

LONGFLOOR INTEGRACURE TECHNICAL DATA

Longfloor IntegraCure is a limestone based binder that when mixed with cement, sand and water produces a free-flowing cementitious screed. It is suitable for all types of flooring applications. IntegraCure has been formulated to negate the need for a spray applied curing agent to be used.

Technical Information

Longfloor IntegraCure is produced in an ISO 9001 quality-controlled environment and meets the requirements of BS EN 13813:2002.

Compressive Strength	C20, C25, C30
Flexural Strength	F6
Drying Shrinkage	≤500µm/m or 0.05%
Fresh Wet Density	2,100-2,200kgs/m ³
Dry Density	1,950-2,050kgs/m ³
Flow Range	260-280mm
Surface Regularity	SR2 - BS8204-7
Foot Traffic	24-48 hours
ISCR Test	Category A
Bay Sizes	Unheated - 250m ² , Heated - 100m ²
Thermal Conductivity	1.9W/m.K to 2.6W/m.K (dependant on raw material package)

Thickness Information

Bonded	25mm
Unbonded	30mm
Floating (on insulation)	40mm
Cover to UFH pipes	25mm
Maximum	100mm

Drying Times

Longfloor IntegraCure will be suitable to receive non-moisture sensitive floor finishes between 14-21 days. In ideal conditions (20°C and 65% relative humidity) the screed will have achieved 75% RH (2.5% CM) at 21 days. Underfloor heating systems can be turned on after 10 days (*please consult our aftercare guidance document for guidelines*). These values are based on a screed thickness up to 50mm.

Sanding

Longfloor IntegraCure requires no sanding prior to the application of floor finishes as it produces no surface laitance. Industry guidance suggests all screeds should be lightly abraded prior to the application of floor finishes in accordance with the Contract Flooring Association. Longfloor IntegraCure is compatible with all types of primers, grouts and adhesives. Longfloor IntegraCure is not intended to be a wearing screed.

Jointing

Bay Sizes - maximum bay size between 200-250m² for non heated and 100m² when underfloor heating is present. This is dependent on length to width ratio and shape of area to be poured. Consideration should always be made for the allowance

of joints when the length to width aspect ratio exceeds 4:1, across doorway thresholds, where there are columns, pipes etc. projecting through the screed and where there is a change in the underfloor heating zone (if applicable).

Placing and Curing

The building should be fully weather proof before pouring commences. Where applicable, especially on ground floors and if not bonded, there must be a damp-proof membrane below the screed or base. The screed should only be laid when the internal air temperature is between 5°C and 30°C.

The freshly poured Longfloor IntegraCure screed is levelled using a dappling bar, ensuring two passes are undertaken 90 degrees to each other.

The floor should not be subjected to severe draughts, direct sunlight or heating for the first 24-48 hours to prevent rapid drying during this important early stage. After placing, the room in which the screed has been laid should be sealed therefore for a minimum of 48 hours, the room will be suitable for light foot traffic after this period and can be worked on after 72 hours.

Drying

The ambient conditions must be suitable for the drying of the screed with low air humidity (preferably 60% RH or less) and good ventilation. Before floor finishes are laid, the moisture content of the screed should be ascertained to be at, or below the required level. Underfloor heating systems can be commissioned after 10 days

Environmental

Longfloor IntegraCure binder contains 95% recycled content as verified under ISO 14021. Certificate available on request.