recommended for old, damp buildings – vapour permeability in combination with watertightness makes the mortar ideal for waterproofing partitions in heritage buildings.

Types of waterproofed substrates – mineral, cement and cement-lime plasters, screeds, concrete, reinforced concrete, masonry elements, plasterboards.

Properties

Resistant to water pressure of 5 bars (50 m water column).
High adhesion – for typical concrete substrates, minimum 1.2 MPa.
Resistant to UV radiation, frost and ageing.
Adheres to substrate without priming.
Sets practically without contraction – the linear contraction is limited to minimum - no contraction scratches or cracks, typical for cement mortars, occur during setting.
Coat waterproofing – forms a several millimeter thick coat, which has to be protected against mechanical damage. Can be covered with plasters, renders, tiles, natural stone, etc.
Can be used directly under tiles – replaces bitumen membranes and traditional foils requiring execution of screed before fixing the tiles.

Technical data

ATLAS WODER S is manufactured as a dry mix of high quality cement, powder resins of the latest generation, mineral fillers and modifiers.

Bulk density (of dry mix)	approx. 1.1 g/dm^3
Wet density (after mixing)	approx. 1.4 g/dm^3
Dry density (after setting)	approx. 1.3 g/dm^3
Mixing ratio for application with a trowel water/dry mix	approx. 0.25 l/1 kg approx. 6.25 l/25 kg
Mixing ratio for application with a brush water/dry mix	approx. 0.35 l/1 kg approx. 8.75 l/25 kg
Min./max. coat thickness	1 mm / 3 mm
Mortar preparation temperature, substrate and ambient temperature during work	from +5°C to +25°C
Bonding	min. 1.2 MPa
Resistance to water of pressure	5 bars (50 m water column)
Water vapour permeability coefficient μ	approx. 500
Pot life	approx. 2 hours
Open time	min. 30 minutes
Foot traffic and subsequent coat application	after 5 hours*
Fixing the cladding	after 24 hours*
Resistance to pressurised water	after 7 days*

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

Technical requirements

The product has been given the ITB Technical Approval No. AT-15-5031/2013, Declaration of Conformity No. 038 of 28.06.2013. The product has been given the Radiation Hygiene Certificate.

Waterproofing

Substrate preparation
The substrate should be:
- **even and sound** – 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 mortar bonding. Any substrate scratches and defects must be widened mechanically and filled with cement mortar, e.g. ATLAS TEN-10. Dusty substrates and those made of gypsum materials must be grinded and dusted.
- **stable in standard conditions:**

- concrete - 1 day since formwork removal (tiling after 28 days)
- cement-based screeds - 3 days (tilling after 14 days)
- ATLAS POSTAR 80 screed - 1 day (tilling after 1 day)

- **primed** – the substrate should be initially intensively wet and matt-wet during the mortar application.

Mass preparation
Pour the mortar from the bag into a container with the suitable amount of water (see Technical Data for ratio) and mix using a drill with a mixer until homogenous. So prepared mortar should be used up within approx. 2 hours.

Waterproofing
The mortar must be applied upon the waterproofed surface in minimum two coats. The first coat is applied with a brush, starting from points where additional ATLAS SEALING TAPES, CORNERS and RINGS are to be used. These accessories are embedded in the freshly applied WODER S mass. The tapes should overlap with min. 5 cm. It is recommended to apply the mass onto the substrate as well as on the tape back. The tapes must not be pleated after installation. The second coat can be applied with a brush, a roller or a steel float when the initial one is properly set.

Finishing works
The set coat (after approx. 24 hours) has to be protected against mechanical damage with plaster, render, floor or facing. The waterproofed surfaces must be protected against pressurised water within approx. 3 days.

Consumption

The total layer thickness must be adjusted respectively to the conditions of water action on the waterproofed surface.

Operation conditions	Layer thickness [mm]	Consumption [kg/m^2]
dampness	1.5	approx. 2.0
filtering through	2.0	approx. 3.0
water tanks	3.0	approx. 4.0

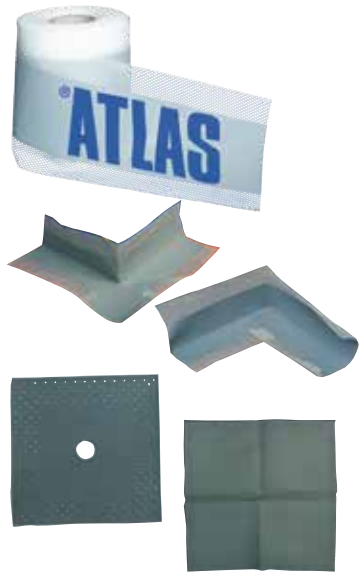
Important additional information

- Low temperatures and increased humidity extend the setting time of the mortar. Avoid work in strong sunlight.
- Any passages under water pressure should be protected with twisted ring sealers.
- Not treated surfaces should be protected against soiling.
- Metals: zinc, copper, aluminum or flashings should be coated with polyurethane resin prior to the mortar application.
- When waterproofing water tanks, it is acceptable to execute coves made of ATLAS TEN-10 or ATLAS FILER in the wall corners.
- The tools must be cleaned with clean water directly after use. Difficult to remove residues of the set mortar can be removed with the ATLAS SZOP agent.
- Contains cement. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Keep out of reach of children. Avoid breathing dust. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or a rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Follow the instructions of the Safety Data Sheet.
- The mortar must be transported and stored in tightly sealed bags, in dry conditions (most preferably on pallets). Protect against humidity. Shelf life in conditions as specified is 12 months from the production date shown on the packaging. Content of soluble chromium (VI) in ready-to-use mix - ≤ 0.0002%..

Packaging

Paper bags: 25 kg
Pallet: 1,050 kg in 25 kg bags

The information in this Technical Data Sheet constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations. At the time of publication of this product data sheet all previous ones become void. Date of update: 2014-01-13



ATLAS SEALING TAPES, CORNERS and RINGS

accessories for ATLAS WODER type waterproofing

- for sealing edges and expansion joints
- highly flexible
- on balconies and terraces
- in kitchens, bathrooms, cellars
- elements of the waterproofing system

Use

Element of ATLAS WODER waterproofing system – with ATLAS UNI GRUNT priming emulsion and ATLAS WODER E damp proofing. They protect substrates against water and moisture ingress. Can also be used with ATLAS WODER DUO and ATLAS WODER W water- and damp proofing.

Designed for sealing specific places (embedded in ATLAS WODER E, ATLAS WODER W or ATLAS WODER DUO membranes):

- **SEALING TAPE** - for wall and screed edges as well as for expansion joints,
- **SEALING CORNERS** - formed of sealing tape, for sealing internal and external corners of rooms,
- **WALL RING 120 x 120 mm** – flexible sleeve for sealing pipe passages in walls,
- **FLOOR RING 425 x 425 mm** – flexible sleeve for sealing floor drains.

Protects against moisture formed indoors – plasters and screeds in wet rooms (bathrooms, baths, showers, kitchens, wash rooms), particularly in wet zones of these rooms - around shower cabins, wash basins, bathtubs, sinks, etc.

Protects against moisture formed outdoors – balconies, terraces, cellar walls, etc.

Recommended for protection of elements particularly exposed to damage when in contact with moisture - gypsum (plasterboards and plasters) and anhydrite products, cellular concrete, etc.

Types of sealed substrates – PVC, steel sheet, cement, lime-cement or gypsum plasters, cement and anhydrite screeds, concrete and ferroconcrete elements, plasterboards, OSB, ATLAS WODER type waterproofing membranes.

Properties

High strength – the mesh is made of extremely tear resistant polyester – transversely elastic; the sealing layer is made of highly resistant thermoplastic elastomer.

Flexibility – transversely deformable – it is elastic and retains waterproofing properties even after considerable deformation, which makes it an ideal sealant for joints between adjoining structural elements, which are subject to different stress, e.g. joints between walls and floors.

Technical data

The sealing accessories are made of extremely tear resistant polyester – transversely elastic. The sealing layer in the central zone is made of highly resistant thermoplastic elastomer.

Weight	37.5 g / rm
Total thickness	0.65 mm
Maximum pressure	3.30 bar
Ozone resistance (DIN 53509 part 1, ISO 1434-1)	resistant
Resistance to water pressure of 1.5 bar (15 meters water column)	resistant
UV resistance (200 h)	resistant
Temperature resistance	from -30°C up to +90°C

Technical requirements

The product has been given the ITB Technical Approval AT-15-5032/2013 for the ATLAS WODER E system.

Accessories installation

Substrate preparation

The substrate under the waterproofing membranes ATLAS WODER E, ATLAS WODER W or ATLAS WODER DUO should be prepared according to the guidelines listed in their Technical Data Sheets. It should be clean, free of dust, lime deposit and other contaminants.

