



weberfloor 110 Fine

- Pumpable – fast and more ergonomical application
- Excellent spreading and smoothing characteristics
- Smooth and strong finish ideal for receiving a range of final floor coverings
- Low emissions
- EPD-Verified
- Indoor Air Comfort GOLD-Verified
- Normal drying

About this product

Weberfloor 110 Fine is a pumpable normal drying thin topping screeds for floor. It is based on binders, fillers and additives. The product is delivered as a dry mortar, water is added on site. The final product can withstand temporarily moisture damage, does not contain slagg, fly ash or casein. Weberfloor 110 Fine is CE-labelled and characterized CT-C20-F5. The product is EPD and Indoor Air Comfort GOLD-Verified, registered in Swedish Basta and Nordic Swan ECO label portal and fulfills requirements for screeds in Swedish AMA Hus.

Area of use

Weberfloor 110 Fine is recommended in dwellings, offices, public areas indoors, bonded to a substrate. The product shall be covered with a surface covering. For demands of drying before the application of a surface covering, see demands in AMA Hus (Sweden) or corresponding demands in the specific country. Layer thickness 4-40 mm.

Substrate type

- Concrete
- Cementitious floor levelling
- Tile
- Flooring plasterboard
- Wooden chipboard for floors
- PVC
- Lightweight concrete
- Steel
- Stone
- Wood

To know before applying

For multi-layer laying, priming must always be carried out between the respective stock. Wait at least 24 hours before priming and check that the surface is so dry that the primer dries in the substrate.

Mixing ratio when priming on newly applied leveling compound: Weberfloor 4716 Primer is mixed with five parts water. The recommended minimum 4 mm thickness refers to local points. By applying larger surfaces, at least 10 mm thickness is recommended to get the correct flatness of the final surface.

Product specification

Material consumption	1,7 kg/m ² /mm (according to Swedish GBR method): 5 mm = 8,5 kg/m ² 10 mm = 17,0 kg/m ² External measurement performed by RISE 2018-01-17 Report No:8F000976B
Minimum layer thickness	4 mm, 6 mm Lightweight concrete
Maximum layer thickness	40 mm (15 mm Lightweight concrete) Lightweight concrete the leveling compound > 15 mm or surfaces >10 m ² s reinforced with weberfloor steel reinforcement 100 mesh 3,4 mm diameter or equivalent.
Recommended water content	4,2 litres of clean water per 20 kg bag (21%)
Curing time for covering	1-4 weeks depending on layer thickness and in drying conditions
Curing time for pedestrian traffic	2-4 hours in normal conditions
Compressive strength class	C20 according to EN 13813
Compressive strength average	26 MPa according to EN 13892-2
Flexural strength class	F5 according to EN 13813
Flexural strength average	6 MPa according to EN 13892-2
Surface tensile strength	> 1,5 MPa, after 28 days according to Swedish GBR Trade union standard
Shrinkage 28 days	<0,4 mm / m according to EN 13454-2
Fire class	A2fl s1 according to EN 13501-1
Wear resistance to rolling wheel of screed material with floor coverings (RWFC)	RWFC 350 (at thickness 4-40 mm) according to EN 13892-7
Water content	21%
Flow rate according to Weber standard	Ring 50x22 mm 150-160 mm weber standard metod (ring 68x35mm) 230-245 mm EN 12706 (ring 30-50 mm) 140-150 mm
pH	appr. 11
Density	appr. 1950 kg/m ³ , final product hardened and dried by delivery with weber pump truck
Storage conditions	6 months in unopened package stored under dry conditions.
Package	20 kg bag, 960 kg per pallet (1200x800 mm) 1000 kg big bag and Bulk
Certifications	EPD (third-party verified environmental product declaration) Indoor Air Comfort GOLD verified (meets, among other things, the emission requirements for EMICODE ECI PLUS)

Preparation

During laying the temperature of the substrate should be above +10°C. The substrate should present a dry surface. The humidity of the work area should permit drying out and the RH value of the air should be <70%.

