



Technical Data Sheet

Cemfloor Durafibre is a specially formulated, fibre-reinforced liquid cementitious screed suitable for a wide range of floor applications. Reinforced with high-performance glass microfibres, this advanced screed provides superior impact resistance and durability, making it ideal for demanding environments.

Cemfloor Durafibre combines the proven benefits of Cemfloor technology with enhanced fibre reinforcement to deliver long-term performance, reliability and strength.

- Fibre reinforced – improves tensile strength and impact resistance for greater durability.
- Suitable for exposed environments.
- Larger floor areas without joints (up to 150 m² for unheated floors and 100 m² for heated floors).
- Foot traffic after 24–48 hours.
- Exceptional thermal conductivity.
- Suitable for use in wet areas.
- Reduced drying times (depending on onsite drying conditions).
- Self-compacting – eliminates voids around underfloor heating pipes.
- No risk of contamination at concrete mixing plants.
- No surface laitance (dust) after curing.
- Easy installation, reducing both time and cost.

Substrate

Cemfloor Durafibre Screed is designed for use as a bonded levelling screed on concrete, as a floating screed over thermal or acoustic insulation with a minimum compressive strength of 100kPa, or as an unbonded screed on top of a plastic membrane.

Mix Design

Trials should always be carried out to optimise the mix design before work commences. The sand used should be of an approved quality and grading. The screed is a blend of Cemfloor Binder, cement, sand, Oscrete 6mm HD glass fibres & water. The mix proportions depend on the sand available.

Application

Cemfloor screeds must be installed in accordance with BS 8204-7:2003 – Code of Practice for Pumpable Self-Smoothing Screeds.

To ensure a high-quality floor, installation should be carried out by a specialist screeding contractor approved to place Cemfloor.

Curing

Cemfloor Durafibre can be installed in exposed conditions where it may be subject to wind and/or direct sunlight. In such cases, a suitable liquid curing compound must be applied immediately after installation.

Recommended: Adomast Safecure Super

Application rate: 4–6 m² per litre

This curing compound forms a thin, temporary protective membrane.

Floor Coverings

Cemfloor Durafibre screed is compatible with all floor coverings and all cementitious adhesives, including fastrack systems. The moisture content of the screed should be measured before installing floor coverings to ensure it has dried sufficiently.

Cemfloor screed does not require sanding to remove laitance. However, as part of the floor finish installation, it is recommended that the screed surface is lightly prepared to clean and remove any building residue or contamination, ensuring a suitable key for the subsequent floor coverings.

Screed Specification	EN 13813:2002
Compressive Strength	C30
Flexural Strength	F6
Minimum Thickness*	Bonded: 20mm Unbonded: Domestic 30mm Commercial 40mm Floating: Domestic: 35mm Commercial: 40mm Over underfloor heating pipes: 20mm above pipes
Shrinkage (28 Days)	<0.05%
Flow Rate	230–260mm
Fresh Density	2100–2200 kg/m ³
Surface Flatness	Min SR2
ISCR Test	Category A
Open to Light Foot Traffic	24-48 Hours
Maximum Bay Sizes	Non-Heated Floors =150m ² Heated Floors =100m ²

* For applications where the floor may be subjected to high loads then a thicker screed depth will be required. Please contact our technical team for assistance regarding specific projects.