Sealing

Places where accessories are to be installed should be coated with waterproofing membrane ATLAS WODER E, ATLAS WODER W or ATLAS WODER DUO. The accessories should be embedded in the membrane directly after its application. After protecting all critical areas, the entire tape and accessories surface as well as the whole proofed area should be coated with the same waterproofing membrane, which is used for the first coat.

The membrane should be applied in minimum two coats. The first one is always applied with a brush or a roller, and the second one – using a steel float, a brush or a roller. The first coat should be intensively rubbed into the substrate. The second coat can be applied once the first one dries completely (after approx. 3 hours).

Important additional information

- The tools must be cleaned with clean water directly after use. Difficult to remove residues of the set mass can be removed with ATLAS SZOP 2000 agent.
- When using ATLAS WODER E and ATLAS WODER W membranes - harmful to aquatic life with long lasting effects. Keep out of reach of children. Read label before use. Avoid release to the environment. Dispose of contents/container to appropriately labeled containers designed for selective waste treatment, emptied by an authorized company. Follow the instructions of the Safety Data Sheet.
- When using ATLAS WODER DUO and ATLAS WODER S membranes - contains cement. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Keep out of reach of children. Avoid breathing dust. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or a rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Follow the instructions of the Safety Data Sheet.

Packaging

Sealing tape – 50 rm and 10 rm
External corner, grey – 25 pieces
Internal corner, grey – 25 pieces
Wall ring 120 x 120 mm – 25 pieces
Floor ring 425 x 425 mm – 10 pieces

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2013-09-24

ATLAS HYDROBAND

sealing tapes and bathroom kit

- flexible
- extremely durable
- double non-woven fabric for improved adhesion
- creased tape for easier installation
- sealing wall and floor corners and expansion joints

Use

Protect substrates against penetration of water and moisture – in conjunction with UNI-GRUNT and waterproofing membranes: ATLAS WODER E, ATLAS WODER W, ATLAS WODER DUO or ATLAS WODER S.
Complete BATHROOM KIT for sealing shower basins - with:
- **7 rm of ATLAS HYDROBAND sealing tape** – 120 mm wide (central strip – 70 mm, perforated side strips – 25 mm each) – for wall and screed edges as well as for expansion joints,
- **1 ATLAS HYDROBAND sealing corner** – formed of sealing tape, for sealing internal corners of rooms,
- **2 wall flanges 120 x 120 mm** – flexible sleeves for sealing pipe passages through walls.

Improves watertightness in areas where the use of ATLAS WODER type water- and damp proofing is not sufficient – in corners of wet and damp rooms, along the joints between floors and walls, along expansion joints.
Protects against moisture formed indoors – plasters and screeds in wet rooms (bathrooms, baths, showers, kitchens, wash rooms), particularly in wet zones of these rooms - around shower cabins, wash basins, bathtubs, sinks, etc.
Protects against moisture formed outdoors – balconies, terraces, façades, cellars, water tanks, underground garages, drains, etc.
Recommended for protection of elements particularly exposed to damage when in contact with moisture - gypsum (plasterboards and plasters) and anhydrite products, cellular concrete, OSB boards, etc.

Types of sealed substrates – PVC, steel sheet, cement, lime-cement or gypsum plasters, cement and anhydrite screeds, concrete and ferroconcrete elements, plasterboards, OSB, ATLAS WODER type waterproofing membrane.

Properties

Special crease in the sealing part – makes it easier to turn the tape up against the wall.
Improved adhesion to waterproofing membranes – the sealing layer of the tape is coated with non-woven polyester fabric on both sides.
High tensile strength – the mesh is made of polyester knit fabric of extremely high tear resistance, whereas the sealing layer is made of durable thermoplastic elastomer.
Flexible – it is elastic and retains waterproofing properties even after considerable deformation, which makes it an ideal sealant for joints between adjoining structural elements, which are subject to different stress, e.g. joints between walls and floors.

Technical data

The sealing tape and corners consist of mesh made of openwork polyester non-woven coated with thermoplastic elastomer which is coated with polyester non-woven from both sides.

Areal weight	approx. 570 g/m^2
Total thickness	3.30 bar
Maximum pressure	from -30 up to + 90° C
Breaking strength – lengthwise	>10.0 MPa
Ultimate elongation – lengthwise	>25%
Resistance to ozone (DIN 53509 part 1, ISO 1434-1)	resistant
Resistance to water pressure of 1.5 bar (15 meters water column)	resistant
UV resistance (200 h)	resistant
Temperature resistance	from -30 °C to +90 °C

Technical requirements

The product has been given the ITB Technical Approval AT-15-6187/2010. Domestic Declaration of Conformity No. 15-6187/2011/2 of 15.04.2011. Factory Production Control Certificate No. ITB-0474/Z.

Accessories installation

Substrate preparation

The substrate under the waterproofing membranes ATLAS WODER S, ATLAS WODER E, ATLAS WODER W or ATLAS WODER DUO should be prepared according to the guidelines listed in their Technical Data Sheets. It should be clean, free of dust, lime deposit and other contaminants.

Sealing

Places where accessories are to be installed should be coated with waterproofing membrane ATLAS WODER S, ATLAS WODER E, ATLAS WODER W or ATLAS WODER DUO. The accessories should be embedded in the membrane directly after its application. After protecting all critical areas, the entire tape and accessories surface as well as the whole proofed area should be coated with the same waterproofing membrane, which is used for the first coat.

The membrane should be applied in minimum two coats. The first one is always applied with a brush or a roller, and the second one – using a steel float, a brush or a roller. The second coat can be applied once the first one dries completely (after approx. 3 hours for ATLAS WODER E, ATLAS WODER W and ATLAS WODER DUO and after complete drying for ATLAS WODER S).

Important additional information

- The tools must be cleaned with clean water directly after use. Difficult to remove residues of the set mass can be removed with ATLAS SZOP 2000 agent.
- When using ATLAS WODER E and ATLAS WODER W membranes - harmful to aquatic life with long lasting effects. Keep out of reach of children. Read label before use. Avoid release to the environment. Dispose of contents/container to appropriately labeled containers designed for selective waste treatment, emptied by an authorized company. Follow the instructions of the Safety Data Sheet.
- When using ATLAS WODER DUO and ATLAS WODER S membranes - contains cement. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Keep out of reach of children. Avoid breathing dust. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or a rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Follow the instructions of the Safety Data Sheet.

Packaging

Sealing tape: 50 m roll.
The Bathroom Kit includes:
- sealing tape - 7 rm
- internal corner, grey - 1 piece,
- wall flange 120 x 120 mm - 2 pcs.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2012-01-13

ATLAS HYDROBAND 3G

sealing tapes, corners and rings without perforation

- highly resistant to corrosive media
- UV-resistant
- flexible
- high tensile strength

Use

Protect substrates against penetration of water and moisture (also under pressure) – in conjunction with waterproofing membranes: ATLAS WODER E, ATLAS WODER W, ATLAS WODER DUO or ATLAS WODER S.
Improve watertightness in areas where the use of ATLAS WODER type water- and damp proofing is not sufficient – particularly in corners of wet and damp rooms, along the joints between floors and walls, along expansion joints and construction joints. Form a full set for wet zones waterproofing:

- **ATLAS HYDROBAND 3G tape** - available in three widths: 125 mm, 250 mm and 400 mm, for sealing joints between screeds and walls as well as expansion joints,
- **ATLAS HYDROBAND 3G internal corner – heat-formed of sealing tape, for sealing internal corners of rooms,**
- **ATLAS HYDROBAND 3G external corner – heat-formed of sealing tape, for sealing external corners of rooms,**
- **ATLAS HYDROBAND 3G wall ring (120 mm x 120 mm) – for sealing around wall-mounted taps and small diameter pipe passages in walls,**
- **ATLAS HYDROBAND 3G floor ring (425mm x 425 mm) – for sealing floor dr**ains and pipe passages > 25 mm in diameter.

Protect against moisture formed indoors – plasters and screeds in wet rooms (bathrooms, baths, showers, kitchens, wash rooms), particularly in wet zones of these rooms - around shower cabins, wash basins, bathtubs, sinks, etc.
Protect against moisture formed outdoors – balconies, terraces, façades, cellars, water tanks, underground garages, drains, etc.
Recommended for protection of elements particularly exposed to damage when in contact with moisture - gypsum (plasterboards and plasters) and anhydrite products, cellular concrete, OSB boards, etc.

Types of sealed substrates – PVC, steel sheet, cement, lime-cement or gypsum plasters, cement and anhydrite screeds, concrete and ferroconcrete elements, plasterboards, OSB, ATLAS WODER type waterproofing membranes.

Properties

Very good resistance to aggressive environment – alkalis and dilute acids.
Vast lateral expandability and flexibility of tape – it is elastic and retains waterproofing properties even after considerable deformation, which makes it an ideal sealant for joints between adjoining structural elements, which are subject to different stress, e.g. joints between walls and floors.
High tensile strength - owing to the use of resistant materials: polypropylene knit fabric and thermoplastic elastomer.

