

Product Description:

Cemfloor is a specially formulated additive that is used to create self levelling cementitious floor screeds. With the addition of Cemfloor the screeds performance is increased significantly and can be applied to a wide range of floors. Cemfloor binder is simply mixed with cement, water and a suitable sand to create a high performance screed which complies with EN 13813.

Key Features & Benefits:

- Thinner sections compared to traditional screeds.
- Minimal Drying Shrinkage (<0.1%)
- Larger floor area without joints (up to 150m²)
- Foot traffic after 24 –48 hours
- Exceptional Thermal Conductivity (up to 2.9W/m.k)*
- Can be applied in wet areas.
- Reduced drying times of 14-28 days. (Depending on drying conditions)
- Self compacting – no voids around under floor heating pipes.
- No risk of contamination at concrete mixing plants.
- No Surface Laitance (Dust) after curing.
- Easy Installation (Reduces time & costs)

Substrate:

Cemfloor Screed is designed for use as a bonded thick levelling screed on concrete, as a floating screed over thermal or acoustic insulation, or as an unbonded screed on top of a plastic membrane.

Storage:

Store in a dry designated area. Material is available in bulk, 1000kg & 25kg bags.

Safety:

This product 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.

* According to Avis Technique CSTB No.EMI 14-26051749

Mix Design:

Trials should always be carried out to optimize the mix design before work commences. The sand used should be of an approved quality and grading. The screed is a blend of cemfloor, cement, sand, & water. The mix proportions depend on the sand available. A typical screed mix would be 250kg of Cemfloor, 280kg of cement, 1360kg of sand, and 220-270L of water. Please contact our technical team for instructions.

Application:

Cemfloor screeds should be used in accordance with BS 8204-7:2003 'Code of Practice for Pumpable Self-Smoothing Screeds'. To ensure a high quality screed it is recommended that application is carried out by a specialist screeding contractor. The freshly poured screed will need to be levelled using a dappling bar, ensuring to dapple the surface in two passes at 90°.

Curing:

After placing the floor should not be subjected to severe draughts, direct sunlight or heating for the first 24-48 hours. The room in which the screed has been placed should therefore be sealed during this time. The room should be ventilated after 24-48 hours by opening windows and doors during the day to aid the drying process.

Floor Coverings:

Cemfloor screed is compatible with all floor coverings, and all cementitious adhesives and floor levellers. The screeds moisture content should be measured before placing floor coverings to ensure that it is adequately dried. Cemfloor screed will not require any sanding to remove laitance but it is recommended to lightly abrade to clean and remove any building residue from the floor before applying any floor covering.

Technical Information

Cemfloor is produced in an ISO 9001 quality-controlled environment. Self levelling screeds produced with Cemfloor meet the requirements of EN 13813:2002 'Screed Material for Floor Screeds'.

Screed Specification	EN 13813:2002
Compressive Strength	C16, C20, C25
Flexural Strength	F3, F4, F5
Minimum Thickness	Bonded: 20mm Unbonded: 30mm Domestic: 35mm Commercial: 40mm Over underfloor heating pipes: 25mm above pipes
Shrinkage (28 Days)	<0.1%
Flow Rate	220—250mm
Fresh Density	2100-2200 kg/m ³
Thermal Conductivity	Up to 2.9W/mK
Drying Time (Dependent on drying conditions)	15 - 28 Days
Open to Light Foot Traffic	24-48 Hours

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