Technical Datasheet

weber.floor 4716

Bonding primer

Versatile and water-borne primer dispersion for use with all Weber mineral floor systems indoors

Fields of application

weber.floor 4716 can be used on almost all new and old surfaces in residential, commercial and industrial buildings. It is a universal system component for all mineral **weber.floor** products, i.e. thin screeds, smoothing mortars and self-levelling underlay mortars. It regulates the porosity of substrate, reduces the formation of pinholes and ensures an optimal bonding.

Description

weber.floor 4716 is a one-component water-borne styrene acrylic primer.

Main features

- **EMICODE EC 1 PLUS**: extremely low emission of volatile substances
- multi-use
- one-component
- very high bonding strength
- alkaline-resistant
- fast-drying
- high yield
- to be diluted with water
- solvent-free

Technical values

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Drying time:	> 2 hours
Application temperature (air):	+5°C - +30°C
Application temperature (substrate):	+10°C - +30°C
Max. delay for over-working:	< 48 hours

Quality control

weber.floor 4716 is subject to a regular quality control by self-monitoring.

General notes

- After use opened packages should be closed air-tight and re-used as soon as possible.
- Material is sensitive to freezing.

Special notes

- In case of highly absorbent substrates a second application is always required. This is the case when the applied material is completely absorbed by the substrate within a short time.
- Relative humidity rate during drying: max. 75 %
- During application and directly thereafter, ensure a good ventilation, i.e. a high air exchange rate, in order to obtain an optimal drying.
- Application with roller might leave pinholes; therefore, it is recommended to use a soft broom.

Substrates

- Concrete, cement screeds, anhydrite screeds, magnesia screeds, timber planks, well sanded-off poured asphalt, ceramic tiles, old sanded-off epoxy resin coatings are allowed substrates.
- Other substrates must be examined case-by-case.

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Substrate preparation

- The substrate must be solid, load-bearing, dry, and free of dust and all adhesion-impairing impurities.
- Glazed ceramic tiles and timber planks must be roughened with fine sand paper.
- The tensile strength (pull-off strength) of substrate must be ≥ 1.5 N/mm² in case of industrial floors and ≥ 1 N/mm² in case of residential and commercial floors.
- In case of capillary rising damp or vapor pressure through the substrate, apply 2 coats of epoxy resin as vapour-barrier, e.g. weber.floor 4710 or 4712 (low emission EC 1) directly onto the concrete substrate with scattering of silica sand over the fresh second coat.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Mixing

- The concentrated material is diluted with tap water in the specified ratio depending upon the substrate while being stirred with an electric drill and a steel stirrer, so as to obtain a ready-to-use material.
- **Cement screeds / concrete**: 2 x 1 : 3 (1 liter primer and 3 liters water) in case of uncovered industrial floor underlays (direct use) or 1 : 3 in case of smoothing mortars and levelling mortars (with final floor covering on top).
- **Calcium sulphate screeds**: 1 : 1 in case of cement-based smoothing mortars and levelling mortars up to 10 mm or 1 : 1 in case of calcium sulphate smoothing mortars and levelling mortars
- **Timber planks, ceramic tiles, well sanded-off poured asphalt: 1** 1 in case of smoothing mortars and levelling mortars.

Application

- The diluted primer is distributed uniformly and intensively brushed with a soft broom onto the substrate.
- Strictly avoid formation of puddles (accumulation of material).
- The primer must be stirred again shortly after extended work breaks.
- Clean equipment with water each time work is interrupted (fresh product). Hardened material can only be removed mechanically.
- As soon as the whitish primer turns to transparent, the next operation works with smoothing or levelling mortars can start.

Practical information

Colour:
transparent

Tools:
Electric drill + stirrer, soft broom

Storage:
The product can be stored at least 12 months in its original unopened packaging, if kept dry, protected from moisture and direct sunlight, frost-free and at temperatures between +10°C and +30°C. Frost will destroy the product. After thawing it is not allowed to be used.

Consumption

diluted material per operation, according to substrate porosity	> 0.2 - < 0.4 l/m²

Packagings

Type	Sales unit	Number / euro-pallet
Plastic bottle	1 liter	288 bottles
Plastic can	5 liters	90 cans
Plastic can	10 liters	60 cans
Plastic can	30 liters	16 cans

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