Technical data

The tape consists of three, specially coated layers:
- two outer layers of non-woven polypropylene
- resistant to weathering coat of thermoplastic elastomer.

Areal weight:	approx. 43 g/m^2
Total thickness:	approx. 0.7 mm
Temperature resistance	from -30 up to + 90° C
Maximum inner breaking pressure	1.5 bar
Ultimate elongation – lengthwise	70 %
Ultimate elongation – lateral	335 %
Tensile strength – lengthwise	104 N/15 mm
Tensile strength – lateral	23 N/15 mm
Resistance to water pressure of 1.5 bar (15 m water column)	resistant
UV resistance (500 h)	resistant

Technical requirements

The product has been given the ITB Technical Approval AT-15-6187/2010. Domestic Declaration of Conformity No. 15-6187/2013/5 of 31.05.2013. Factory Production Control Certificate No. ITB-0474/Z.

Tape installation

Substrate preparation

The substrate under the waterproofing membranes ATLAS WODER S, ATLAS WODER E, ATLAS WODER W or ATLAS WODER DUO should be prepared according to the guidelines listed in their Technical Data Sheets. It should be clean, free of dust, lime deposit and other contaminants.

Sealing

Places where accessories are to be installed should be coated with waterproofing membrane ATLAS WODER S, WODER E, WODER W or WODER DUO. The accessories should be embedded in the membrane directly after its application. After protecting all critical areas, the entire tape and accessories surface as well as the whole proofed area should be coated with the same waterproofing membrane, which is used for the first coat.
The membrane should be applied in minimum two coats. The first one is always applied with a brush or a roller, and the second one – using a steel float, a brush or a roller. The first coat should be intensively rubbed into the substrate. The second coat can be applied once the first one dries completely (after approx. 3 hours – the data apply to the temperature approx. 21-25 °C and humidity 45-55%).

Important additional information

- The tools must be cleaned with clean water directly after use. Difficult to remove residues of the set mass can be removed with ATLAS SZOP 2000 agent.
- When using ATLAS WODER E and ATLAS WODER W membranes - harmful to aquatic life with long lasting effects. Keep out of reach of children. Read label before use. Avoid release to the environment. Dispose of contents/container to appropriately labeled containers designed for selective waste treatment, emptied by an authorized company. Follow the instructions of the Safety Data Sheet.
- When using ATLAS WODER DUO and ATLAS WODER S membranes - contains cement. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Keep out of reach of children. Avoid breathing dust. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or a rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Follow the instructions of the Safety Data Sheet.

Packaging

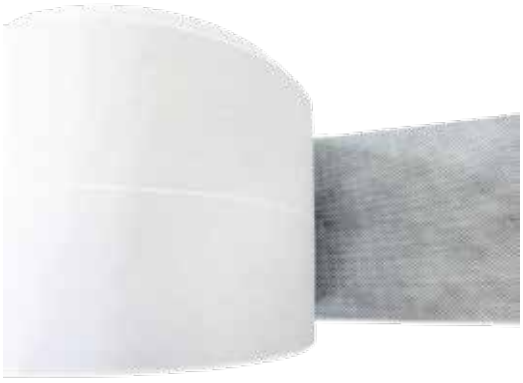
Tape width	125 mm	250 mm	400 mm
Roll length	50 m and 10 m	10 m	10 m
Collective package	box	box	foil-wrapped package

Internal corners are packed in collective packages, 10 pieces each.
External corners are packed in collective packages, 10 pieces each.
Wall rings are packed in collective packages, 10 pieces each.
Floor rings are packed in collective packages, 10 pieces each.

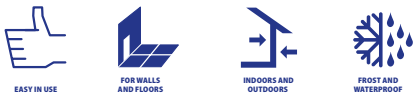
The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2013-11-08

ATLAS BUTYL TAPE

self-adhesive sealing tape



- self-adhesive
- for sealing expansion joints and wall or floor edges
- very good adhesion to PVC and metal sheet elements
- on balconies and terraces
- in bathrooms, kitchens



Use

Protects substrates against penetration of water and moisture – in conjunction with waterproofing membranes: ATLAS WODER E, ATLAS WODER W, ATLAS WODER DUO or ATLAS WODER S.
Provides watertightness along joints between walls and floors as well as along expansion joints – particularly useful when it is necessary to seal the terrace surface:
- with the balcony door threshold,
- with the flashings.

Protects against moisture forming outdoors – balconies and terraces, etc.
Protects substrates against moisture formed indoors – plasters and screeds in wet rooms (bathrooms, baths, showers, kitchens, wash rooms), particularly in wet zones of these rooms - around shower cabins, wash basins, bathtubs, sinks, etc.
Recommended for protection of elements particularly exposed to damage when in contact with moisture - gypsum (plasterboards and plasters) and anhydrite products, cellular concrete, OSB boards, etc.

Types of sealed substrates – PVC, steel sheet, cement, lime-cement or gypsum plasters, cement and anhydrite screeds, concrete and ferroconcrete elements, plasterboards, OSB, ATLAS WODER type waterproofing membranes.

Properties

Longitudinal rigidity.
High tensile strength.
Self-adhesive layer with removable protective lining.
Excellent adhesion to ATLAS WODER type waterproofing membranes.
Provides appropriate adhesion for tile adhesives.
Colour: grey

Technical data

The tape consists of two layers: polypropylene non-woven fabric and butyl rubber coating.

Areal weight:	approx. 72 g/m
Width	100 mm and 150 mm
Thickness	0.85 mm (without the protective lining)
Temperature during application	from -5° C to + 60° C
Resistance to temperature	from -35° C to + 60° C
Maximum inner breaking pressure	0.4 bar
Ultimate elongation – lengthwise	54 %
Ultimate elongation – lateral	81 %
Breaking strength – lengthwise	32 N/15 mm
Breaking strength – lateral	23 N/15 mm
Resistance to water pressure	0.2 bar (2 m water column)

Tape installation

Substrate preparation
The substrate should be even, smooth, clean, free of dust, lime deposit and other contaminants.

Sealing
Remove the protective foil from the self-adhesive layer and apply the tape along the elements to be sealed. After applying the tape it is necessary to apply a protective layer, e.g. made of ATLAS WODER DUO, ATLAS WODER S or ATLAS WODER E and lay ceramic tiles, natural stone, mosaic render, etc.

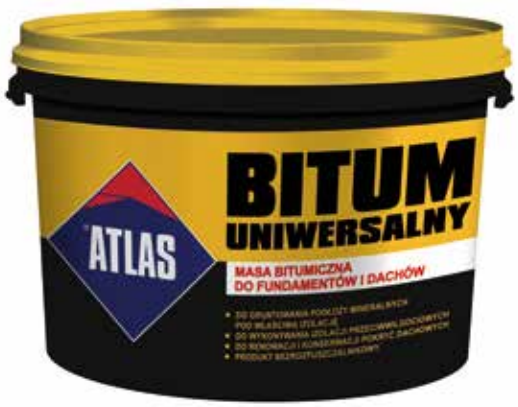
Packaging

Tape width	100 mm	150 mm
Roll length	10 m	20 m

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2013-04-12

ATLAS GENERAL-PURPOSE BITUMEN MASS

bitumen mass for foundations and roofs



- primes mineral substrates for application of main damp proofing
- for damp proofing
- for renovation and repairs of roofing membranes
- solvent-free

Use

Priming mineral substrates before application of main damp proofing – e.g. SMB BITUMINOUS MEMBRANE ATLAS.
Forms light type damp proofing – e.g. upon foundations.
Renovation and conservation of roofing membranes.

Properties

Very good bonding to mineral substrates.
Can be used on dry or damp substrate.
Quick and easy in use.
Thixotropic.
Solvent-free, contains no polyvinyl phenols and biphenyls.
Protects against damp and water.
Resistant to atmospheric factors action.
Ecological.

Technical data

ATLAS GENERAL-PURPOSE BITUMEN MASS is a dispersive asphalt-rubber mass, cold-applied. It is manufactured on the basis of aqueous emulsion of bitumen, rubber and improvers.

Density	approx. 1.1 kg/dm^3
Min. coat thickness used in a single application	2 mm
Mass preparation temperature, ambient and substrate temperature during work	from +5 °C to +25 °C
Coat forming time	approx. 6 hours
Time between subsequent coats application	approx. 6 hours
Resistance to rain	after approx. 8 hours

Technical requirements

The product conforms to PN-B-24000:1997 standard, type Dn. Domestic Declaration of Conformity IZ001 of 2012-08-28.

Mass use

Substrate preparation
The substrate should be:
- even,
- clean,
- dry or matt-wet,
- smooth,
- free of grease, dripstones and other anti-adhesive substances; substrates coated with cement laitance should be mechanically cleaned,
- primed.

Substrate priming
Dilute ATLAS GENERAL-PURPOSE BITUMEN MASS with water in 1:1 ratio. Apply the mass upon substrate with a brush or a roofing brush.

