

WEBERFLOOR 4160 FINE FLOW RAPID



- Pumpable – fast and more ergonomical application
- Very good flow properties - enables flat surfaces in thin layers
- High surface strength – suitable for most surface coatings
- Self-drying - early coatable
- EPD-verified
- Indoor Air Comfort GOLD-Verified

ABOUT THIS PRODUCT

Weberfloor 4160 fine flow rapid is a pumpable self-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 4160 fine flow rapid is CE-labelled and characterized CT-C30-F7. 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 4160 Fine Flow Rapid is recommended for indoor use in homes, offices and public environments where special requirements are placed on high surface strength and fast floor covering. The material is suitable for most substrates and can be laid with Weber's automatic mixer pumps as well as by hand. Layer thickness 2-30 mm. The specified minimum layer thickness of 2 mm refers to local heights. When laying larger surfaces

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
Minimum layer thickness	2 mm, 6 mm Lightweight concrete
Maximum layer thickness	30 mm (10 mm Lightweight concrete)
Curing time for covering	1 day in drying conditions
Curing time for pedestrian traffic	2-4 hours in normal conditions
Adhesion strength 28 days	> 2.0 MPa according to EN13892-8
Compressive strength class	C30 according to EN 13813
Compressive strength average	35 MPa according to EN 13892-2
Flexural strength class	F7 according to EN 13813
Flexural strenght average	11 MPa according to EN 13892-2
Surface tensile strength	> 2.0 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 450 (at thickness 2-30 mm) according to EN 13892-7
Water content	4,2 litres of clean water per 20 kg bag (21%)
Flow rate according to Weber standard	Ring 50x22 mm 155-160 mm weber standard metod (ring 68x35mm) 240-255 mm
pH	appr. 11
Storage conditions	9 months in unopened package stored under dry conditions.
Package	20 kg bag, 960 kg per pallet (1200x800 mm)
Certifications	EPD (third-party verified environmental product declaration) Indoor Air Comfort GOLD verified (meets, among other things, the emission requirements for EMICODE ECI PLUS)
Global Warming Potential (GWP) Acc. EPD A1-A3	0.241 kg CO ₂ e/kg

where the substrate is reasonably flat, a layer thickness of approx. 10 mm is recommended to achieve an optimal result. The product is suitable for underfloor heating.

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 +30°C. weberfloor 4160 fine flow rapid 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 4160 fine flow rapid. 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 240 to 255 mm (weber ring 68x35 mm) or 155-160 mm (ring 50x22mm). 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 good result.

WORK INSTRUCTIONS

Laying by hand,
the leveling compound is poured into smaller buckets. It is then poured into gore parallel to a short wall, and lightly smoothed with a toothed spatula. At room temperature, the pulp is workable for about 20 minutes.

Machining:

The material is pumped out on the substrate in wet weather. Each new gore is added to the old ones as quickly as possible. During installation, the surface is easily smoothed with a toothed spatula. 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 6 to 10 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

PLEASE OBSERVE

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 day.

The surface has then hardened and dried enough for the carpet to be glued to the surface. The drying times are valid at a climate is +20°C, 50% RH and air exchange. As a rule, wooden floors should always be protected with a suitable moisture barrier. Concrete substrates should always be levelled with a low alkaline screed prior to application of a bonded floor covering.

On freshly cast concrete, we recommend at least 10 mm leveling to create a low-alkaline substrate that can absorb the moisture of the adhesive.

Weberfloor 4160 fine flow rapid works excellently with underfloor heating. However, electric underfloor heating must not be switched on two days before to one week after application of the leveling compound (When tiling, electric underfloor heating may normally be switched on only 28 days after the tiles have been joined). Water-borne underfloor heating may be switched on at ambient temperature when applying the leveling compound. One week after application, the heat can be raised gradually to operating temperature.

Weberfloor 4160 fine flow rapid is by nature self-drying, which means that an early surface strength is obtained and that the excess water is chemically bound in the long run. This enables early carpet laying provided that the RF% in the underlying structure does not exceed the recommended value according to AMA Hus.

When gluing wooden floors, the glue and the wooden floor manufacturer's requirements and instructions must be followed.

In good climatic conditions about min. 20 degrees C and max. 50% RH, the drying time to achieve 85% RH in the leveling is calculated to 1 week per cm layer thickness, applies to a max. 3 cm layer thickness.

For accurate RF, moisture measurement must be done.

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.

RECYCLING

Please visit your local weber website to find information on waste material and packagings.

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.