weberfloor 150 dura

- Pumpable – fast and more ergonomical application
- Suitable for thick layers
- Suitable for slopes and flat levelling
- Low emissions
- Low CO2 footprint

About this product

Weberfloor 150 Dura is a pumpable normal 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 150 Dura is CE-labelled and characterized CT-C20-F5. 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.

Product attributes

- Low emissions
- Low alkaline
- Heated floors
- Normal drying time

Application characteristics

- Hand applied
- Pumpable

Area of use

Weberfloor 150 Dura is recommended in dwellings, offices, public areas indoors, bonded to a substrate as well as in a floating construction separated from the 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 12-80 mm.

Substrate

Substrate type

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

To know before applying

The product is intended for thicker layers. The recommended minimum thickness refers to local points. By the application of larger areas, at least 20 mm thickness is recommended to obtain a proper flatness of the final surface. Minimum layer thickness by floating construction in dwellings is 30 mm, in other areas the minimum thickness for floating construction is generally thicker depending on the activity and loads on the floor.
Weberfloor 150 Dura is suitable for underfloor heating, both electric and water borne. Electrical heating cables should be switched off from two days before to seven days after the application of weberfloor 150 Dura. Water borne heating may be on at the same temperature as the substrate, but not higher than 20 degrees. After each seven days the temperature can be increased by another 5 degrees. Maximum temperature for any kind of heating is 40 degrees. Rising damp from ground or if the construction will exposed to constant high moisture loads, contact weber for information.

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
Minimum layer thickness	12 mm
Maximum layer thickness	80 mm
Layer thickness in floating constructions	30 mm
Recommended water content	3,2-3,4 liter per 20 kg bag
Application temperature	+8 to +25 °C
Open time	10-25 minutes
Curing time for covering	1 week/cm up to 40 mm >40 mm 6- 14 weeks
Curing time for pedestrian traffic	2-4 hour
Compressive strength class	class C20 according to EN 13813
Compressive strength 28 days	mean value 29 MPa according to EN 13892-2
Flexural strength class	class F5 according to EN 13813
Flexural strength 28 days	mean value 5,5 MPa according to EN 13892-2
Surface tensile strength	> 1,0 MPa, GBR Sweden trade standard
Shrinkage	<0,3 mm/m 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 class RWFC 250 at 12-80 mm thickness according to EN 13892-7
Water content	16-17%
Flow rate according to Weber standard	Ring 50x22 mm 130-143 mm weber standard metod (ring 68x35mm) 200-220 mm EN 12706 (ring 30-50 mm) 120-135 mm
pH	appr. 11
Density	appr. 2150 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	20 kg bag, 960 kg per pallet (1200x800 mm) 1000 kg big bag and Bulk

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

11/23/2020

bellying (usually 2 m length) and slope, the substrate should be market with height in points with for example weber height markets.

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 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 150 Dura. 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 +30°C. weberfloor 150 Dura should be mixed with 3,2 to 3,4 litres of clean water per 20 kg bag (16-17%)
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 150 Dura. 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 17%.
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 220 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

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 1-14 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.
The minimum thickness in floating construction is 30 mm. Use a separating layer of geotextile or plastic foil.
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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