SEALING AND DECOUPLING MEMBRANE AE 100

> even layer thickness
> alkali-resistant
> sealing and decoupling
> waterproof and crack bridging

Product description

Waterproof, tension relieving, flexible, crack-bridging, alkali-resistant sealing and decoupling membrane for safe surface sealing in conjunction with tiles, boards and natural stone. Especially suited for rapid further processing, while at the same time guaranteeing an even layer thickness! For producing a compound seal inside and outside directly under the ceramic covering for the wall and floor area, showers, domestic baths, public as well as private balconies and terraces as well as in commercial kitchens.
According to ÖNORM B 3407 W1-W6, according to DIN 18534 for water impact class W0-I to W3-I (for W3-I without additional chemical load and only as special construction), according to DIN 18531-5 (balconies, loggias, etc.) and DIN 18535 (swimming pools and containers), as well as according to the test principles for issuance of a general building inspection test certificate.

Delivery format

Container	Outer packaging	Pallet
30 M2 / ROL	-	28 ROL

Storage
Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 0 days

Processing

Recommended tools
scissors, cutter knife, low-speed electric mixer, suitable mixing vessel, suitable notched trowel, brick trowel, sponge
Processing
Before laying, sealing and decoupling membrane AE 100 is cut to size with scissors or a cutter knife. Then use Murexin flexible adhesive mortar (C2, S1), e.g. Flex Adhesive Mortar MAXIMO M 41 with Murexin rapid flexible adhesive mortar (C2F, S1) or the 2 KS liquid film or Pro sealing film rapid Maximo PSM 1K and apply with a toothed trowel (3, 4 or 6 mm toothing, depending on the roughness of the substrate) to the substrate and place the cut sealing membrane in the still fresh

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adhesive mortar. Smooth the membrane with a smoothing trowel so that no air inclusions occur under the membrane.

When gluing the sealing membrane with adhesive mortar, place the individual membranes end to end. In the joint area, the membranes are to be subsequently processed with Murexin sealing tape. To do this, apply the 2 KS liquid film or Pro sealing film rapid Maximo PSM 1K, embed the sealing tape in the still fresh seal and smooth with the smoothing trowel, so that no cavities occur under the sealing tape. Another option is to overlap the lanes; here, the adhesive mortar is only to be used between the sealant membrane and the substrate (min. 5 cm) and to be sealed or glued with the 2 KS liquid film or Pro sealing film rapid Maximo PSM 1K.

When gluing the sealing membrane with 2 KS liquid film or Pro sealing film rapid Maximo PSM 1K, the individual membranes can be laid with an overlap of at least 5 cm. To do this, the 2KS liquid film or Pro sealing film rapid Maximo PSM 1K is to be applied to the substrate as well as to the planned overlap area.

For both variants (adhesive mortar or compound seal), a suitable Murexin sealing tape must be used in the niche areas, whereby the sealing tape inner and outer corners must first be embedded in the 2 KS liquid film or Pro sealing film rapid Maximo PSM 1K. Seal existing wall penetrations with Murexin sealing collar and floor drains with the gully seal in combination with the 2 KS liquid film or Pro sealing film rapid Maximo PSM 1K. The joint areas are to be overlapped by at least 5 cm.

Laying of tiles and boards in wall area is possible directly after completion of the sealing. In the floor area, approx. 2 hrs. are to be expected for the 2 KS liquid film to harden; with adhesive mortar or Pro sealing film rapid Maximo PSM 1K approx. 6 hrs., depending on full hardening, (rapid flexible adhesive mortar) or approx. 1 day (flexible adhesive mortar).

Technical data

Colour	yellow
Elongation at break	longitudinally 78 % and laterally 73 %
Temperature resistance	-30 °C to +90 °C
Material thickness	approx. 0.4 mm
Weight	approx. 260 g/m²
sd value (EN 1931)	> 50
Maximum tensile force	longitudinally 89 N / 15 mm and laterally 38 N / 15 mm
Burst pressure	2,8 bar
Adhesive tensile strength	> 0,4 N/mm²
UV-resistance	> 500 hrs

Test certificates

Tested in accordance with (standard, classification ...)
ÖNORM B 3407
DIN 18534
DIN 18531-5
DIN 18535

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Substrate

Suitable substrates
Concrete
Cement screed
Anhydrite screed
Mastic asphalt
Plaster
Lime-cement plaster
Masonry
Gypsum plasterboard, Gypsum plasterboard
Smooth concrete
Aerated concrete
Wooden materials

Suitable on all standard substrates as well as on old tile and natural stone coverings, adhesive concrete block coverings, mastic asphalt, dry screeds, chipboard, metal, glass etc. on old substrates with adhesive mortar layers, as well as on conventional cement and calcium sulphate screeds.

The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents and loose parts, and it must comply with the applicable technical national and European directives, standards and "generally accepted rules of the trade".

For a perfect system

Description
For Austria:
Liquid film 2 KS,
Pro sealing film rapid Maximo PSM 1K,
Special adhesive X-Bond MS-K88 express,
Sealing tape DB 70
as well as internal and external corners
Sealing collar DZ 35 and DZ 70
Gully sealing
Murexin flexible adhesive mortar (C2, S1) or
Rapid Flex adhesive mortar (C2F, S1)

For Germany:
Liquid film 2 KS,
Pro sealing film rapid Maximo PSM 1K,
Special adhesive X-Bond MS-K88 express,
Sealing tape Pro DB 60 or DB 100,
as well as internal and external corners
Sealing collar DZ 40 and DZ 80
Gully sealing
Refer to the currently valid test certificate for suitable adhesives!

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Product and processing instructions

Material information:
- When working outside the ideal temperature and/or humidity range, the material properties may change significantly.
- Temper materials accordingly before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or thinning specifications must be precisely kept!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The colouring is significantly influenced by the environmental conditions.

Environmental information:
- Do not process at temperatures below + 5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is between 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjoining components!

Tips:
- We recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.
Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt.
This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.

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