Repairs of roofing membranes
Cut or squeeze blisters in damaged roofing membranes, repair and clean the points, cut membrane pieces should be filled with an adhesive for roofing membranes or stuck/welded with patches of roofing felt. After filling the gaps and drying, ATLAS GENERAL-PURPOSE BITUMEN MASS is applied with two coats, the second one when the previous one dries. Strengthen the contact points of roofing membranes with chimneys, ventilation ducts, etc. with reinforcing fabric, which should be folded up to appropriate height. Sprinkle fresh last coat with mineral granules. This action significantly extends durability of applied coating.

Damp proofing
Apply undiluted mass with a brush or a float, so the dry residue keeps min. 1 mm thick. Each application should be carried out when the previous coat dries. Application should not be carried out during precipitation and in strong sunshine.

Consumption

Average consumption:
- approx. 0.2 kg/m^2 per coat (priming)
- approx. 1.5 kg/m^2/mm (damp-proofing)
- 0.5 kg/m^2 per coat (on roofing membranes).

Important additional information

- Do not use with tar materials.
- The tools must be cleaned before the mass dries – with water, after drying – with nitro thinners.
- Keep out of reach of children. Follow the instructions of the Safety Data Sheet.
- All parameters listed refer to use in temperature +23°C and relative humidity 55%. Higher temperature and lower air humidity accelerate, lower temperatures and higher air humidity extend the time of processing and setting.
- Shelf life of product kept in original sealed packaging, in dry rooms in temperature above +5°C is 12 months from the production date shown on the packaging.

Packaging

Plastic buckets: 10 kg, 20 kg
Pallet: 480 kg in 10 kg buckets, 540 kg in 20 buckets

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2014-04-04

ATLAS SMB BITUMINOUS MEMBRANE

self-adhesive asphalt membrane

- SBS – modified
- waterproof and damp-proof
- vapour barrier
- for balconies, terraces, foundations
- for cellars, underground garages

Use

Waterproofing underground building elements, e.g. foundations, retaining walls, etc.
Waterproofing terraces and balconies.
Can be used indoors – in cellars, underground garages, halls, warehouses, etc.
Execution of vapour barrier layers of terraces – diffusion equivalent of a single layer Sd = 488 m.

Types of waterproofed substrates – concrete, cement screeds, galvanized steel sheet, extruded polystyrene boards, polystyrene boards.

Properties

Self – adhesive properties.
Keeps elasticity parameters even in temperature -30°C.
Easy in use – unlike heat–welded membranes does not require the use of torches, etc.
Membrane dimensions – width 1.0 m, length 15.0 m, thickness 1.5 mm

Technical data and requirements

ATLAS SMB BITUMINOUS MEMBRANE is a roll bitumen membrane formed in one-side thick foil coating with SBS-modified asphalt.

CE 1434 13	PN-EN 13969:2006 and PN-EN 13969:2006/A1:2007
Asphalt product for damp proofing (Type A) and for waterproofing underground elements (Type T). For indoor and outdoor use. 1m x 15m x 1.5 mm, polyethylene foil, asphalt modified with SBS, back side protected with an anti-adhesion divider. For fixing with the membrane self-adhesive properties.	
Reaction to fire	E
Watertightness	meets the requirements (60 kPa)
Impact resistance	350 mm (A method)
Joint strength in direction:	- along 200N/50mm±50N/50 mm - across 225N/50mm±50N/50 mm
Elasticity	-30°C
Tensile strength in direction:	- along 225N/50mm ± 50N/50mm - across 225N/50mm ± 50N/50 mm
Expansion in direction:	- along 200% ± 50% - across 200% ± 50%
Static load resistance (method B)	10 kg
Tear strength in direction:	- along 125 ± 50 N - across 125 ± 50 N
Durability: - after ageing - after chemical action	- meets the requirements - according to the appendix A of the standard
Release/content of hazardous substances	See: Safety Data Sheet

CE 1434 13	PN-EN 14967:2007
Asphalt product for damp proofing. For indoor and outdoor use. 1m x 15m x 1.5 mm, polyethylene foil, asphalt modified with SBS, back side protected with an anti-adhesion divider. For fixing with the membrane self-adhesive properties.	
Reaction to fire	E
Watertightness	meets the requirements (60 kPa)
Impact resistance	350 mm (A method)
Elasticity	-30°C
Tensile strength in direction:	-
Expansion in direction:	-
Static load resistance	-
Durability: - after ageing - after chemical action	- meets the requirements - according to the appendix A of the standard
Release/content of hazardous substances	See: Safety Data Sheet

The product conforms to PN-EN 13969:2006 and PN-EN 13969:2006/A1:2007 standards. Factory Production Control Certificate no. 1434-CPD-0176.
The product conforms to PN-EN 14967:2007 standard.
EC Declaration of Performance no. 043-CPR-2013/07/01.
The product has been given the Hygienic Certificate no. 85/322/95/2013.

Waterproofing

Substrate and membrane preparation
Substrate should be dry, even, mechanically strong, with no loose contaminants, oily stains or water. Absorptive substrate, such as concrete or screed, should be primed with GENERAL-PURPOSE BITUMINOUS COMPOUND.
In lower ambient temperature, the membrane should be stored within 24 hours before use in temperature not lower than +18°C. The substrate onto which the membrane is to be applied, should be dry, free from frost and rime.

Membrane fixing
Membrane should be fixed, using its self – adhesive properties. Remove the foil from the back side when unrolling the roll. Press the whole membrane surface onto the substrate, particularly carefully on overlaps. It is advised to conduct the fixing in temperature above 0°C, which enables quick bonding of the membrane to the substrate. When applying the subsequent rolls, it is obligatory to keep the membrane overlaps:
- approx. 9 cm wide on joints along the membrane band,
- approx. 12 cm wide on the joints across the membrane band.

Every time, when finishing the installation, it is obligatory to check the correctness of joints on overlaps.
The upper edge of the membrane used as the vertical waterproofing should be fixed to concrete mechanically, e.g. with the use of fixings with rings. The perfect solution is to end the upper edge with a pressing bead. It ensures clamp and tightness of the joint all along the membrane.
At zones where the membrane passes from horizontal onto vertical surface, it should be additionally heated on vertical overlaps with a small torch, which improves the bonding strength.

Important additional information

- The back side of the membrane band is protected from sticking with paper or foil, which should be removed during the membrane installation.
- The membrane rolls must be protected during transport and storage against dampness, direct sunlight, kept in a single layer in vertical position, in a way preventing its moving and damaging. The membrane rolls should be stored on even ground, max. 1,200 pcs, keep the distance of 80 cm from the next product batch and min. 120 cm from the heaters.
- Follow the transport safety regulations during transport.

Packaging

Number of rolls on a pallet: 15 pcs.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2015-11-06

ATLAS BUILDING BOARD

multi-use extruded polystyrene board

- light load-bearing element
- levels surfaces beneath ceramic tiles
- element of drywall system
- on walls and floors, indoors and outdoors

Use

Leveling surfaces beneath ceramic tiles, mosaics, structural renders and paint coats – alternative for plasterboards, leveling mortars, traditional gypsum, cement and cement-lime plasters.
Construction of partition walls.
Installation of casing around sanitary equipment – baths, shower trays, recessed installations, plumbing, pipes, etc.
Construction of ready-to-use elements in bathrooms and spa – benches, seats, massage benches, couches, etc. Possibility of installation of electrical heating system, which significantly improves comfort of use.
Installation of non-structural elements, including arc-shaped ones – straight and curved ones.
For places exposed to intensive damp and water drops action – in bathrooms, shower cubicles, steam rooms, etc.
On standard and deformable substrates – cement mortars, anhydrite and cement screeds, cement, cement-lime and gypsum plasters, concrete, walls made of cellular concrete, ceramic or silicate bricks or hollow blocks (with obligatory joints grouting), gypsum blocks, terrazzo, existing ceramic and stone cladding, paint coatings bonded to substrates, wooden floors (thick. > 25 mm), OSB and chipboards (thick. > 25 mm on floors and > 18 mm on walls), vertical steel and wooden frame.
In residential, public access, healthcare, recreation and sport, commercial and service, industrial, sacral buildings – in kitchens, bathrooms, laundries, garages, wash rooms, rooms washed with plenty of water, sauna, communication routes, on terraces, balconies, façades.
With any type of cladding – glazed, terracotta, porcelain-gres, clinker, stone, ceramic and glass mosaics, composite panels, marble and natural stone, sound proofing boards.

Properties

Resistant to water action – board is made of low absorbable polystyrene with hydrophobic cement-polymer coating.
Forms rigid construction of high resistance to mechanical load.
Forms substrate assuring perfect bonding to cement binders (adhesives, plasters).
Light, easy in transportation – core made of extruded polystyrene ensures low weight, even of large size boards, therefore makes board transportation and fixing easy with no reduction of strength.
Easy and quick in use – any casing shape available, from straight angles to arc-shapes; boards can be cut with knives, hand saws, jigsaws and electric saws.

