

weber.tec 901

Bitumen primer & protective paint

Highly concentrated, solvent-free and multi-use bitumen emulsion

Fields of application

As primer for all **Weber** bitumen waterproofing thick-layer coatings (PMBC – polymer-modified thick bitumen coatings) like weber.tec 915, 922, Superflex 10, Superflex 100 S, Superflex 2 K and weber Bitumenabdichtung, and the bitumen adhesive for insulation boards weber Plattenkleber 2 K. As watertight and protective coat on concrete, masonry, render, steel and bitumen roofing felts. As coating on external earth-contacting basement walls in areas with aggressive ground water. As primer on trapezoidal corrugated metal sheets.

Also as additive for watertight bitumen masonry mortars for earth-contacting structures and for shaft sinking applications.

For use outdoors.

Description

weber.tec 901 is a solvent-free bitumen emulsion.

Composition

Bitumen emulsion

Main features

- solvent-free
- high bitumen content
- resistant to many acids and lyes
- highly alkali-resistant
- also suitable for slightly moist substrates

Technical values

Application temperature:	$\geq 4^{\circ}\text{C}$
Density:	approx. 1.1 kg/dm^3

Quality control

weber.tec 901 is subject to a regular quality control.

General notes

- Higher temperatures and lower humidity accelerate, whilst lower temperatures and higher humidity rates delay drying.
- Roof surfaces must have a minimum slope of 5%.
- Bond protection or insulation boards and fill the excavation pit only after the material has completely dried.
- When used as additive for masonry mortars, prevent from strong sunlight and avoid dry substrates.
- Non-ferrous metals (e.g aluminum, copper and zinc) are not suitable as substrates.
- For cellular concrete use the all-purpose primer weber.prim 900 prior to application of bitumen waterproofing thick-layer coatings.

Substrate preparation

- The substrate must be dry or slightly damp and frost-free.
- The masonry must be fully jointed.
- Absorbent substrates must receive a priming (diluted) coat.
- Remove all water-repellent and adhesion-impairing particles and substances.
- Apply weber.tec 901 first as priming coat on absorbent surfaces.
- Deburr concrete surfaces; if necessary, fill or level with a suitable mortar.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

- For hand application use the appropriate tool (block brush, roofer's brush, deck brush or roller); for spray application add 10 - 20% of water.
- For spray application dilute weber.tec 901 with 10%-20% of water.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

As primer for bitumen waterproofing thick-layer coating

- Dilute weber.tec 901 with water in a ratio of 1 : 10 parts by volume.
- Apply on the clean and prepared substrate.

As primer

- Depending on the substrate porosity and application, the product can be diluted with approx. 30% - 70% water.

As watertight coating for mineral substrates

- After the priming coat has dried, 1 - 2 undiluted topcoats are required.

As primer for bitumen roofing felts

- Apply as priming coat consisting of 1 volume bitumen emulsion and 1 - 3 volumes water.

As primer for corrugated metal sheets

- Apply as priming coat consisting of 1 volume bitumen emulsion and 1 - 3 volumes water.

Additive for bitumen masonry mortars

- Watertight bitumen masonry mortar are often requested for earth-contacting and for shaft sinking applications.
- Smooth cement-based surfaces should either be roughened or chipped off; mix 1 volume cement 2.5 volumes sand (0 - 4 mm) with the gauging water mixed with 10 - 20% bitumen emulsion.

Practical information

Tools:

Block brush, roofer's brush, deck brush, roller, spraying device

Storage:

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

Consumption

As protective coat with 2 applications:	approx. 450 ml/m ²
As primer for bitumen thick coatings:	approx. 15 - 30 ml/m ²
As additive for watertight masonry mortar:	approx. 20 - 40 liters per m ³ mortar

Packagings

Type	Sales unit	Number /euro-pallet
Plastic bucket	5 liters	96 buckets
Plastic bucket	10 liters	60 buckets
Plastic bucket	30 liters	18 buckets

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.