To determine the level of screeding that is required it is recommended that height surveillance is done prior to casting.

To achieve the prescribed floor tolerances with regard to bellying (usually 2 m length) and slope, the substrate should be marked with height in points with for example weber height markers.

Prepare the substrate by removing dust and particles by for example vacuum cleaning. Fill up any holes in the substrate and along walls and bushings to make sure that the screed will not spread outside the designated area. Use Weber dividers to divide the area of application into sections, if needed.

Pretreatment

The substrate should be clean and free from dust, cement rich skin, grease or other impurities, which might prevent adhesion. The surface tensile strength of the substrate should be minimum 1,0 MPa. Movement joints shall be arranged throughout the hole screeding compound and must not be covered.

Weberfloor 4716 Primer should be applied on the substrate. The Primer shall be diluted according to the instruction on the primer packaging. During application the substrate temperature should be above +10°C. The surface of the substrate must be dry and the work area must provide drying conditions. If the primer requires more than three to four hours to dry, there is a risk of it not drying out correctly or that the substrate cannot absorb the primer properly. Recommended temperature in the area of application is 10 to 25 degrees.

Mixing

The temperature of the work area should be between +10 and +25°C. weberfloor 110 Fine should be mixed with 4,2 litres of clean water per 20 kg bag (21%)

Application by hand. Use a bucket or a larger mixing container (75-100 l) suitable for 3-5 bags. First pour part of the mixing water into the bucket/container. Then add weberfloor 110 Fine. Add the remaining mixing water. Mix for at least 2 minutes with a blender fitted to a power drill.

Machine application. Use Weber automatic mixing machinery. Adjust the water amount corresponding to max 21%.

During mixing the water content of the compound should be checked by testing the flow rate. If the water content is correct, the flow rate should be between 230 to 245 mm (weber ring 68x35 mm) or 150-160 mm (ring 50x22 mm). During the flow test it should also be checked that the compound is fully homogenized and free of separation. Never add more water than the amount required to achieve a finished result.

Work instructions

The compound should be pumped or poured onto the substrate in gores. Each new gore should be laid into the previous as quickly as possible so that the compound forms an even coating. While working, the newly laid compound should be lightly smoothed with a wide toothed spactual or a trowel to remove any foam in the surface coat. Gore length should be adjusted to the capacity of the mixing pump and the layer thickness. As a general rule, the gore length should not exceed 10 to 12 meters. For dividing into suitable sections, Weber dividers are recommended. Before laying, take care to fit gully's with the necessary seals to avoid clogging sewage outlets. When semi-hardened the compound is easy to adjust or cut, so do not wait too long before making any necessary adjustments. Adjustments after the compound has hardened requires advanced grinding equipment. The temperature in the room should be +10-25° C during laying and curing. Provide good ventilation and avoid drafts and sunlight

Please observe

Make sure that there is proper ventilation and avoid draft and direct sunlight.

Make sure that the screed as well as the entire floor construction below the screed is sufficiently dry prior to the application of the surface covering. Follow the guidelines in Swedish AMA Hus for the Swedish market or corresponding rules in the present market if outside of Sweden. Drying time before application of glued vinyl covering is 1-4 weeks depending on layer thickness. The drying times are valid at a climate is +20°C, 50% RH and air exchange. Concrete substrates should always be levelled with a low alkaline screed prior to the application of a bonded floor covering.

Equipment and tools may be cleaned by flushing water directly after using. Hardened material must be removed mechanically.

Safety regulation

The product (dry mortar) gets corrosive in contact with water. Hard material does not pose any known danger to the environment or health.

For declaration of contents and other safety precautions, please study the Material safety datasheet.

Disclaimer

As there are different conditions at every opportunity, Weber can not be held responsible for anything other than the information provided under the heading "Product Specification". Examples of information and circumstances, which are outside Saint-Gobain (whether specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.