Technical data and requirements

ATLAS BUILDING BOARD is manufactured in the form of core made of extruded polystyrene, reinforced from both sides with fiberglass mesh and coated with high quality cement and synthetic resins.

Core relative density	≥ 32 kg/m^3
Thermal conductivity λ_D	0.037 W/mK
Max. temperature of use	+ 70°C
Dimension tolerance (acc. to PN-EN 822:2013, PN-EN 823:2013) - length - width - thickness	 ± 10 mm ± 8 mm 0/+3 mm
Flatness tolerance (acc. to PN-EN 825:2013)	≤ 14 mm/m
Rectangularity tolerance (acc. to PN-EN 824:2013)	≤ 5 mm/m
Compressive strength at 10% deformation	≥ 0.3 MPa
Water absorbability - after 1 h -after 24 h	 ≤ 1 kg/m^2 ≤ 1 kg/m^2
Flexural strength perpendicular to front surface: - after 28 days in laboratory conditions - after 7 days in laboratory conditions and 21 days in water - after 7 days in laboratory conditions and 14 days in temperature +70°C - after 7 days in laboratory conditions, 21 days in water and 25 freeze-thaw cycles	 ≥ 0.4 MPa ≥ 0.4 MPa ≥ 0.4 MPa ≥ 0.14 MPa
Reaction to fire - class	E

The product has been given the ITB Technical Approval No. AT-15-9012/2015, Declaration of Conformity No. 29/2012 of 29.12.2015.

Installation

Substrate preparation

The substrate should be:

- **clean** – free from residues of old mortars, plasters, any loosening pieces, dust and other substances which would impair bonding,
- **rigid and sound** – particularly frames,
- **primed** – any absorbable substrates, e.g. walls made of ceramic brick, cellular concrete, gypsum substrates.

When using ATLAS BUILDING BOARDS outdoors (e.g. beneath ceramic tiles on terraces) and in zones exposed to intensive water action (shower cubicles), one should coat them with damp proofing (e.g. ATLAS WODER DUO) and protect joints with sealing tapes.

ATLAS BUILDING BOARD – fixing methods:

	Method	Use
1	Full surface coating with adhesive mortar	- substrate leveling - eliminating differences in vertical/horizontal levels - installation of substrates beneath cladding
2	Point coating with adhesive and mechanical fixing	- in case of poor bonding of substrate surface - substrate leveling - eliminating differences in level > 10 mm
3	With frame and fixings with washers	- installation of partition walls - installation of pipes and wiring casing - construction of room elements

General principles on use

Boards should be fixed with cement adhesive mortars. In case of significant substrate irregularities, one should use additional mechanical fixing with anchors. Adjoining boards can be joined with polyurethane or hybrid sealants and adhesives. For the time of assembling and drying, construction should be stabilized with special long thread screws. In order to prevent screw penetration through boards, use screws with special washers extending the contact surface.

Installation with full surface coating with adhesive mortar:

1. Clean and prime substrate.
2. Fill any substrate gaps and irregularities.
3. Apply adhesive mortar with a notched trowel.
4. Press boards towards adhesive coat, so whole board surface keeps contact with adhesive.
5. Check and correct board level (vertical and horizontal).
6. In order to improve rigidness and sealing, adjoining boards front edges can be joined with polyurethane sealant and adhesive.
7. Float joints with adhesive mortar, seal with sealing tape then – particularly important for zones exposed to damp.

Installation with point coating with adhesive and mechanical fixing:

1. Mark points where adhesive will be applied.
2. Drill the board through.
3. Apply adhesive mortar upon marked points.
4. In order to improve rigidness and sealing, adjoining boards front edges can be joined with polyurethane sealant and adhesive.
5. Place and press board towards wall, check and correct board level (vertical and horizontal).
6. When adhesive mortar sets, drill anchoring holes (after 24 h for ATLAS PLUS adhesive).
7. Install anchors in holes previously drilled in wall (drilled through board and set adhesive). Hammer-in the anchors.
8. Float joints with adhesive mortar, seal with sealing tape then – particularly important for zones exposed to damp.

Installation with frame:

1. Check the frame rigidness and make sure its elements are placed in a way allowing appropriate fixings installation.
2. Cut board to size.
3. Screw the board to frame. Make sure it does not displace during assembly. Boards in rows should be staggered.
4. In order to improve rigidness and sealing, adjoining boards front edges can be joined with polyurethane sealant and adhesive.
5. Float joints with adhesive mortar, seal with sealing tape then – particularly important for zones exposed to damp.

Boards dimensions and packaging

Type	Thickness [mm]	Width [mm]	Length [mm]	Pallet [pcs]	Pallet gross weight [kg]
ATLAS BUILDING BOARD	12	600	1,200	120	320
ATLAS BUILDING BOARD	12	600	2,500	120	584
ATLAS BUILDING BOARD	20	600	1,200	72	208
ATLAS BUILDING BOARD	20	600	2,500	72	395
ATLAS BUILDING BOARD	30	600	1,200	48	160
ATLAS BUILDING BOARD	30	600	2,500	48	294
ATLAS BUILDING BOARD	50	600	1,200	30	116
ATLAS BUILDING BOARD	50	600	2,500	30	224
ATLAS BUILDING BOARD SCORED – one side coated 1S	20	600	1,200	72	136
ATLAS BUILDING BOARD SCORED – one side coated 1S	20	600	2,500	72	244
ATLAS BUILDING BOARD SCORED – one side coated 1S	30	600	1,200	48	102
ATLAS BUILDING BOARD SCORED – one side coated 1S	30	600	2,500	48	179
ATLAS BUILDING BOARD SCORED – one side coated 1S	50	600	1,200	30	86
ATLAS BUILDING BOARD SCORED – one side coated 1S	50	600	2,500	30	155
ATLAS BUILDING BOARD SCORED – two side coated 2S	12	600	1,200	120	320
ATLAS BUILDING BOARD SCORED – two side coated 2S	12	600	2,500	120	584
ATLAS BUILDING BOARD SCORED – two side coated 2S	20	600	1,200	72	208
ATLAS BUILDING BOARD SCORED – two side coated 2S	20	600	2,500	72	395
ATLAS BUILDING BOARD SCORED – two side coated 2S	30	600	1,200	48	160
ATLAS BUILDING BOARD SCORED – two side coated 2S	30	600	2,500	48	294
ATLAS BUILDING BOARD SCORED – two side coated 2S	50	600	1,200	30	116
ATLAS BUILDING BOARD SCORED – two side coated 2S	50	600	2,500	30	224

*Two side coated boards available on request.

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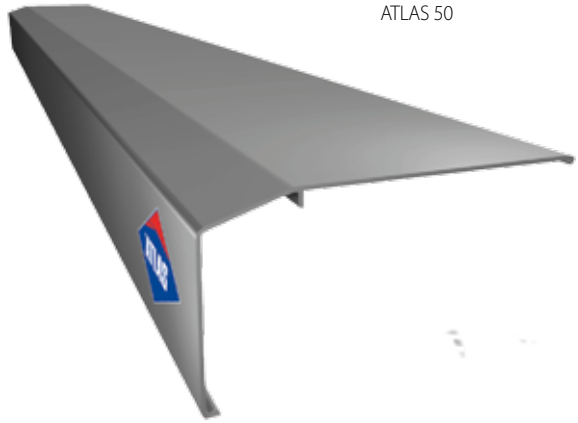
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2016-06-28

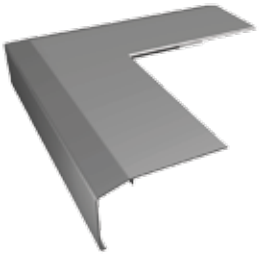


ATLAS 50

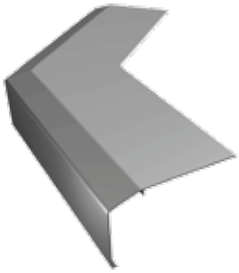
ATLAS 50

aluminum eaves profile for balconies and terraces

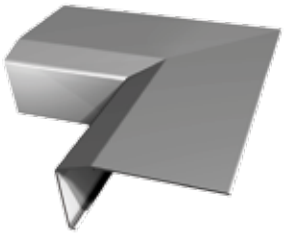
- element of drainage systems
- resistant to weather conditions
- resistant to mechanical damage
- fast and easy to install



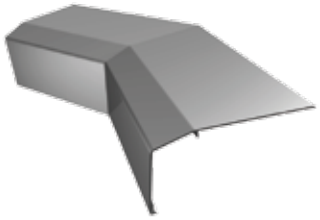
Outer corner 90°



Outer corner 135°



Inner corner 90°



Inner corner 135°

Connector

Use

Ensures efficient drainage of rainwater - from balconies or other horizontal building elements finished with ceramic cladding.
Makes it possible to keep the eaves area watertight - since the construction of the profiles used in the system enables their tight combination with the waterproofing and flooring.

