weberfloor 120 Reno DR

- Pumpable – fast and more ergonomical application
- Suitable underfloor heating
- Suitable for slopes and flat levelling
- Self-drying
- Fiber reinforced
- EPD-Verified
- Indoor Air Comfort GOLD-Verifierad

About this product

Weberfloor 120 Reno DR is a dust reduced, self-drying, fiber reinforced and pumpable. 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 120 Reno DR is CE-labelled and characterized CT-C30-F7. It is third party EPD verified, registered in Swedish Basta and Nordic Swan ECO label portal and fulfills requirements for screeds in Swedish AMA Hus. The product is EPD and Indoor Air Comfort GOLD verified.

Area of use

weberfloor 120 Reno is recommended indoors for renovation of homes, offices and public administration where there is a need for short drying times. It can be used for electric or water-borne heating floors.
The product has a wide range of uses and is also suitable for laying on substrates such as wooden floors, substrates with low surface strength and floating floors. Layer thickness 4-50mm.

Substrate type

- Concrete
- Cementitius floor levelling
- PVC
- Tile
- Stone
- Wood
- Flooring plasterboard
- Leca system of joists
- Floating construction
- Wooden chipboard for floors
- Lightweight concrete
- Cross-laminated timber (CLT)
- Steel

To know before applying

Multilayer laying:
For multi-layer laying, priming must always be carried out between the respective layers. Always wait at least 24 hours before priming. The total layer thickness for multi-layer laying must not exceed 50 mm for the specified drying times to apply. On newly laid floor leveling, weberfloor 4716 Primer is mixed with five parts water.
Rising damp:
In the event of rising damp or where the material will be exposed to high humidity for a long time, it is recommended to contact Weber before choosing a material.

Product specification	
Material consumption	1,75 kg/m²/mm (according to Swedish GBR method): 5 mm = 8,75 kg/m² 10 mm = 17,5 kg/m² External measurement performed by RISE 2018-06-07 Report No:8F012753
Minimum layer thickness	4 mm, 6 mm Lightweight concrete
Maximum layer thickness	50 mm (30 mm Lightweight concrete) Lightweight concrete the leveling compound > 30 mm or surfaces >10 m²i s reinforced with weberfloor steel reinforcement 100 mesh 3,4 mm diameter or equivalent.
Recommended water content	3,6 litres of clean water per 20 kg bag (18%)
Curing time for covering	1-3 days depending on layer thickness and in drying conditions
Curing time for pedestrian traffic	2-4 hours in normal conditions
Fiber	Yes
Compressive strength class	C30 according to EN 13813
Compressive strength average	39 MPa according to EN 13892-2
Flexural strength class	F7 according to EN 13813
Flexural strenght average	9 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	<0.5 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 350 (at thickness 4-50 mm) according to EN 13892-7
Water content	18%
Flow rate according to Weber standard	Ring 50x22 mm 130-145 mm weber standard metod (ring 68x35mm) 200-225 mm EN 12706 (ring 30-50 mm) 120-130 mm
pH	appr. 11
Density	appr. 1950 kg/m3, final product hardened and dried by delivery with weber pump truck
Storage conditions	6 months in unopened package stored under dry conditions.
Package	[ERROR READING XHTML FRAGMENT]
Certifications	EPD (third-party verified environmental product declaration) Indoor Air Comfort GOLD verified (meets, among other things, the emission requirements for EMICODE EC1 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.

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To achieve the prescribed floor tolerances with regard to 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 +25 degrees.
By floating construction, a geotextile, e.g. weberfloor 4940, is recommended a separating layer between the substrate and weberfloor 120 Reno DR. 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 120 Reno should be mixed with 3,6 litres of clean water per 20 kg bag (18%)
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 120 Reno. 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 18%.
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 200 to 225 mm (weber ring 68x35 mm) 130-145 mm (ring 50x22 mm) or EN 12706 (ring 30-50 mm) 120-130 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

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
Laying of slopes:
Reduce the amount of water so that the consistency becomes more viscous. Lay out the leveling compound at the highest point of the fall and allow the material to flow down to the lowest point. Use a spatula and raise the excess material at the low point towards the high point until the material stops flowing. High cases are suitably built in several rounds with intermediate priming.

After-treatment

For floating constructions, the floor should be provided with floor covering within a week or primed no later than the next day with Floor 4716, diluted 1: 5, to minimize cracking and edging.

Please observe

Make sure that there is properventilation and avoid draft and direct sunlight.
Make sure that the screed aswell 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 1-3 says depending on layer thickness. Layer thickness: up to 30 mm 1 day, up to 40 mm 2 days
and up to 50 mm 3 days. 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.
The minimum thickness in floating construction is 25 mm. Use a separating layer of geotextile or plastic foil.

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 120 Reno DR 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 120 Reno 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.
Avoid exposing the floor surface to drafts and sunlight during and 3 days after laying.
If there are specific requirements for RF% in the finished floor construction before flooring takes place, contact with Weber is recommended before product selection of floor leveling takes place.
Weberfloor 120 Reno is fire-rated as non-combustible, A2fl-s1 according to the Euroclass system for fire-fighting properties of construction products, where A2 means that the product is non-combustible, fl that the product is for floors and s1 that it meets the highest requirements for limited smoke development. Leveling compounds are not classified according to the

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fire technical class for a building's structural parts, for example EI 60.
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.

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Please find contact information
on your local Weber website.

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