

Weberfloor 550

Self-levelling, fast hardening, cementitious flooring system
for underlayment applications



Weberfloor 550 is a self-levelling floor surfacing system, pre-blended, dry powder for application at a thickness of 3 - 10 mm by machine or hand applied in one operation. It does not contain casein or protein bearing additives.

PRODUCT BENEFITS



**HIGH
STRENGTH**



**RAPID
HARDENING**



**EASY
APPLICATION**

USES

Weberfloor 550 is mainly used for residential and commercial flooring such as hospitals, food preparation area, schools, sports stadiums, storage areas, and theatres, etc. It is a smooth underlayment to receive vinyl sheets, carpet, epoxy, and other finishing.

ADVANTAGES

- Rapid hardening, foot traffic in 2 hours
- Low shrinkage to prevent cracking

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Grey
Component	Portland cement, fast setting cement, graded sand, non-reactive aggregate, and other chemical additives
polymer,	
Density	Approx. 2.0 kg/litre (dry), 2.1 kg/litre (wet)
Thickness	3 - 10 mm
Water Demand	Approx. 20 - 22% or 5-5.5 litres/25kg bag
Time for Foot Traffic	Approx. 2 hours
Compressive Strength (ASTM C349: 2018)	16.2 N/mm ² (1 day) 23.8 N/mm ² (7 days) 32.4 N/mm ² (28 days)
Flexural Strength (ASTM C48: 2021)	4.69 N/mm ² (1 day) 5.38 N/mm ² (7 days) 7.17 N/mm ² (28 days)
pH value	Approx. 11

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

LIMITATIONS

Do not use on substrates with rising moisture, or else pinholes may occur. Always apply when the substrate is at ambient temperature, and not below 8°C until the membrane has fully cured. Ensure that the coating is thoroughly dry and free of pinholes before proceeding to the next layer. Do not allow temporary ponding between coats or on the final coating by mopping the surface water away. Do not apply directly to insulation boards.

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PROCEDURE & APPLICATION



Substrate Preparation

Survey the level of the existing substrate to determine the thickness of the underlayment to be used. All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. The receiving substrate should have a minimum tensile strength of 1.0 N/mm². Contraction and construction joints that may be subjected to movement must be maintained as joints on the new surface.



Mixing

Prime the substrate by brushing diluted Weberfloor Prime with clean water at the ratio of 1:5 for the first coat, and 1:3 for the second coat. Allow each primed layer to dry tacky before applying the next layer. Mix a bag of Weberfloor 550 with the required amount of clean water using an electric mixer for 2 - 4 minutes.



Application

Apply Weberfloor 550 with a trowel or steel spatula. For machine application, adjust the flow rate of the machine until a homogenous mixture is obtained without segregation. Weberfloor 550 is pumped onto the surface through the discharge hose, which is moved across the substrate surface at a constant pace for a uniform thickness. The required thickness must be achieved in one operation. The optimal performance is when pouring and levelling are in a continuous process. The freshly applied material can be gently troweled with a steel spatula to dissipate lines left by the hose. Spike rollers may be used to remove air bubbles. The semi-hardened material can easily be cut for any necessary adjustments.

Finishings such as epoxy coating, tiling, and carpeting may be applied 24 hours after curing. Light ventilation is recommended during and after laying. Dehumidifiers should not be used for the first 2 days. Curing membranes is not required.

CONSUMPTION

Approx. 5 m² @ 3 mm.

STORAGE & PACKING

Weberfloor 550 is available in 25 kg bags.

Shelf life is 6 months if unopened, and kept in dry and cool conditions.

HEALTH & SAFETY

Weberfloor 550 contains cement, which may produce an allergic effect. Material may irritate eyes and skin. In case of contact with eyes, rinse immediately with plenty of water, and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water. Please keep out of reach of children.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Jan '23)

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