Substrate types – cement-based and other substrates with sufficient rigidity or load capacity.

Properties

Quick and easy to install.
Long-lasting durability - resistant to weather conditions, corrosion, aggressive environment, high pH and UV radiation.
Manufactured in three colour versions: grey (RAL 7037), brown (RAL 8019) and graphite (RAL 7024). It is possible to order elements with any RAL colour.
Possibility of ordering corners of any angle or arc-shaped ones.

Technical data

The finishing profiles and accessories are made of polyester-coated aluminum.

Weight of the main eaves profiles of ATLAS 50 system: 750 g/m
Polyester coat thickness: ca. 70 µm

General guidelines on profiles installation

Substrate and profiles preparation
The substrate must be sound, even and clean. Cement-based substrates should be fully set and stable. There should be an offset (a decrease of approx. 3 mm) along the edge of the balcony or terrace of the width of the profile to be installed (80 mm), so that, after the installation of the profile, its surface keeps the same level as the screed. In order to do that, the package holds an ABS template, which should be embedded in the screed layer during the screed installation. Once the screed is set, the ABS template should be removed. This way the ready offset , in which the profile can be installed, is achieved.
Before installation, the profiles should be carefully measured and cut to fit the edge being finished.

Installation of system components

Trowel the surface with ATLAS WODER S, ATLAS WODER E or ATLAS WODER DUO waterproofing membrane. Start the eaves elements assembly from the CORNERS. Make sure the profile endings adjoining the wall are not attached rigidly (keep an expansion joint of approx. 5 mm). Connections: MAIN PROFILE - CORNER and MAIN PROFILE - MAIN PROFILE, should be executed with the use of CONNECTORS. The connections should keep an expansion joint of 1-2 mm and should be sealed from the screed side with permanently flexible material, e.g. ATLAS ARTIS silicone. Recoat the installed profile with waterproofing membrane and then embed ATLAS HYDROBAND 3G sealing tape. Apply another coat of waterproofing membrane after approx. 3 hours.

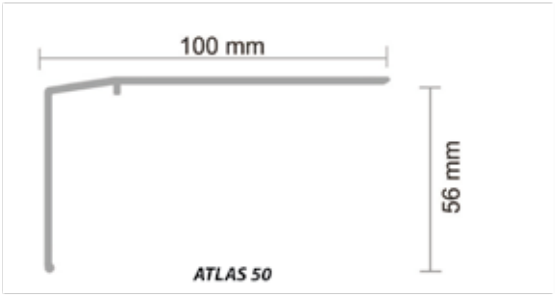
Important additional information

- The profiles should only be cut using hand or mechanical saw suitable for aluminum cutting. Profiles must not be cut with tools causing a thermal effect (rapid temperature increase), e.g. an angle grinder.
- Installation work should be carried out in conditions suitable for the use of waterproofing and assembling materials according to their respective technical data sheets. Protect the floated surfaces from excessive drying and moisture.
- Use eye protection. Remove any fresh material contaminating the profiles with water, and hardened material — with an appropriate cleaning agent, safe for top coatings.
- The profiles should be transported in original packaging, in horizontal position, protected from mechanical damage. Store the profiles indoors, protecting them from dirt, warping and scratching, in boxes, arranged in layers (maximum 10 layers).

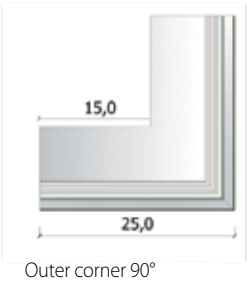
System components

Atlas 50 Main Profile - brown
Atlas 50 Main Profile - grey
Atlas 50 Main Profile - graphite
Atlas 50 Outer Corner 90 - brown
Atlas 50 Outer Corner 90 - grey
Atlas 50 Outer Corner 90 - graphite
Atlas 50 Inner Corner 90 - brown
Atlas 50 Inner Corner 90 - grey
Atlas 50 Inner Corner 90 - graphite
Atlas 50 Outer Corner 135 - brown
Atlas 50 Outer Corner 135 - grey
Atlas 50 Outer Corner 135 - graphite
Atlas 50 Inner Corner 135 - brown
Atlas 50 Inner Corner 135 - grey
Atlas 50 Inner Corner 135 - graphite
Atlas 50 Connector - brown
Atlas 50 Connector - grey
Atlas 50 Connector - graphite

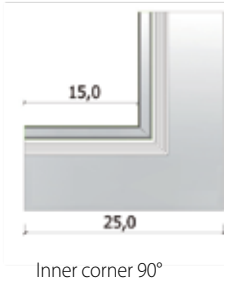
Profiles cross-sections



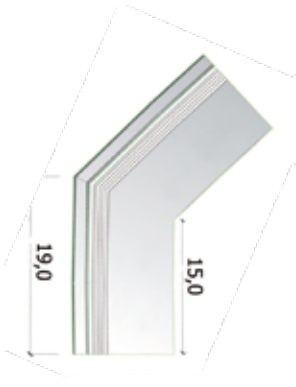
Corner view



Outer corner 90°



Inner corner 90°



Outer corner 135°

Inner corner 135°

Packaging

Type of element	Type of packaging	No. of units in packaging
Main profile: 2 m long	cardboard box	4
Inner or outer corner	cardboard box	2
Connector	cardboard box	10
ABS template	cardboard box (template packed with main profiles)	2

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
Date of update: 2014-03-26

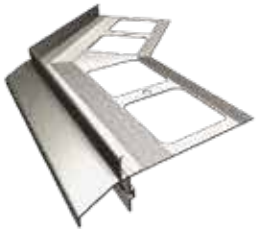
ATLAS 100

ATLAS 150

ATLAS 100 outer corner 90°

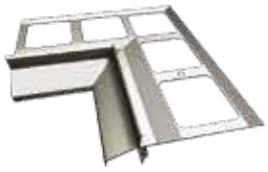
ATLAS 150 outer corner 90°

ATLAS 100 outer corner 135°



ATLAS 150 outer corner 135°

ATLAS 100 inner corner 90°



ATLAS 150 inner corner 90°

ATLAS 100 inner corner 135°

ATLAS 150 inner corner 135°

Connector

Ending

ATLAS 100 & 150

aluminum eaves profiles for balconies and terraces

- element of drainage systems
- resistant to weather conditions
- resistant to mechanical damage
- fast and easy to install

Use

Ensures efficient drainage of rainwater from balconies or other horizontal building elements finished with ceramic cladding.
Makes it possible to keep the eaves area watertight, since the construction of the profiles used in the system enables their tight combination with the waterproofing and flooring.

Substrate types – cement-based and other substrates with sufficient rigidity or load capacity.

Properties

Equipped with a drip carrying water off beyond the wall surface.
Possibility of attaching a gutter underneath - only ATLAS 150 system.
Holds backer rod fixed, separating the profiles from the finishing coats - it is placed over the draining holes.
Quick and easy to install.
Long-lasting durability — resistant to weather conditions, corrosion, aggressive environment, high pH and UV radiation.
The system is manufactured in three colour versions: grey (RAL 7037), brown (RAL 8019) and graphite (RAL 7024). It is possible to order any color from the RAL colour chart (minimum order is 10 Main Profile units). Delivery time of custom orders is 14 working days.
Possibility of ordering corners of any angle or arc-shaped ones. Delivery time of custom orders is 14 working days.

Technical data

The finishing profiles and accessories are made of polyester-coated aluminum.

Weight of the main eaves profiles of ATLAS 100 system: 610 g/m	
Weight of the main eaves profiles of ATLAS 150 system: 1090 g/m	
Polyester coat thickness	ca. 70 µm

General guidelines on profiles installation

Substrate and profiles preparation

The substrate must be sound, even and clean. Cement-based substrates should be fully set and stable. There should be an offset (a decrease of approx. 3 mm) along the edge of the balcony or terrace of the width of the profile to be installed (80 mm), so that, after the installation of the profile, its surface keeps the same level as the screed. In order to do that, the package holds an ABS template, which should be embedded in the screed layer during the screed installation. Once the screed is set, the ABS template should be removed. This way the ready offset , in which the profile can be installed, is achieved.
Before installation, the profiles should be carefully measured and cut to fit the edge being finished.

Installation of system components

Trowel the surface with ATLAS WODER S, ATLAS WODER E or ATLAS WODER DUO waterproofing membrane. The installation of eaves profiles should start from the CORNERS. Apply the system ENDING on the profile adjoining the wall. Make sure the profile endings adjoining the wall are not attached rigidly (keep an expansion joint of approx. 5 mm). Connections: MAIN PROFILE - CORNER and MAIN PROFILE - MAIN PROFILE, should be executed with the use of CONNECTORS. The connections should keep an expansion joint of 1-2 mm and should be sealed from the screed side with permanently flexible material, e.g. ATLAS ARTIS silicone. Recoat the installed profile with waterproofing membrane and then apply ATLAS SEALING TAPE or ATLAS HYDROBAND (leaving the draining holes open). Apply another coat of waterproofing membrane after approx. 3 hours. Fill the space between the profile and tiles with appropriate flexible sealants, e.g. ATLAS ARTIS silicone.

