

ECOSCREED STANDARD

A PRE-MIXED ECO-FRIENDLY FLOWING CALCIUM SULPHATE THICK SECTION INTERNAL FLOOR SCREED (UNBONDED FORMAT Min 30mm)

Description

Ecoscreed is a pre-mixed, bulk flowing floor screed based upon a special hard variety of calcium sulphate. The product is eco-friendly and incorporates more than 65% recycled glass sand.

The screed can be laid thinner than conventional screeds and up to 1000m² per day at 30mm can be achieved, thereby making it highly competitive in overall time and cost savings compared with conventional sand and cement screeds

It should be installed either as an unbonded screed or as a floating system in both new and refurbishment projects.

Ecoscreed is ideal for use where underfloor heating and cavity floor systems are being installed, as the very fluid nature of the flowing screed allows full contact with the heating pipes and cavity floor elements,

Ecoscreed has a compressive strength of > 10 N/mm² at 1 day and > 20 N/mm² at 28 days. Ecoscreed is delivered in bulk format direct to site via our 20 tonne capacity mixer trucks or for smaller contracts via 1 tonne pallets (40 x 25kgs bags). The product is only mixed and placed once the vehicle has arrived on site.

Ecoscreed is suitable for all types of floor covering but should not be used as the final floor finish.

It is recommended that prior to the laying of the final finish that the surface should be primed using Primer AP 1000 and the primer allowed to fully dry.

Application

- *Unbonded*
 - Minimum thickness of 30mm
 - Fix 5 to 10mm border edging strip to all walls
 - Use lapped single sheet polythene not less than 500 gauge
 - Use unfolded polythene on rolls (folds act as crack inducers)
 - Tape all overlapped polythene edges except at border edge
- *Floating*
 - Minimum thickness of 35mm
 - Polythene to be placed on top of insulation
 - Insulation to be laid in accordance with the manufacturers Recommendations
- *Under Floor Heating System*
 - Minimum screed thickness clearance over heating pipes to be 30mm
 - Heating pipes should be secured from lifting
- *Thin Section Coverings*

- If there is a requirement for direct fixing of thin section final finishes, such as vinyl, linoleum, etc. then the floor should be lightly sanded after 24 hours to remove any surface imperfections.
- *Need For Joints*
 - Underfloor Heating: Suitable joints to be made
 - Unbonded: Joints are needed when the length to width ratio is less than 3:1.
- *Reinforcement* - No requirement for reinforcement
- *Curing* - Protect from draughts
- *Compressive Strength* - 10 N/mm² at 1 day 15 N/mm² at 7 Days 20 N/mm² at 28Days
- *Flexural Strength* - 3 N/mm² at 1 day 5 N/mm² at 7 Days 8 N/mm² at 28Days
- *Yield* - 1.85 kg/mm/m²
- *Mixing Water* - 3.75 litres per 25kg bag / 15% of dry powder weight
- *Shelf Life* - 12 months

Benefits

Available to site via Ecoscreed mobile mixer pump truck

The new Ecoscreed mixer pump truck facility allows for continuous mixing of the screed only when the truck has been located on site. (Ready-mix calcium sulphate screeds can create real problems on site caused by the screed starting to set during its delivery to site)

For the Client & Architect

- Guaranteed minimum strength of 20 N/mm²
- Fully pumpable system saves time
- Reduced contract costs through time saved
- No curling or shrinkage cracking
- No reinforcement required
- Rapid occupancy of buildings
- Ideal for under floor heating systems due to self compaction.
- Eco-friendly containing > 65% recycled glass

For the Contractor

- Delivered by bulk mixer pump truck
- No need for reinforcement
- No mechanical compaction needed
- Screed laid with minimum joints
- Mixed fresh on site
- No hose or pump required on site
- Metered quantity, you get what you pay for

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