



Cemfloor Level Plus Technical Data Sheet

Cemfloor Level Plus is a specially formulated ultra-thin self levelling cementitious floor screeds. Cemfloor Level Plus is a mixture of Cemfloor binder, cement, water and a suitable sand. Cemfloor Level Plus is a high performance screed which complies with BSEN 13813. Cemfloor Level Plus is specifically designed for use in bonded construction between 12-30mm and to bridge the gap between bagged SLU materials and bonded sand cement screeds.

Key Features & Benefits

- Thinner sections compared to traditional screeds and flowing screeds.
- Minimal Drying Shrinkage (<0.05%).
- Larger floor area without joints (up to 200m²).
- Foot traffic after 24–48 hours.
- Can be applied in wet areas.
- Reduced drying times (Depending on drying conditions).
- Self compacting.
- Can be loaded after 7 days.
- No reinforcement required.
- No risk of contamination at concrete mixing plants.
- No Surface Laitance (Dust) after curing.
- Easy Installation (Reduces time & costs).

Substrate

Cemfloor Level Plus Screed is designed for use as a bonded ultra thin levelling screed on a new or existing concrete substrate. The substrate should have a minimum compressive strength of C25/30 and must be prepared by shot blasting or mechanically sanding. The substrate must also be primed with a suitable priming agent and may also require a sand scatter textured finish.

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 Binder, cement, sand & water. The mix proportions depend on the sand available.

Application

Cemfloor Level Plus 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 who has been approved to place Cemfloor Screeds. The freshly poured screed will need to be levelled using a dappling bar or brush. After dappling Cemfloor EC agent is sprayed on to the surface of the screed at a very light rate of approx. 30m² per litre of Cemfloor EC.

Curing

After placing the floor should not be subjected to severe draughts, direct sunlight or heating for the first 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 Level Plus screed is compatible with all floor coverings, and all cementitious adhesives including fast track systems. The screeds moisture content should be measured before placing floor coverings to ensure that it is adequately dried. Cemfloor Level Plus will not require any sanding to remove laitance. It is however recommended that the surface of the screed be lightly abraded to clean and remove any building residue to ensure that there is a good key to receive subsequent floor coverings.

Technical Information

Cemfloor Level Plus is produced in an ISO 9001 quality-controlled environment. Cemfloor Level Plus Screeds meet the requirements of BSEN 13813:2002 'Screed Material for Floor Screeds'.

Screed Specification	EN 13813:2002
Compressive Strength	C30
Flexural Strength	F6
Minimum Thickness	Bonded: 12 - 30mm
Shrinkage (28 Days)	<0.05%
Flow Rate	250–280mm
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	200m ² (area layout to be considered)

