

The Energy Saving Screed Co Ltd: Tel: 01372842102

M13 CALCIUM SULFATE BASED LEVELLING SCREEDS

110 PROPRIETARY TROWELLED LEVELLING SCREEDS:

Ecoscreed Standard Code 6 : Zero Carbon Flowing Screed

A pre-mixed, bulk flowing floor screed based upon a special hard variety of calcium sulphate. The product is eco-friendly and incorporates 100% replacement of natural sand by recycled glass sand. □The screed can be laid thinner than conventional screeds and up to 1000 m² per day at 50 mm 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 un-bonded screed or as a floating system in both new build and refurbishment projects. Ecoscreed Standard is ideal for use where under-floor heating and cavity floor systems are being installed, as the fluid nature of the flowing screed allows full contact with and encapsulation of the heating pipes and floor elements. Ecoscreed Standard Code 6 is suitable for all types of floor covering but should not be used as the final floor finish.

Applications:

Un-bonded:

- Minimum thickness: 30 mm.
- Fix 5 to 10 mm 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 40 mm.
- 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 top of heating pipes to be 30 mm.

- 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:

- Under-floor Heating: Suitable joints to be made.
- Un-bonded: Joints are needed when the length to width ratio is less than 3:1.

Compressive strength: > 10 N/mm² at 1 day; > 25 N/mm² at 28 days.

Flexural strength: 3 N/mm² at 1 day; 5 N/mm² at 7 days; 8 N/mm² at 28 days.

Yield: 1.85 kg/mm/m²

Reinforcement: No requirement for reinforcement.

Ecoscreed Ltd can also provide a design and specification service and it is recommended that they are consulted early in the design process.

Manufacturer:

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Product reference: Ecoscreed Standard Code 6

Screed construction: Unbonded, as clause 250. Floating, as clause 260. Floating, as clause 265.

Reinforcement for crack control: Not required.

Thickness: Minimum: 30 mm unbonded. 40 mm floating. 30 mm over top surface of under floor heating pipes

Mix: Proportions (alpha-hemihydrate CaSO₄. 1/2H₂O): Pre-mixed.

In situ crushing resistance (ISCR) category: Consult with Ecoscreed for recommendations and details.

Flatness/ Surface regularity: Maximum permissible deviation: Consult with Ecoscreed for recommendations and details.

Finish: Dappled. **To receive:** Lightly sand the screed surface after 24 hours to remove any surface imperfections before laying thin floor coverings such as vinyl or linoleum.