SHG Casufloor FS – Alpha Levelling Compound

SHG Casufloor FS is a Calcium Sulphate based, Polymer Modified, levelling screed compound ideal for renovations or levelling cementitious, calcium sulphate and concrete based floors. The composition of the material makes it ideal to use over heated floor systems with a layer thickness 2 to 10 mm. The material complies with EN13813: 2002 and is CE marked. Designation: CA-C30-F7.

- Smooth Laitance Free Finish
- Next day application onto CA Base Screeds
- Pumpable – High Flowability
- Early Trafficking
- Very Low Shrinkage
- Reduced Drying Times
- CE Marked
- EN 13813: 2002

Field Of Application

Casufloor FS is used in renovation of apartments, offices and public buildings as a levelling material. The screed is for internal use and can be covered with all common floor coverings. If a cement based adhesive or smoothing compound is required the surface of the screed must be sealed first, using an appropriate acrylic primer/sealer.

Working Instructions

Light ventilation in the work area is necessary, however windows and openings must be closed sufficiently to avoid draughts, during and after application. Indoor and floor temperature should exceed +10C during and after application and for one week after that. Expansion joints in a bonded application should be followed through.

Substrate

Casufloor FS is designed for use as a bonded levelling screed on cementitious, calcium sulphate and concrete based floors.

Preparation and Priming

The substrate should be clean, dry, free of dust, grease and other impurities that might prevent adhesion. If it is a large area, the surface should be treated by mechanical preparation by grinding or shot blasting.
The surface strength of the substrate has to be at least 1.0 N/mm². Prepare the substrate using Smet Floor Primer as directed. Dry and very porous substrates must be treated twice.

Mixing

Casufloor FS should be mixed by mechanical means. Mixing time, if using a hand held mixer, is 2 minutes. Depending on the intended use, mix 6.5 L of clean water per 25kg bag. Do not mix more material than can be laid in 20 minutes. A suitable mixing pump i.e. G4/5, Duomix or MP25 should be used for large areas. The optimal temperature for mixing is between 10-20 ˚C.

Application

Pumping is carried out in sections so that a wet edge is maintained. A spiked roller or notched trowel is used to assist the levelling process. When applied the minimum thickness of Casufloor FS should be 2mm.

Storage

6 months under dry conditions.

Safety

Caution. This product contains cement, which becomes alkaline when wet and may cause skin irritation. Use goggles, gloves and protecting cream. Avoid prolonged contact with skin. Avoid inhaling the dust. Wash affected area with warm water and soap. Wash eyes thoroughly and consult a physician. Do not ingest. See Health and Safety Data Sheet for further information.

Please note: No responsibility can be taken by Smet Building Products Ltd. for any defects or deficiencies in the completed work arising from any failure to comply with recommended practice in applying SHG products or resulting from any failure to comply with the manufacturer's instructions or other instructions issued in respect of other elements of the system being installed.

Technical Information

Screed Specification EN 13813: 2002	
Maximum Thickness	10mm
Minimum Thickness	2mm
Use (External Use)	No
Use (Internal Use)	Yes
Compressive Strength (28 days)	> 30 N/mm²
Flexural Strength (28 days)	> 7 N/mm²
Tensile Adhesion	> 1.5 N/mm²
Shrinkage (28 days)	< 0.1 %
Flow Rate	220 – 240mm
Hardening Time (before foot traffic)	3 - 4 hours
Hardening Time (final covering)	1 day to 2 weeks depending on thickness
Recommend water content	26 %
Pot life	Maximum 25 minutes depending on ambient conditions
Reaction To Fire	A1 Non Combustible
Thermal Conductivity	1.8 W/mK
Yield	1.5 kg/mm/m²

CE	Südharzer Gipswerk GmbH Pontelstrasse 3, D-99755 Ellrich
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Reaction to fire	A1

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