

weber.tec 825

Waterproofing foil and water vapour barrier

Vapour barrier and waterproofing foil for bonded waterproofing under ceramic coverings

Fields of application

For waterproofing of walls and floors in showers, bathrooms and wet-duty rooms with normal household use, especially for all works to be performed under time pressure.

Also for waterproofing of walls and floors with supplementary chemical spillage.

weber.tec 825 meets the requirements of DIN 18534-5 for water load classes W0-I, W1-I and W2-I as described hereafter:

Low water load (W0-I): walls of domestic bathrooms beyond shower areas / walls of domestic kitchens / floors of domestic rooms without drain, for ex. in kitchens, utility rooms, guest toilets in case of moisture-sensitive substrates.

Moderate water load (W1-I): walls of domestic bathrooms above bathtubs and in showers / floors of domestic bathrooms without or with drain without high water load from the shower area / floors of domestic rooms with drain in case of moisture sensitive substrates.

High water load (W2-I): walls of showers in sports facilities and industrial premises / walls and floors in sports facilities and industrial premises / floors with drains or gutters and flush-floor showers in case of moisture-resistant substrates.

Also convenient for walls and floors subject to chemical spillage (oils, fats, cleaning agents etc.), like in commercial kitchens, laundries and breweries.

In addition, the product can also be used as a water vapour barrier in areas with high and frequent water vapour accumulation, e.g in saunas.

For use indoors.

Description

weber.tec 825 is a waterproofing and damp-proofing foil.

Composition

Polyolefin foil with double-sided polypropylene fleece lamination

Main features

- **EMICODE EC 1 PLUS**: very low emission of organic volatile substances
- impermeable to water

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- crack-bridging
- quick and problem-free application
- crack-bridging
- alkali-resistant
- with official approval (Germany)
- for use indoors

Technical values

Weight	240 g/m ²
Thickness	0.5 mm
Width	1 m
Diffusion equivalent air layer thickness for water vapour permeability (s _d) (ISO 7783-2)	60 meters

Quality control

weber.tec 825 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 18534-5 "Bonded waterproofing under tiles and slabs with membranes for interior use" and the leaflets of ZDB (Central Association of German Construction Industry); if not issued and if requested, request technical advice.
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Special notes

- **Limits of use:** do not use **weber.tec 825** outdoors, in swimming pools, in areas subject to permanent water load and in "flush-floor showers"; in these cases we recommend the 2-comp. reactive waterproofing slurry **weber.tec Superflex D 2** or the 2-comp. waterproofing, tile adhesive and de-coupling system **weber.xerm 844**.
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Substrates

- 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 laitance.
- Carefully remove oil, grease, wax and care product residues.
- Remove chalking paints as well as solid lacquer and dispersion paints mechanically.
- 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).
- Old or soiled mastic asphalt substrates must be mechanically roughened. Clean and sufficiently sanded-off with silica sand asphalt screeds can be covered without primer; otherwise asphalt screeds must be pre-treated with the bonding primer **weber.prim 803**.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Bonding of foil

- Comb the temperature-independent setting flexible adhesive **weber.xerm 859 F** with a 4 mm-notched trowel on the substrate, place the previously cut sheets of the foil into the fresh adhesive bed, press down with a flat trowel and brush off.
- The foil must be glued tightly on the entire surface; avoid air bubbles under the foil. Glue the individual sheets with an overlapping of 5 cm each.
- As time-saving method apply the 1-comp. flexible cement-based waterproofing slurry & adhesive for waterproofing foils **weber.tec 824** in a uniform layer, by using a roller. Lay **weber.tec 825** before a skin starts to form on the contact layer.
- In case of water load W3-I with additional chemical spillage: the foil must be laid with butt joints (without overlapping). Glue the perforated joint sealing tape **weber.tec 828 DB G** over the butt joints with the flexible waterproofing EP resin **weber.tec 827** (self-spreading).

Bonding of sealing tapes

- **Water load W1-I:** for movement joints and in all corner connections (wall/wall or wall/floor), glue the joint sealing tape **weber.tec 828** onto the substrate or the foil with **weber.xerm 859 F**.

- **Water load W2-I:** for movement joints and in all corner connections (wall/wall or wall/floor), glue the perforated joint sealing tape **weber.tec 828 DB G** and the prefabricated inner corners **weber.tec 825 DI** and/or outer corners **weber.tec 825 DA** onto the substrate or the foil with **weber.tec 824**.
- **Water load W3-I:** for movement joints and in all corner connections (wall/wall or wall/floor), glue the perforated joint sealing tape **weber.tec 828 DB G** onto the substrate or the foil with **weber.tec 824** or **weber.xerm 844**.

Floor drains and pipe penetrations

- **Water loads W1-I and W2-I:** for floor drains with extension element and loose / fixed flange construction (thin-bed floor drain) cut the foil **weber.tec 825** into sleeves with suitable dimensions for the pipe penetrations. Glue the sleeves with **weber.xerm 844** in the area of fixed flange, screw on loose flange and cover with the same material. Seal the pipe penetrations with the perforated sleeve with expansion zone **weber.tec 828 MDK G** and glue with **weber.tec 824**.
- **Water load W3-I:** for floor drains with extension element and loose/fixed flange construction (thin-bed floor drain) cut the foil **weber.tec 825** into sleeves with suitable dimensions for the pipe penetrations. Glue the sleeves with **weber.xerm 844** in the area of the fixed flange, screw on loose flange and cover with the same material. Seal the pipe penetrations with the perforated sleeve with expansion zone **weber.tec 828 MDK G** and glue with **weber.xerm 844**.
- For waterproofing pipe penetrations, e.g shower fittings, we recommend to use **weber.tec 824**.
- In all cases with additional chemical spillage only use the flexible waterproofing epoxy resins **weber.tec 827** (floors) or **tec 827 S** (walls).

Fixing and grouting of ceramic tiles

- During the subsequent fixing of ceramic tiles and slabs, avoid any damage to the foil.
- Fix the ceramic coverings on top of the foil, using **weber.xerm 859 F**.
- After 3 hours at the earliest use the cement-based grout **weber.fug 873** (high-strength grout), **fug 875 F** (ceramic and natural stone grout with crystal effect) or **fug 877** (flexible grout); use the 2-comp EP resin adhesive and grout **weber.epox design** in case of chemical spillage (commercial kitchens, laundries and breweries etc.).

Practical information:

Colours:

weber.tec 825: yellow

weber.tec 825 "project": grey

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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 Remarks
Roll weber.tec 825	30 m ² (30 x 1 m)	35 rolls
Roll weber.tec 825 "project"	50 m ² (50 x 1 m)	24 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.