

Supaflo | TimBRE

technical datasheet

A self compacting flowing screed for acoustic and non-acoustic flooring systems

Supaflo TimBRE is a self compacting flowing screed based on an anhydrite binder. It is manufactured in a quality assured process using specialist binder and selected aggregate. It is specifically intended for use in acoustic and non acoustic flooring systems which use timber joists as their primary supporting structure.

Supaflo TimBRE can be used with either warm water or electric underfloor heating systems in both commercial and residential developments. Its use will help to improve the acoustic performance of the floor to meet or exceed the requirements set out in Part E of the building regulations. Supaflo TimBRE will also improve the environmental, fire resistance and durability characteristic and provide timber supported floor that feels like concrete.

Supaflo TimBRE is designed to be used in conjunction with a resilient acoustic insulation layer.





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Site work

Supaflo TimBRE is delivered to site ready mixed, once tested and if required, the flow adjusted. It should then be pumped directly to the point of use.

A typical, well maintained, worm pump should be able to deliver the product 100m horizontal and 30m vertical and discharge a 5m³ load in approximately 30 minutes.

Supaflo TimBRE is finished using lightweight dapple bars (15 to 30mm Ø) the product should be dappled twice in adjacent directions.

Supaflo TimBRE should only be used if the building envelope is complete; doors and windows should be in place and must be closed for the first 24 to 48 hours after installation.

Typical floor build up

Supaflo TimBRE can be installed on separating floors that comprise:

- Minimum 240mm engineered I joist
- Minimum 18mm OSB boards
- Approved acoustic resilient insulation
- Polythene separating layer (500 gauge minimum)
- Optional underfloor heating elements
- Supaflo TimBRE screed.

Performance

Working time	Batched, transported, placed and finished within 3 hours
Foot Traffic	24 to 48 hours
Loading	5 to 7 days
Drying time	Approximately, 1mm per day up to 40mm, then 0.5mm per day
Forced drying	Can be forced dried after 7 days using the underfloor heating system or temporary dry source heater or dehumidifiers. Forced drying will reduce drying times.

Performance (continued)

Thickness (min)	Floating inc. underfloor heating – 25mm cover above pipes or cables
	Most underfloor heated screed are installed 45 to 55mm thick

Technical*

Appearance	Off white fluid mortar
Density	Plastic 2150 - 2250kg/m ³ Dry 1950 - 2050Kg/m ³
Strength (28 day)	CA C35 – F7
Flow	230 to 270mm (BS8204:7 Annex A, Truncated cone)
Reaction to fire	Class A1 _{fl} non combustible

Environmental*

Recycled content	Binder 98% Mortar up to 40%
Carbon emissions	Binder 10 to 20kg per tonne Mortar 20 to 40kg per m ³
VOC	Virtually zero
Recyclability	100%

*Figures provided by LKAB Minerals

This product range can be found in the following resources and supported with an approved CPD presentation:

