PRODUCT DATA SHEET

weberfloor 230

(Formerly known as E.MIX FLOWBASE 230)

Thick layer, rapid hardening, fibre reinforcement, self-levelling cementitious flooring system for domestic and commercial renovation use

PRODUCT

weberfloor 230, a machine or hand applied self-smoothing base, is designed as a smooth thick underlayment for the use on concrete floor to receive vinyl sheets, carpeting and other floor finishes. It contains polymer fibres which prevents cracks even on old substrate. It is supplied as a pre-blended dry powder designed for application at thickness between 15 – 50 mm in one operation. The product can be used as a stand-alone underlayment, with **weberfloor 810 or weberfloor 860** to form a hard wearing floor surface. Under normal condition, access onto the floor is available after 2 – 3 hours. Provided that the substrate is suitably dry, the final flooring can be laid after 24 hours (for a 15 mm layer). **weberfloor 230** does not contain casein or other protein bearing additives, making it particularly suitable for the use in hospitals, food preparation areas and storage areas.

Uses

- Flooring with rapid hardening : finishing can be applied within 24 hours
- Residential and commercial flooring renovation
- Hospitals, schools, sports stadium and theatres, etc.
- Smooth underlayment to receive vinyl sheet, carpet and other finishings

Features and Benefits

High Quality Product
- Formulated to comply with European Norm
- Rapid hardening : finishing can be applied within 24 hours and available for foot traffic after 2 hours
- Good abrasion resistance
- Very low shrinkage to prevent cracking even on old substrate
- High compressive strength
- Water resistance : can be exposed to water spillage without damage
- Chemical resistance : similar to dense concrete

Easy Application
- Single component : fixed mixing proportion, ensure the quality of work
- Suitable for hand application
- Thick application : up to 50 mm per layer
- Can receive vinyl sheet, carpet and tiling directly

Environmentally Friendly
- Low pH : less aggressive to floor finishing
- Casein free : environmentally friendly

Should always be applied on primed floor (with **weberfloor primer**)

SAINT-GOBAIN

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TECHNICAL DATA

Colour	Grey
Component	Portland cement, fast setting cement, non-reactive aggregate, graded sand, polymer fibres and other chemical additives
Max. Aggregate Size	4 mm
Water Demand	Approx. 14 – 16% (3.5 – 4.0 L/25 KG bag)
Density	2.0 kg/L (dry) 2.2 kg/L (wet) for 14% water demand
pH value	Approx. 11
Thickness	15 – 50 mm
Time for Foot Traffic	2 hours
Coverage	Approx. 1.9 kg/m^2/mm
Consumption	Approx. 28.5 kg/m^2 for 15 mm thickness Approx. 0.9 m^2 / 25 kg bag for 15 mm thickness

PHYSICAL PROPERTIES

Adhesion to Concrete	> 1.0 N/mm^2
Compressive Strength	1 day : > 6 N/mm^2 3 days : > 9 N/mm^2 7 days : > 12 N/mm^2 28 days : > 16 N/mm^2
Flexural Strength	> 4.0 N/mm^2
Abrasion Resistance	RWFC 350
Free Shrinkage	0.04 – 0.06%

Unless specified, all technical data refers to 28 days curing time.
Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control.

PROCEDURE

Substrate Preparations

The concrete substrate to be treated must be hard, sound and free from surface contamination.

All dust and contaminants should be vacuumed clean prior to installation.

Contraction joints, construction joints and cracks in the substrate which may be subject to movement after installation of **weberfloor 230** must be maintained as joints in the new surface.

Mixing and Installation

weberfloor primer should be applied and allowed to become touch dry (3 – 4 hours under normal conditions). **weberfloor primer** should be diluted with clean, potable water at the ratio of 1:5 for the first coat, and after the first coat dries, 1:3 for the second coat.

Hand application: **weberfloor 230** is mixed for at least 2 minutes by means of appropriate portable mixer and only clean potable water at a rate of 14 – 16% (3.5 – 4 L) per 25 KG should be used.

The mixed material should be used within 20 minutes, and the temperature of the material should be above +10 °C. Mix material adequately for continuous application.

weberfloor 230 should be applied and finished by hand with a trowel or a steel spatula.

weberfloor 230 should not be applied to substrates below +10 °C. The air temperature should be above +10 °C.

Finishings such as vinyl sheets and carpet, or hard wearing top coating of **weberfloor 810** or **weberfloor 860** can be applied 24 hours after curing.

Painting should not proceed directly on **weberfloor 230**. For this application, **weberfloor 860** should be used.

If hard wearing finish such as **weberfloor 860** or **weberfloor 810** is to be used on top, a primer coat of diluted **weberfloor primer** (1:3 dilution should be applied) over the **weberfloor 230** enhance adhesion between layers.

Please refer to our method statement for procedures in details.

Curing

The relative humidity of the surrounding air should be below 70%. Light ventilation during and after laying is recommended, but dehumidifiers should not be used for the first 2 days. Curing membranes are not required.

STORAGE AND PACKING

weberfloor 230 is delivered in 25 kg bag. Storage life is 6 months if the product is kept in a dry place.

HEALTH AND SAFETY

Recommend to wear NIOSH approved or equivalent particulate face mask when mixing the material.
Contain cement which may produce an allergic effect.
Keep out of Children.
Material may cause irritation to 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 refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

CLEANING & DISPOSAL OF WASTE

Cured material can be removed mechanically, if uncured, material can be removed with water. Dispose of waste in accordance with legislation.

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.