

weber.floor 4716

Acrylic bonding primer

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

Fields of application

For use on almost all new and old surfaces in residential, commercial and industrial constructions. It is a universal system component for all mineral **weber.floor** products, i.e thin-layer screeds, smoothing mortars and self-levelling underlay mortars.

It regulates the substrate porosity, reduces the formation of pinholes and ensures an optimal bonding.

For use indoors.

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 effect
- alkaline-resistant
- quick-drying
- high yield
- to be diluted with water
- solvent-free

Technical values

| | |
|--------------------------------------|-------------|
| 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

- Comply with the national standards and/or guidelines relating to levelling works of floors. If not issued and if necessary, request technical advice.
 - Protect freshly applied primer from dirt and moisture.
 - After use opened packages should be closed air-tight and re-used as soon as possible.
 - The product is frost-sensitive.
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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, weber.floor 4716 must be applied with a soft broom.
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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 load-bearing, dimensionally stable, dry, and free of dust and all adhesion-impairing substances.
- Glazed ceramic tiles and timber planks must be roughened with fine sand paper.
- The pull-off strength of substrate must be $\geq 1.5 \text{ N/mm}^2$ in case of industrial floors and $\geq 1 \text{ N/mm}^2$ in case of residential and commercial floors.
- In case of capillary rising damp or water vapor pressure through the substrate, apply 2 coats of epoxy resin as vapour-barrier, e.g. weber.floor 4710 or weber.floor 4712 (EC 1 - very low emission) 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 primer 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: 1 : 3 (1 liter primer and 3 liters water) in case of uncovered industrial levelling compounds (with direct use as top wear layer) and also in case of smoothing mortars and levelling underlay mortars (with final floor covering on top).
- Calcium sulphate screeds: 1 : 1 in case of cement-based smoothing mortars and levelling underlay mortars up to 10 mm thickness and also 1 : 1 in case of calcium sulphate smoothing mortars and levelling underlay mortars
- Timber planks / ceramic tiles / well sanded-off poured asphalt: 1 : 1 in case of smoothing mortars and levelling underlay mortars.

Application

- The primer must be applied in at least one operation. In case of highly porous substrates it must be applied twice.
- 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, frost-free, and protected from moisture and direct sunlight. Frost will destroy the product. After thawing it is not allowed to be used.

Consumption

diluted material per operation, according to substrate porosity $> 0.2 - < 0.4 \text{ l/m}^2$

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 |

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.