weberfloor 130 Core

- Pumpable – fast and more ergonomical application
- Suitable for thick layers
- Can be used both as self-drying and normal drying
- Suitable for slopes and flat levelling
- EPD-Verified
- Indoor Air Comfort GOLD-Verified

About this product

Weberfloor 130 Core is a pumpable rapid drying screed for thicker layers. 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 130 Core is CE-labelled and characterized CT-C30-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

Floor 130 Core is recommended where there is a need for laying in thick layers and at the same time limiting the drying time. The product can be used as both self-drying and normal-drying floor leveling. The product is mainly recommended as a base material and as a parquet carrier for liquid parquet, underlay for tiles and underlay for waterproofing layers, but it can also be used as an underlay for carpet laying. Layer thickness 10-100mm.

Substrate type

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

To know before applying

The product is primarily intended for laying in thick layers. The stated minimum thickness of 10 mm refers only to local points. When leveling larger areas, a layer thickness of at least 20 mm is recommended in order to achieve a flatness that meets class B floors, ± 5 mm at a length of 2 meters (AMA-Hus Sweden).

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

Product specification

Material consumption	1,85 kg/m²/mm (according to Swedish GBR method): 5 mm = 9,25 kg/m² 10 mm = 18,5 kg/m² External measurement performed by RISE 2018-06-07 Report No:8F012753
Minimum layer thickness	10 mm
Maximum layer thickness	100 mm (on lightweight concrete 20 mm)
Recommended water content	3,2 litres of clean water per 20 kg bag (16%)
Application temperature	+8 to +25 °C
Open time	10-25 minutes
Drying time	Up to 30 mm 2 days Up to 50 mm 3 days Up to 80 mm 5 days Up to 100 mm 7 days In conditions +20 and RF 50%
Curing time for pedestrian traffic	2-4 hours in normal conditions
Compressive strength class	C30 according to EN 13813
Compressive strength average	35 MPa according to EN 13892-2
Flexural strength class	F5 according to EN 13813
Flexural strenght average	7 MPa according to EN 13892-2
Surface tensile strength	> 1,0 MPa, after 28 days according to Swedish GBR Trade union standard
Shrinkage 28 days	<0.5 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 250 (at thickness 10-100 mm) according to EN 13892-7
Water content	16%
Flow rate according to Weber standard	Ring 50x22 mm 130-140 mm weber standard metod (ring 68x35mm) 180-210 mm EN 12706 (ring 30-50 mm) 120-130 mm
pH	appr. 11
Density	Approx. 2100 kg / m3, hardened and dried on delivery with Weber FBG 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 Bulk
Certifications	EPD (third-party verified environmental product declaration) Indoor Air Comfort GOLD verified (meets, among other things, the emission requirements for EMICODE EC1 PLUS)

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bellying (usually 2 m length) and slope, the substrate should be market 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 to make sure that the screed will not spread outside the designated area. Use Weber dividers to dived 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 0,5 MPa. Movement joints shall be arranged throughout the hole screeding compound and must not be covered.

Weak and flexible substrates, e.g. asphalt floor must be Removed or separated by using a floating floor construction.

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 30 degrees.
By floating construction, a geotextile, e.g. weberfloor 4940, is recommended a separating layer between the substrate and weberfloor 130 Core. A plastic foil of suitable quality can also be used. Each gore should have an overlap of at least 200 mm. Apply a soft strip along walls and bushings. The geotextile/plastic foil is folded up on the wall against the soft strip to prevent the screed from penetration to the substrate. In residential areas, surface areas larger than 10 m² shall be reinforced. In public and commercial areas, the screed shall generally always be reinforced by floating constructions.

Mixing

The temperature of the work area should be between +10 and +25°C. weberfloor 130 Core should be mixed with 3,2 litres of clean water per 20 kg bag (16%)
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 130 Core. 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 16%.
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 180 to 210 mm (weber ring 68x353 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.
By application of slopes, the amount of water can be reduced.

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 spatula, wobble bar or 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 metres. For dividing into suitable sections, Weber dividers are recommended. Before laying, take care to fit gulley 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

After-treatment

weberfloor 130 Core works directly as a parquet carrier for floating parquet, substrates for ceramic tiles and substrates for waterproofing layers. When laying carpet, the product must, if necessary, be coated with a suitable fine smoothing compound, for example Floor 4031 super flow DR or leveling compound, for example Floor 110 Fine.

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.

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