Technical Data Sheet

Mobicem Therm is a specially formulated self levelling cementitious floor screeds. Mobicem Therm can be applied to a wide range of floors. Mobicem Therm is a mixture of Mobicem binder, cement, water and a suitable sand. Mobicem Therm is a high performance screed which complies with EN 13813.

Key Features & Benefits

- Thinner sections compared to traditional screeds.

- Minimal Drying Shrinkage (<0.05%)

- Larger floor area without joints (up to 150m2 for unheated floors and 100m2 for heated floors.)

- Foot traffic after 24–48 hours

- Exceptional Thermal Conductivity

- Can be applied in wet areas.

- Reduced drying times (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

Mobicem Therm Screed is designed for use as a bonded thick 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 optimize the mix design before work commences. The sand used should be of an approved quality and grading. The screed is a blend of Mobicem Binder, cement, sand & water. The mix proportions depend on the sand available. When Mobicem screed is installed as per installation guidelines in a sealed/weather tight area; it will not require any curing agent sprayed onto its surface. If the screed will be exposed to any wind/drafts or excessive sunlight then a suitable evaporation control spray(e.g. Cemfloor EC) may need to be sprayed onto the screed surface. Please contact our Technical Team for any further information.

Application

Mobicem 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 who has been approved to place Mobicem. The freshly poured screed will need to be levelled using a dappling bar, ensuring to dapple the surface in two passes at 90º.

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

Mobicem Therm 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. Mobicem screed 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

Mobicem Therm is produced in an ISO 9001 quality-controlled environment. Mobicem Therm Screeds meet the requirements of EN 13813:2002 'Screed Material for Floor Screeds'.

Screed Specification	EN 13813:2002
Compressive Strength	C20, C25, C30
Flexural Strength	F4, F5, F6
Minimum Thickness	Bonded: 20mm Unbonded: 30mm Floating: Domestic: 35mm Commercial: 40mm Over underfloor heating pipes: 25mm 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