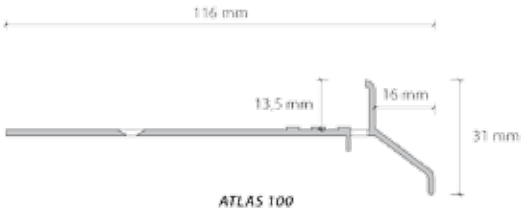
Important additional information

- The profiles should only be cut using hand or mechanical saw suitable for aluminium cutting. Profiles must not be cut with tools causing a thermal effect (rapid temperature increase), e.g. an angle grinder.
- Installation work should be carried out in conditions suitable for the use of waterproofing and assembling materials according to their respective technical data sheets. Protect the floated surfaces from excessive drying and moisture.
- Use eye protection. Remove any fresh material contaminating the profiles with water, and hardened material - with an appropriate cleaning agent, safe for top coatings.
- The profiles should be transported in original packaging, in horizontal position, protected from mechanical damage. Store the profiles indoors, protecting them from dirt, warping and scratching, in boxes, arranged in layers (maximum 10 layers).

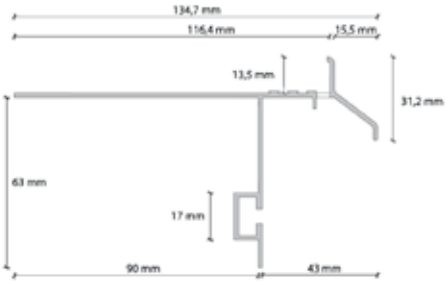
System components

SYSTEM ATLAS 100	SYSTEM ATLAS 150
Atlas 100 Main Profile - brown	Atlas 150 Main Profile - brown
Atlas 100 Main Profile - grey	Atlas 150 Main Profile - grey
Atlas 100 Main Profile - graphite	Atlas 150 Main Profile - graphite
Atlas 100 Outer Corner 90 - brown	Atlas 150 Outer Corner 90 - brown
Atlas 100 Outer Corner 90 - grey	Atlas 150 Outer Corner 90 - grey
Atlas 100 Outer Corner 90 - graphite	Atlas 150 Outer Corner 90 - graphite
Atlas 100 Inner Corner 90 - brown	Atlas 150 Inner Corner 90 - brown
Atlas 100 Inner Corner 90 - grey	Atlas 150 Inner Corner 90 - grey
Atlas 100 Inner Corner 90 - graphite	Atlas 150 Inner Corner 90 - graphite
Atlas 100 Outer Corner 135 - brown	Atlas 150 Outer Corner 135 - brown
Atlas 100 Outer Corner 135 - grey	Atlas 150 Outer Corner 135 - grey
Atlas 100 Outer Corner 135 - graphite	Atlas 150 Outer Corner 135 - graphite
Atlas 100 Inner Corner 135 - brown	Atlas 150 Inner Corner 135 - brown
Atlas 100 Inner Corner 135 - grey	Atlas 150 Inner Corner 135 - grey
Atlas 100 Inner Corner 135 - graphite	Atlas 150 Inner Corner 135 - graphite
Atlas 100 Connector - brown	Atlas 150 Connector - brown
Atlas 100 Connector - grey	Atlas 150 Connector - grey
Atlas 100 Connector - graphite	Atlas 150 Connector - graphite
Atlas 100 Ending - brown	Atlas 150 Ending - brown
Atlas 100 Ending - grey	Atlas 150 Ending - grey
Atlas 100 Ending - graphite	Atlas 150 Ending - graphite

Profiles cross-sections



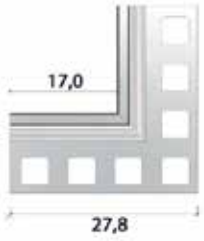
ATLAS 100



ATLAS 150

Corner view

Outer corner 90°



Inner corner 90°

Outer corner 135°

Inner corner 135°

Packaging

Type of element	Type of packaging	No. of units in packaging
Main profile: 2 m long	foil	1
Inner or outer corner	foil	1
Connector	cardboard box	5
Ending: 1 set (1 left-hand and 1 right-hand piece)	cardboard box	2

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At the time of publication of this product data sheet all previous ones become void.
Date of update: 2013-07-19

ATLAS 200

ATLAS 300

ATLAS 200 & 300

aluminum eaves profiles for balconies and terraces

- element of drainage systems
- resistant to weather conditions
- resistant to mechanical damage
- fast and easy to install

ATLAS 200 outer corner 90°

ATLAS 300 outer corner 90°

ATLAS 200 outer corner 135°

ATLAS 300 outer corner 135°

ATLAS 200 inner corner 90°

ATLAS 300 inner corner 90°

ATLAS 200 inner corner 135°

ATLAS 300 inner corner 135°

gutter bracket 75 mm

connector

Use

Ensures efficient drainage of rainwater from the surfaces of terraces or other horizontal building elements finished with ceramic cladding.
Makes it possible to keep the eaves area watertight, since the construction of the profiles used in the system enables their tight combination with the waterproofing and flooring.
Enables the discharge of moisture from beneath the cladding – owing to the use of ATLAS MAT 630 and its drainage properties.
Reduces the possibility of thermal damage – owing to the use of ATLAS MAT 630 and its drainage and crack-relief properties.

Substrate types – cement-based and other substrates with sufficient rigidity or load capacity.

Properties

The possibility of using the drainage and crack-relief mats ATLAS MAT 630.
The possibility of attaching a gutter underneath.
Holds backer rod fixed, separating the profiles from the finishing coats - it is placed over the draining holes.
Quick and easy to install.
Long-lasting durability – resistant to weather conditions, corrosion, aggressive environment, high pH and UV radiation.
The system is manufactured in three colour versions: – grey (RAL 7037), brown (RAL 8019) and graphite (RAL 7024). It is possible to order any color from the RAL colour chart (minimum order is 10 Main Profile units). Delivery time of custom orders is 14 working days.
Possibility of ordering corners of any angle or arc-shaped ones. Delivery time of custom orders is 14 working days.

Technical data

The finishing profiles and accessories are made of polyester-coated aluminum.

Weight of the main eaves profiles of particular systems: ATLAS 200 - 1180 g/m ATLAS 300 - 1540 g/m	
Polyester coat thickness	ca. 70 µm

General guidelines on profiles installation

Substrate and profiles preparation

The substrate must be sound, even and clean. Cement-based substrates should be fully set and stable. There should be an offset (a decrease of approx. 3 mm) along the edge of the balcony or terrace of the width of the profile to be installed (80 mm), so that, after the installation of the profile, its surface keeps the same level as the screed. In order to do that, the package holds an ABS template, which should be embedded in the screed layer during the screed installation. Once the screed is set, the ABS template should be removed. This way the ready offset , in which the profile can be installed, is achieved.
Before installation, the profiles should be carefully measured and cut to fit the edge being finished.

Installation of system components

Trowel the surface with ATLAS WODER S, ATLAS WODER E or ATLAS WODER DUO waterproofing membrane and then lay the main profile on it and fasten mechanically. Use CONNECTORS for the joints between the MAIN PROFILES and CORNERS. The connections should be sealed from the screed side with permanently flexible material, e.g. ATLAS ARTIS silicone. Make sure the profile endings adjoining the walls are not attached rigidly (keep an expansion joint of approx. 5 mm). Use the ENDINGS included in the system. Recoat the installed profile with waterproofing membrane and then apply ATLAS SEALING TAPE or ATLAS HYDROBAND (leaving the draining holes open). Apply another coat of waterproofing membrane after approx. 3 hours. Fill the space between the profile and tiles with appropriate flexible sealants, e.g. ATLAS ARTIS silicone. Carry out the installation of the drainage mat according to the guidelines in ATLAS MAT 630 Technical Data Sheet.

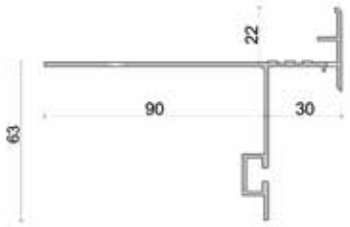
Important additional information

- The profiles should only be cut using hand or mechanical saw suitable for aluminium cutting. Profiles must not be cut with tools causing a thermal effect (rapid temperature increase), e.g. an angle grinder.
- Installation work should be carried out in conditions suitable for the use of waterproofing and assembling materials according to their respective technical data sheets. Protect the floated surfaces from excessive drying and moisture.
- Use eye protection. Remove any fresh mortar contaminating the profiles with water, and hardened material — with an appropriate cleaning agent, safe for top coatings.
- The profiles should be transported in original packaging, in horizontal position, protected from mechanical damage. Store the profiles indoors, protecting them from dirt, warping and scratching, in boxes, arranged in layers (maximum 10 layers).

