

# weber.tec 822 (Superflex® 1)

Flexible, normal-setting liquid waterproofing membrane.  
For wet-duty rooms and balconies

With official test certificates and approval as waterproofing system under tiles (FRG)

## Description

weber.tec 822 (SUPERFLEX 1) is a ready-to-use, liquid waterproofing. After curing it provides a waterproof layer in wet-duty rooms or on balconies.

Main features:

- Ready-to-use
- Waterproof
- Easy application
- Can be applied by roller
- Smooth area for direct tile fixing
- Highly elastic (elongation at break approx. 310 %)
- With approval for the application field A1 (walls in public wet-duty areas buildings)
- Fulfills the requirements of the *German ZDB specifications* "Instructions for the execution of waterproofing under tiles and panels for interior and exterior areas" (version January 2005) for the application fields 0, A01 and A02.

## Product data

Base	synthetic dispersion
Consistency	semi-liquid
Colours	light grey, old pink
Density	approx. 1.6 kg/dm <sup>3</sup>
Application	roller or brush
Consumption	approx. 1.2 kg/m <sup>2</sup> *
Drying time	approx. 10 - 15 hours at + 20°C
Number of coats	2-3
Open to pedestrian traffic	approx. 10 - 12 hours
Can be covered with tiles	approx. 24 hours at + 20°C and 50 % r.h.
Application temperature	above + 5 °C (air and substrate)
Clean-up	water (fresh product)

\*Minimum consumption for approx. 0.5 mm dry thickness. It depends on the substrate and the consumption might be different.

## Range of application

weber.tec 822 (SUPERFLEX 1) is suitable :

- as seamless and jointless waterproofing of wet-duty rooms, where a high amount of watertightness is necessary, e.g. such as showers, bathrooms, toilets, laundries, etc
- for waterproofing down-grade floor screeds on terraces and balconies in case of subsequent tiling according to the thin- or thick-bed method.

### Limit of use

weber.tec 822 (SUPERFLEX 1) is neither suitable for swimming pools nor for areas which are permanently under water.

weber.tec 822 (SUPERFLEX 1) is not suitable for direct use. A ceramic covering is to be laid subsequently on the top of weber.tec 822 (SUPERFLEX 1).

The waterproofing layer must not be subjected to shear force.

## Working instructions

### Preparation of substrates

Suitable substrates include all mineral substrates, wall building materials containing gypsum (gypsum plaster, gypsum fibre boards, paper-backed gypsum boards) and heated screeds, as well as old ceramic coverings (indoors or outdoors, glazed or unglazed tiles).

The substrate must be dimensionally stable, dry, free from dirt, dust, oil, grease and loose parts.

Ground-contacting surfaces must be damp-proofed to prevent uprising dampness. Floor areas which are in contact with water, must be built with a slope of at least 2%.

For porous substrates with many honeycombs a filling coat for ex. with the tile adhesive weber.xerm 858 (DEITERMANN KM Flex) or weber.xerm 853 F (DEITERMANN KM Flex + Fix) is necessary.

Machine-produced gypsum plaster and gypsum planking should be mechanically roughened before using the primer weber.prim 801 (EUROLAN TG 2).

Paper-backed gypsum boards: use the primer weber.prim 801 (EUROLAN TG 2).

Mineral substrates, gypsum-based substrates, highly absorbent, sandy mineral and anhydrite substrates: use the primer weber.prim 801 (EUROLAN TG 2).

Old ceramic tiles (indoors or outdoors, glazed or unglazed) should be appropriately cleaned and then primed with weber.prim 803 (EUROLAN TG 5).

### Application

First execute any detailed work such as bonding the sealing tapes weber.tec 828 DB 75 (SUPERFLEX AB 75) or weber.tec 828 DB 150 (SUPERFLEX AB 150) or the lip-seal weber.tec 828 MA (SUPERFLEX MA 2 with weber.tec 822 (SUPERFLEX 1).

Once this preliminary work has been completed, and after drying of weber.prim 801 (EUROLAN TG 2) or weber.prim 803 (EUROLAN TG 5) the wall and the floor areas can be waterproofed with weber.tec 822 (SUPERFLEX 1).

weber.tec 822 (SUPERFLEX 1) is applied in a first undiluted coat with a lambs wool roller or a brush. After complete drying a second undiluted coat is necessary. Should an even surface be required for the tiling of mosaics, 3 coats of weber.tec 822 (SUPERFLEX 1) are necessary.

The different applications should be done in two different colours, for ex. 1st application in old pink, 2nd application in grey.

If the coat of weber.tec 822 (SUPERFLEX 1) is not completely dry, it should be protected against humidity.

An early skin formation must be expected at ambient temperatures above + 20 °C.

After 24 hours, ceramic tiles can be fixed on the dry waterproofing layer weber.tec 822 (SUPERFLEX 1), using the flexible cement-based tile adhesive weber.xerm 858 (DEITERMANN KM Flex) or weber.xerm 853 F (KM Flex + Fix).

## Chipboards

We recommend the fixing of the acoustic membrane weber.sys 831 (MONTAPANEEL SDS) which is glued with weber.xerm 843 (PLASTIKOL F 1).

weber.tec 822 (SUPERFLEX 1) can be applied directly onto the top of the acoustic membrane.

## Metal substrates

Remove oil and grease with weber.sys 992 (Thinner AX).

Cover the metal surfaces with the epoxy resin weber.tec 827 S (SUPERFLEX 40 S) in order to prevent corrosion. Scatter kiln-dried silica sand (hard quartz material, grain size 0.7 - 1.2 mm) on the fresh coat. After drying, remove the excess unbounded sand and apply weber.tec 822 (SUPERFLEX 1).

## Consumption

Minimum consumption is 1.2 kg/m<sup>2</sup>.

Rough surfaces will increase the consumption.

## Delivery and storage

weber.tec 822 (SUPERFLEX 1) is supplied in the colours in light grey in 4 kg, 8 kg, 24 kg containers and drum in light grey and in old pink in 24 kg containers (net weights). The product can be stored dry, frost-free and in its original sealed packaging for at least 12 months.

## Notes

The correct and hence successful application of our products is not within our control. A guarantee can therefore only be accepted for the quality of our products within the framework of our sale and supply conditions but not for their successful use.

Observe the safety precautions for protection of health and prevention of accidents given in the safety data sheet and on the label of the packaging.

This data sheet supersedes all earlier technical data on this product.

Information supplied by our employees and/or distributors going beyond the information contained in this data sheet, must be confirmed in writing.

We reserve the right to make changes representing technical progress.



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