

weber.prim 805

Liquid vapour barrier

High-performance and ready-to-use water vapour barrier

Fields of application

weber.prim 805 is a liquid, ready-to-use plastic dispersion which achieves a high water vapour barrier effect after drying. Its dry film prevents or reduces the penetration of water vapour into the building parts to be protected. In addition, it also performs a high gas impermeability of surfaces and joints, which is often required for such works.

For use on following substrates: concrete, screed, smoothed gypsum plasters, highly hydraulic lime and cement mortars, wooden substrates. The combination of weber.prim 805 with the liquid waterproofing foil weber.tec 822 and the corresponding sealing tape system weber.tec 828 offers a safe solution to the problem. The vapour barrier can be covered with ceramic tiles, paint or wallpaper.

For indoors.

Description

weber.prim 805 is a 1-component, roll-grade vapour barrier.

Composition

Plastic dispersion

Main features

- for substrates of all forms
- for almost all substrates
- ready-to-use
- viscoplastic
- high diffusion resistance to water vapour
- resistant to permanent moisture
- solvent-free
- easy application
- low layer thickness

Technical values

Drying time:	approx. 24 hours per coat at +20°C
Dry residue:	approx. 45%
Application temperature:	+5°C - +40°C
Water vapour diffusion resistance coefficient (μ):	400.000
Diffusion-equivalent air layer thickness:	approx. 80 m (achieved with a consumption \geq 550g/m ²)
Density:	approx. 1.2 kg/l

Quality control

weber.prim 805 is subject to a regular quality control by self-monitoring.

General notes

- All properties 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.
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Special notes

- According to the principles of building physics, a vapour barrier, e.g. weber.prim 805, should be installed, whenever during a dew period (condensation period) more water accumulates inside a building component than can be released back into the environment during the evaporation period (drying).
- Moisture-sensitive building materials should always be protected with a vapour barrier against harmful moisture absorption.
- Do not expose to direct or indirect sunlight.

Substrate preparation

- The substrate must be sufficiently load-bearing, clean, dry, dimensionally stable and free of adhesion-impairing substances.
- Remove loose or flaking mortar and paint residues.
- In case of blowholes, holes and other imperfections level out with the quick-setting levelling and repair mortar weber.plan 818, in order to obtain a pore-free priming coat.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Preliminary works

- Depending on the substrate, use a specific primer in accordance with the substrate.
- Mineral substrates: use the water-born primer weber.prim 801.
- Wooden substrates: use the epoxy primer weber.prim 807.
- For the vapour-tight formation of transitions between different building parts or materials, glue the sealing tape weber.tec 828 with the waterproofing compound weber.tec 822 on the primed substrate.
- After drying (approx. 24 hours) apply the liquid waterproofing foil weber.tec 822 full-surface as contact layer.

Application as vapour barrier

- Apply a 1st coat of weber.prim 805 at a rate of 150 - 200 g/m², using a paint brush or a lambskin roller.
- After thorough drying (approx. 24 hours) apply a 2nd coat of approx. 150 - 200 g/m².
- If required for reasons of building physics, apply a 3rd and 4th coat of approx. 150 - 200 g/m² until a total minimum consumption of 550 g/m² is reached.
- In damp and wet-duty rooms, the liquid waterproofing foil weber.tec 822 must be applied full-surface on the dried layers of the vapour barrier.
- Whenever no waterproofing is required, apply a contact layer of weber.tec 822 at a rate of approx. 400 g/m² before laying ceramic coverings.
- For colour design, weber.prim 805 can also be directly coated with the coloured elastic coating weber.tec 772 (white, light grey and dark grey).
- Clean tools with water (fresh product). Hardened material can only be removed with the thinner weber.sys 992.

Practical information

Colours:
light blue

Tools:
Paint brush, lambskin roller

Storage:
The product can be stored at least 6 months in its original unopened packaging, if kept cool and frost-free. Frost will destroy the product. After thawing it is not allowed to use it

Consumption

at least 550 g/m², whereby several layers are necessary

Packagings

Type	Sales unit	Number / euro-pallet
Plastic can	6 kg	90 cans

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.