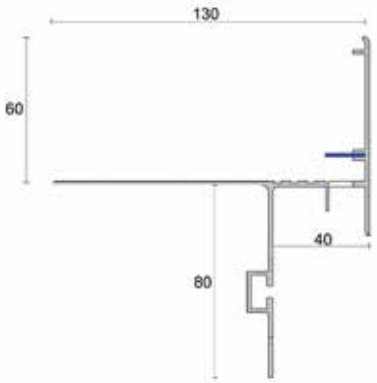
System components

SYSTEM ATLAS 200	SYSTEM ATLAS 300
Atlas 200 Main Profile - brown	Atlas 300 Main Profile - brown
Atlas 200 Main Profile - grey	Atlas 300 Main Profile - grey
Atlas 200 Main Profile - graphite	Atlas 300 Main Profile - graphite
Atlas 200 Outer Corner 90 - brown	Atlas 300 Outer Corner 90 - brown
Atlas 200 Outer Corner 90 - grey	Atlas 300 Outer Corner 90 - grey
Atlas 200 Outer Corner 90 - graphite	Atlas 300 Outer Corner 90 - graphite
Atlas 200 Inner Corner 90 - brown	Atlas 300 Inner Corner 90 - brown
Atlas 200 Inner Corner 90 - grey	Atlas 300 Inner Corner 90 - grey
Atlas 200 Inner Corner 90 - graphite	Atlas 300 Inner Corner 90 - graphite
Atlas 200 Outer Corner 135 - brown	Atlas 300 Outer Corner 135 - brown
Atlas 200 Outer Corner 135 - grey	Atlas 300 Outer Corner 135 - grey
Atlas 200 Outer Corner 135 - graphite	Atlas 300 Outer Corner 135 - graphite
Atlas 200 Inner Corner 135 - brown	Atlas 300 Inner Corner 135 - brown
Atlas 200 Inner Corner 135 - grey	Atlas 300 Inner Corner 135 - grey
Atlas 200 Inner Corner 135 - graphite	Atlas 300 Inner Corner 135 - graphite
Atlas 200 Connector - brown	Atlas 300 Connector - brown
Atlas 200 Connector - grey	Atlas 300 Connector - grey
Atlas 200 Connector - graphite	Atlas 300 Connector - graphite
Atlas 200 Ending - brown	Atlas 300 Ending - brown
Atlas 200 Ending - grey	Atlas 300 Ending - grey
Atlas 200 Ending - graphite	Atlas 300 Ending - graphite
Atlas Mat 630	Atlas Mat 630

Profiles cross-sections

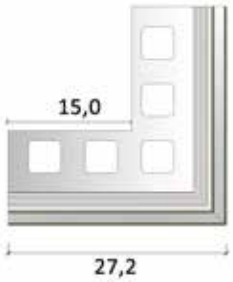


ATLAS 200

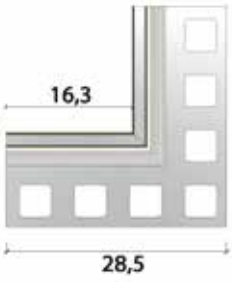


ATLAS 300

Corner view



Outer corner 90°



Inner corner 90°

Outer corner 135°

Inner corner 135°

Packaging

Type of element	Type of packaging	No. of units in packaging
Main profile: 2 m long	foil	1
Inner or outer corner	foil	1
Connector	cardboard box	5
Ending: 1 set (1 left-hand and 1 right-hand piece)	cardboard box	2

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At the time of publication of this product data sheet all previous ones become void.
Date of update: 2013-06-03

ATLAS MAT 630

drainage and crack-relief mat

- reduces tension in the terrace floor
- drains the moisture

Use

A drainage and crack-relief layer for use under tiles with eaves profile systems:
• ATLAS 200 – for ceramic tiled terraces (drainage and crack-relief function),
• ATLAS 300 – for concrete as well as ceramic tiled and stone tiled terraces (drainage system).

Types of waterproofed substrates –ATLAS WODER S, ATLAS WODER E or ATLAS WODER DUO waterproofing applied onto cement screed or other rigid substrates of appropriate load capacity.

Properties

Enables fixing ceramic, natural or reconstituted stone tiles onto critical substrates (OSB boards, wooden floors, substrate with insufficient surface load capacity or contaminated substrates).
Ensures ventilation and moisture drainage from beneath the tiling.
Prevents thermal damage.

Technical data

The drainage mat consists of PVC sheet laminated with fibreglass mesh.

Weight:	630 g/m^2
Total thickness:	6.5 mm
Colour:	green

General guidelines on mat installation

Substrate preparation
The substrate must be even and stable. Cement-based substrates should be fully set and cured. The substrate should be executed with appropriate slopes. Before laying the mat it is necessary to install ATLAS 200 or ATLAS 300 eaves profiles.

Note:
If the mat is applied onto substrates exposed to water load (steps, balconies, terraces), the substrate must be protected with a waterproofing membrane, e.g. ATLAS WODER DUO, ATLAS WODER S or ATLAS WODER E. Perimeter and surface expansion joints must be protected with sealing tapes, e.g. ATLAS HYDROBAND 3G.

Drainage mat application
The mat has to be carefully measured and cut with a knife or scissors to fit the floor dimensions. The mats should be arranged side by side, with the lengthwise embossment along the direction of water flow and the mesh side up. The mesh, 9 cm in width, extending loosely beyond the edge, should overlap the adjoining mat. When applying the mat on ATLAS 200 and ATLAS 300 or floors with drains, care must be taken to leave the drainage holes in the profiles or in the terrace drain flange open. Apply ATLAS PLUS line adhesive onto the mat strips up to the mesh level, providing a spot contact with the substrate in holes and good contact between the mat and the substrate. This should be done directly after the mat placing. The surface of mat with adhesive may be exposed to load when the adhesive sets. When the substrate is so prepared, tiles may be fixed onto it with the use of adhesives from the ATLAS PLUS range.

Important additional information

- In the event of any doubts as to the suitability of the substrate, the Technical Department of ATLAS must be consulted.
- Installation work should be carried out in conditions suitable for the use of waterproofing and assembling materials according to their respective technical data sheets. Protect the floated surfaces from excessive drying and moisture.
- Remove any fresh material contaminating the profiles with water; hardened material should be removed using a suitable cleaning agent, safe for lacquer coatings. Protect the mat from sunlight during transport and storage. The material should be transported only in rolls in their original wrapping. The rolls should be kept in the upright position (lap mesh up).

Packaging

Roll, 1 m wide (plus lap mesh 0.1 m), length - 25 m
Collective package: 6 rolls on a pallet.

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At the time of publication of this product data sheet all previous ones become void.
Date of update: 2014-05-22

ATLAS BACKER ROD

flexible expansion joints backer

- flexible
- resistant to ageing
- non-absorbent
- easy to install

Use

Backing and sealing:
- expansion joints in ATLAS 100 and ATLAS 150 eaves systems for terraces and balconies.
- construction joints prior to application of sealing coatings – e.g. thermal insulation, windows and doors assembling, execution of expansion joints in floors and walls, etc.

Forms sufficiently strong base for the material sealing the joint, e.g. silicone.

Properties

Flexible – easily adjustable to the shape of the joint.
Resistant to ageing – does not deteriorate under changeable weather conditions when closed in the expansion joint sealed with silicone or other sealant; resistant to wide range of chemicals.
With closed-cell structure – impervious to water and water vapour.
Reduces the amount of material needed to fill and seal the joint.
Supports the sealants used in the expansion joint..

Technical data

The backer rod is made of foamed polyethylene. It conforms to the DIN 18540 standard.

Tensile strength	very good
Density	30-40 kg/m^3, ASTM D 1667
Temperature resistance	from -40°C to +95°C
Absorbability	non-absorbent due to closed-cell structure
Temperature during work	from -20°C to +40°C

General guidelines on backer rod installation

The diameter of the backer rod should be approx. 25% larger than the width of the joint to be filled – once installed in the joint, it should be compressed and should not move during the sealant application. The joint should be cleaned of loose elements prior to the installation of the backer rod. Press the rod into the joint using a blunt, rounded tool and place at expected depth, so the sealant can keep its appropriate thickness. Avoid stretching or compressing the rod lengthwise during the installation.
Once installed, the rod should not contact the bed of the joint.

Important additional information

- Store the backer rod in dry conditions.
- Any damage to the backer rod surface may cause the sealant bonding and disturb the uniform distribution of stress.

Packaging

Rod diameter	Type of packaging	Rod length
6 mm	reel	500 m
10 mm	reel	350 m
15 mm	reel	500 m
20 mm	reel	500 m
6 mm	foil bag	50 m
10 mm	foil bag	50 m
15 mm	foil bag	50 m
20 mm	foil bag	50 m

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At the time of publication of this product data sheet all previous ones become void.
Date of update: 2013-02-25