

## weber.tec 822

### Liquid waterproofing foil

**Ready-to-use, highly elastic, liquid and normal-setting membrane for bonded waterproofing under tiles and slabs on floors and walls**

#### Fields of application

**weber.tec 822** is a one-component, flexible, liquid, dispersion-based and seamless waterproofing system under ceramic tiles in damp areas and wet-duty room areas. It protects moisture-sensitive substrates, such as gypsum plasters, gypsum fibre-boards and calcium sulphate screeds from moisture penetration.

Also for use on concrete, cement screeds, cement renders, mineral patching mortars and old ceramic tiles.

Ideally suited for waterproofing works on wall and floor surfaces in bathrooms, shower areas, and other wet-duty rooms subject to the water load classes W0-I, W1-I and W2-I (only walls) as described hereafter according to DIN 18534-3.

**Low water load (W0-I):**

walls of domestic bathrooms beyond shower areas / walls of domestic kitchens / floors of domestic rooms without drain e.g. in kitchens, utility rooms, guest toilets.

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

**High water load (W2-I):**

walls of showers in sports facilities and industrial premises / walls in sports facilities and industrial premises.

For indoors.

#### Description

weber.tec 822 is a factory-mixed, one-component, flexible liquid waterproofing foil. With official approval (Germany).

#### Composition

Plastic dispersion, selected additives

## Main features

- **EMICODE EC 1:** low emission of volatile substances
- certified by Det Norske Veritas for use on American cruise liners
- ready-to-use
- short drying time
- crack-bridging
- can be applied by brush or roller
- highly elastic (elongation at break approx. 310 %)

## Technical values

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Application temperature:	+5°C - +30°C
Density:	approx. 1.6 kg/dm <sup>3</sup>
Ready for covering:	after complete drying (approx. 24 hours)

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## Quality control

weber.tec 822 is subject to a regular quality control by self-monitoring.

## General notes

- All characteristics mentioned in this data sheet are based on a temperature of +23°C without draught and a relative humidity rate of 50%.
- Higher temperatures and lower humidity accelerate, lower temperatures and higher humidity delay the drying process.
- For application as bonded waterproofing system follow the national standards/guidelines; if not issued and if necessary, refer to DIN 18534-3 "Bonded waterproofing under tiles and slabs with liquid compounds for interior use", DIN 18195 "Waterproofing of buildings" and the leaflets of ZDB (Central Association of the German Construction Industry).
- Shear forces should not be transferred to the waterproofing layer.
- Existing structural joints must be covered with the sealing tape weber.tec 828 DB 75 or DB 150 and incorporated into the tile covering in a congruent manner.

- During installation of ceramic coverings or natural stones, avoid damage to the waterproofing layer.

## Special notes

- **Limits of use:** do not use outdoors, in swimming pools, in areas subject to permanent water load, on floors in case of high water load (W2-I) and in "flush-floor showers"; in these cases we recommend the 2-component quick- and reactive-setting waterproofing compounds weber.tec Superflex D 2 or weber.xerm 844. Do not use on walls/floors in cases W1-I and W2-I with supplementary chemical spillage, for ex. in commercial kitchens, laundries and breweries; in these cases we recommend the 2-component solvent-free epoxy resins weber.tec 827 (floors) or tec 827 S (walls). If in doubt, request technical advice.
- Earth-contacting areas must be waterproofed against uprising damp.
- Connections with metal surfaces must be waterproofed with weber.tec 827 S.
- For use on wooden substrates (timber planks), we recommend using an impact acoustic and de-coupling system, such as the boards weber.sys 832 bonded with the quick-setting flexible tile adhesive weber.xerm 843 F.
- A declaration of conformity for marine applications can be found at: <https://sg-weber.de/marine>

## Substrate preparation

- The substrate must meet the requirements of national standards; if not issued and if necessary, refer to DIN 18157 "Execution of tilings and coverings by thin-bed method with cement-based mortars".
- The substrate must be sufficiently solid, load-bearing, clean, dry, dimensionally stable and free from adhesion-impairing substances.
- Concrete substrates must be free of cement laitance.
- Remove oil, grease, wax and care product residues completely.
- Gypsum-containing plasters, gypsum plasterboards, etc. must be roughened mechanically, if necessary.
- Absorbent substrates: use the alkali-resistant primer weber.prim 801.
- Non-absorbent, smooth substrates (indoors): use the bonding primer weber.prim 803.

- weber.prim 804 as fast multi-use primer can also be used of absorbent and non-absorbent substrates.
- The substrate preparation must be adapted to the specific job site conditions.

## Working instructions

- Stir thoroughly prior to use and do not dilute with water.
- The material is applied with a short-bristle brush or lambskin roller or flat trowel.
- Start the waterproofing works by installing all necessary weber.tec 828 accessories.
- Apply a first coat of weber.tec 822 on the substrate in the specific areas, like corners, pipe ducts, connection joints, butt joints and movement joints (wall/wall and wall/floor) as well as in areas with material transitions.
- All required weber.tec 828 components are pressed into the fresh coat. After drying their sides are coated over with a second coat of weber.tec 822. This coat is applied approx. 1 cm over the fleece-free zone.
- When using the prefabricated inner corners weber.tec 828 DI and/or outer corners weber.tec 828 DA, first these elements must be installed into the waterproofing layer. Afterwards the sealing tape weber.tec 828 DB 75 or DB 150 is embedded with an overlap of  $\geq 5$  cm over the prefabricated corner pieces in the butt area.
- For waterproofing sanitary pipe ducts use the prefabricated pipe sleeves weber.tec 828 MDK, MDM or MD according to the required opening. The expansion zone of the sleeves has a pre-punched hole which can be enlarged up to the required dimension. Glue the sleeves onto the substrate with weber.tec 822.
- After completion of all preliminary waterproofing works apply 2 full-surface coats of weber.tec 822 at a rate of approx.  $0.6 \text{ kg/m}^2$  each; allow each coat to dry: approx. 2 - 4 hours.
- **The total dry thickness of both coats must be at least 0.5 mm.**
- The 2 coats can be applied in different colours, i.e. 1<sup>st</sup> coat (old pink), 2<sup>nd</sup> coat (grey), in order to better control the execution.
- When not thoroughly dry, protect the waterproofing layers against moisture load.
- Clean tools with water (fresh product) immediately after use. Hardened material must be removed mechanically.

## Practical information

Colours:

grey, old pink

Application thickness:

minimum 0.5 mm

Tools:

Scissors, short-bristle brush, lambskin roller, flat trowel

Storage:

The product can be stored at least 12 months in its original unopened packaging, if kept dry, cool and frost-free. Frost destroys the product. After thawing it is not allowed to use it.

## Consumption / yield

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for total dry film thickness of 0.5 mm    approx. 1.2 kg/m<sup>2</sup>

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## Packagings

Type	Sales unit	Number / euro- pallet	Remarks
Plastic bucket	4 kg	120 buckets	grey, old pink
Plastic bucket	8 kg	60 buckets	grey, old pink
Plastic bucket	24 kg	24 buckets	grey, old pink