

weber.tec 826

Waterproofing and de-coupling membrane

For waterproofing and de-coupling tile coverings on balconies and terraces

Fields of application

For waterproofing and de-coupling substrates covered with tiles or slabs in new constructions and also in renovation works on balconies/terraces, but also for living and recreation rooms with traffic loads < 2 KN/m² and for works to be performed under time pressure.

The tile covering is de-coupled by the approx. 0.7 mm thick fleece layer.

Young cement screeds can be covered with ceramic tiles between the 3rd and 7th day following their application, when using **weber.tec 826**.

For use indoors and outdoors.

Description

weber.tec 826 is a waterproofing and de-coupling membrane.

Composition

Polyolefin membrane with double-sided polypropylene fleece lamination

Main features

- impact sound improvement up to 7 decibels
- impermeable to water
- alkali-resistant
- high water vapour tightness
- crack-bridging
- can be directly covered with tiles
- also suitable on heated screeds
- with official approval (Germany)
- for use indoors and outdoors

Technical values

Width	1 m
Thickness	1.0 mm
Weight	approx. 416 g/m ²
Diffusion equivalent air layer thickness for water vapour permeability (sd) (ISO 7783-2)	approx. 120 m

Quality control

weber.tec 826 is subject to a regular quality control by self-monitoring.

General notes

- For application as bonded waterproofing system comply with the national standards and/or guidelines, for ex. DIN 18531 "Waterproofing of roofs, balconies, loggias and arcades" and the leaflets of ZDB (Central Association of German Construction Industry); if not issued and if necessary, request technical advice.
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Special notes

- During the subsequent laying of tiles and slabs, avoid damage of the membrane.
 - When used on wooden floors (timber planks), an adequate ventilation under wooden structures must be provided.
 - In case of use on balconies and in wet-duty surfaces, the substrate must have a sufficient slope.
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Substrate

- Watertight glued chipboards, timber planks, old-bearing ceramic tiles, concrete, cement screeds, calcium sulphate screeds, mastic asphalt screeds are allowed substrates.
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Substrate preparation

- The substrate must be sufficiently solid, load-bearing, clean, dry, dimensionally stable, and free of all adhesion-impairing particles and substances.
 - Concrete substrates must be free of cement laitance.
 - Completely remove oil, grease, wax and care product residues.
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- Old or soiled mastic asphalt substrates must be mechanically roughened. Clean and sufficiently sanded-off with silica sand mastic asphalt screeds can be covered without primer; otherwise mastic asphalt screeds must be pre-treated with the bonding primer **weber.prim 803**.
- Remove chalking paints as well as solid lacquer and dispersion paints mechanically.
- Calcium sulphate screeds: grind, vacuum off dust and use the primer **weber.prim 801**.
- Uneven mineral substrates (indoors) must be levelled out beforehand with **weber.plan 813-25** (1 - 25 mm) or **813-40** (2 - 40 mm).
- Uneven mineral substrates (outdoors) must be levelled out beforehand with the quick-setting screed mortar **weber.plan 816** (30 - 80 mm) or the quick-setting levelling mortar **weber.plan 819** (5 - 30 mm).
- Uneven timber floors (indoors) must be levelled out beforehand with the smoothing mortar **weber.plan 813-25** (10 - 25 mm) or **813-40** (10 - 40 mm). Timber planks must not be springy and be well fixed to the wooden beams. If necessary, also fasten with suitable wood screws.
- Absorbent substrates: use the primer **weber.prim 801**.
- Non-absorbent, smooth substrates (for ex. old tiles): use the bonding primer **weber.prim 803**.
- **weber.prim 804** as 1-comp. quick-drying multi-use primer can also be used in both cases (absorbent and non-absorbent substrates).
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Bonding of waterproofing and de-coupling membrane

- We recommend to use the 2-comp. waterproofing, tile adhesive and de-coupling system **weber.xerm 844** or the temperature-independent setting flexible adhesive **weber.xerm 859 F**.
- Lay the membrane with the yellow side facing upwards (**weber.tec 826**) or with the grey side facing upwards (**weber.tec 826 "project"**).
- Glue the membrane under its fleece-coated side with one of the pre-said adhesives. Avoid air bubbles under the membrane; it must be glued full-surface with the tile adhesive.
- The membrane sheets must be laid with butt joints (without overlapping) on indoor floors; in case of balconies, they must be led up to the edge trim profile, by maintaining a distance of approx. 10 mm to adjacent building parts.
- Bond the perforated sealing tape **weber.tec 828 DG** (width 12 cm) with **weber.xerm 844** over the butt joints and coat over with the pre-said material.

Connection details

- **Edge trim profiles:** dowel the profiles (for ex. Watec Fin FA of the company Gutjahr) and coat over with **weber.xerm 859 F**. Guide **weber.tec 826** up to the edge trim profiles and glue with the pre-said tile adhesives (**weber.xerm 859 F** or **xerm 844**).
- **Zinc or copper gutter suspension plates:** degrease with the thinner **weber.sys 992**; embed overleaf in the flexible waterproofing EP resin (trowel-grade) **weber.tec 827 S**, additionally dowel and screw. Scatter the oven-dried silica sand **weber.sys Hartquarzmaterial** (0.7 -1.2 mm) over the fresh resin layer up to saturation. After curing vacuum off any loose sand and install **weber.tec 826** on the suspension plates and bond with the pre-said tile adhesives.
- **Wall connection joints:** glue the perforated sealing tape **weber.tec 828 DB G** with **weber.xerm 859 F** and coat over its both sides with the pre-said tile adhesives.
- **Movement joints:** glue the perforated sealing tape **weber.tec 828 DB 75** with **weber.xerm 859 F** onto the membrane; in case of movements of building parts lay the sealing tape in loop form over the joints to be in line with the expected movements.
- **Floor drains with extension element and loose/fixed flange construction (thin-bed floor drain):** bond **weber.tec 826**** with **weber.xerm 859 F** in the fixed flange area. Screw the loose flange onto the membrane.
- **weber.xerm 844** must be used for the above-mentioned waterproofing works as well as for the coating of all cut edges.

Fixing and grouting of ceramic tiles

- Fix the ceramic tiles hollow-free with **weber.xerm 844** or **xerm 859 F**; for this purpose apply the tile adhesive in the buttering-floating method, i.e on the membrane and also to the backside of tiles in order to achieve the best possible full-surface bonding.
- For load distribution, lay tiles with a minimum size of 15 x 15 cm and a maximal size of 30 x 60 cm on exterior substrates. Tiles of larger sizes can be fixed on interior surfaces.
- Select an adequate tile thickness and lay the ceramic coverings with cross joints (and not in a half-offset pattern).
- Existing movement joints must be taken over within the membrane and the ceramic covering at the same places and with similar dimensions.
- After full hardening of the adhesive (at least 3 hours) fill the joints with the grout **weber.fug 875 F** (ceramic and natural stone grout with crystal effect) or **fug 877** (flexible grout).

Practical information

Colour:

weber.tec 826: yellow (upper side), grey (lower side)

weber.tec 825 "project": grey (upper side), black (lower side)

Technical Data Sheet



Consumption:

1.05 m²/m²

Tools:

Scissors, smoothing trowel, notched trowel, roller.

Storage:

The product can be stored at least 24 months in its original unopened packaging, if kept indoors, protected from sunlight and in upright position.

Packagings

Type	Sales unit	Number / euro-pallet
Roll weber.tec 826	15 m ² (15 x 1 m)	35 rolls
Roll weber.tec 826 "project"	30 m ² (30 x 1 m)	18 rolls

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.