

# HIGH QUALITY ANHYDRITE FLOOR SCREED FOR TIMBER JOISTED STRUCTURES

# TimBRE DATASHEET

## DESCRIPTION

Roadstone TimBRE Quick Floor Screed self compacting flowing screed is made to exacting standards by quality assured manufacturers to BS EN 13813:2002. It is a combination of high quality **Gypsol** binder, specially selected sands, water and special additives where required. It is designed specifically for use in acoustic and non acoustic flooring systems which use timber joists as their primary supporting structure.

Roadstone TimBRE Quick Floor Screed is suitable for the encapsulation of an underfloor heating system, either electric or warm water. Roadstone TimBRE Quick Floor Screed is suited to both residential and commercial properties, and will help to improve the acoustic performance of the floor to meet or exceed Part E of the building regulations. Roadstone TimBRE Quick Floor Screed also improves the environmental, fire resistance and durability characteristics and gives a concrete feel to a timber supported floor.

Where Roadstone TimBRE Quick Floor Screed is designed to be used in conjunction with a compressible, or an acoustic resilient insulation, an acoustician should be consulted to approve the design prior to installation where acoustic performance is required.

**It is essential that the timber supporting structure is suitably engineered to accommodate the increased loading associated with the screed.**

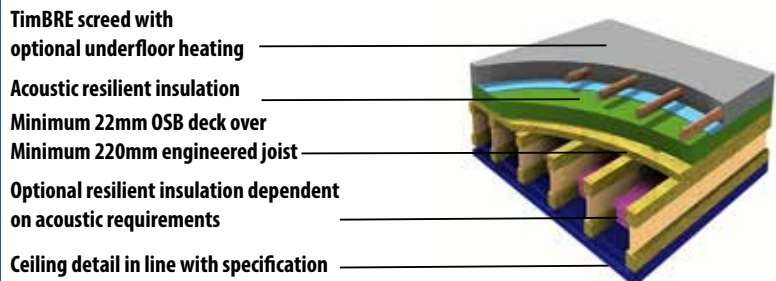
## PHYSICAL DATA

<b>Appearance</b>	Off white fluid mortar
<b>Density</b>	Wet 2200kg/m <sup>3</sup> Dry 2000kg/m <sup>3</sup>
<b>Min Strength (28 days) kN/m<sup>2</sup></b>	C30 F6
<b>Required Flow (EN 13454-2)</b>	230mm to 270mm
<b>Reaction to Fire</b>	Class A <sub>1</sub> non combustible

## PERFORMANCE DATA

<b>Working Time :</b>	place and finish within 3 hours of batching
<b>Foot Traffic</b>	24 to 48 hours
<b>Loading</b>	5 to 7 days
<b>Drying (50mm depth)</b>	At 20°C and 60% RH - 28 days <sup>[1]</sup> Active force drying - 13 days <sup>[1]</sup>  Drying times vary dependent on screed depth, ambient conditions and suitability of the building envelope.  <sup>[1]</sup> Independently tested and verified by Action Dry Ltd. Full report available on request.
<b>Force Drying</b>	Can be force dried after 7 days

## TYPICAL APPLICATION SCHEMATIC



<b>Recycled Content</b>	Binder 98% Mortar up to 40%
<b>Carbon Emissions</b>	Binder 10 to 30kg/tonne Mortar 30 to 50kg/m <sup>3</sup>
<b>VOC</b>	Virtually zero
<b>Recyclability</b>	100%

## HEALTH AND SAFETY DATA

Roadstone TimBRE Quick Floor Screed are delivered to site ready to use via offsite mixing plants, removing the need for labour intensive site mixing and associated mixing equipment.

Roadstone TimBRE Quick Floor Screed are pumped directly to where they are needed, removing much of the manual handling operations required to install other screeds. Roadstone TimBRE Quick Floor Screed are generally pumped using equipment with closed or grilled dispensing hoppers, removing risk of contact with moving machinery. Roadstone TimBRE Quick Floor Screed are finished using a lightweight dapping bar requiring no secondary compaction, thus removing most of the physical work needed to lay other screeds. This significantly reduces the negative impact on the musculoskeletal system of installing contractors. For material safety information please see the relevant health and safety data sheets.



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