The Energy Saving Screed Co Ltd Tel: 01372842102

M10 CEMENT BASED LEVELLING/WEARING SCREEDS

130 PROPRIETARY QUICK DRYING LEVELLING SCREEDS TO . . . . .

ECOSCREED RAPID Code 6 : Zero Carbon Flowing Screed

A premixed, protein free, rapid drying internal flowing pumpable screed, specifically designed for thick section flooring applications where speed of return to service is of the essence. Ecoscreed Rapid incorporates 100% replacement of natural sand by recycled glass sand and is therefore a more environmentally friendly floor screed than any others containing conventional quarried aggregate or sand. Ecoscreed Rapid has been designed to solve the problem of slow drying times associated with existing pumped alpha-hemihydrate / anhydrite calcium sulphate or sand and cement screeds. The material can be walked on after 4 hours at a thickness of 30 mm and final floor finishes can be applied after 7 days at 20°C. It can be laid thinner than conventional screeds and up to 1000 m^2 per day at 50 mm can be achieved. The screed can be installed as either a bonded, unbonded or floating system in both new build or refurbishment projects. The material is ideal for cavity systems and under floor heating installations.

Applications:

Bonded to sound concrete primed substrate:

- Minimum thickness: 10 mm.– Maximum thickness: 30 mm.– Prime substrate with Ecoscreed Primer AP1000.

Unbonded over a solid base:

- 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 over thermal or sound insulation:

- 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 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, or where continuous areas exceed 40 metres in length.

- Compressive strength: > 12 N/mm² at 1 day; > 25 N/mm² at 28 days.

- Flexural strength: 2.5 N/mm² at 1 day; 3.4 N/mm² at 7 days; 5 N/mm² at 28 days.

- Yield: 1.85 kg/mm/m2

- Reinforcement: No requirement for reinforcement.

- Consult with Ecoscreed Ltd technical literature for details. Ecoscreed Ltd can also provide a design and specification service and it is recommended that they are consulted early in the design process.

Screed manufacturer:

The Energy Savcing Screed Co Ltd Tel: 01372842102 Fax: 01372 842 682.

Email: ecoscreed@btinternet.com Web: www.ecoscreed.co.uk

Product reference: Ecoscreed Rapid Code 6

Screed construction: Fully bonded, as clause 260. Unbonded, as clause 280. Floating, as clause 290 / 295.

Reinforcement for crack control: Not required.

Thickness: Nominal:.**Minimum:** 30 mm. – for unbonded. 40 mm. – for floating. 30 mm clearance over under floor heating pipes.

Mix: Cementitious: Pre-mixed **Proportions:** To manufacturer's recommendations.

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

Mass of test weight: Consult with Ecoscreed for recommendations and details.

Flatness/ Surface regularity: Maximum permissible deviation: Consult with Ecoscreed for recommendations and details but generally BS8204 SR2

Finish: Dappled. : Diamond grind and seal as required 2 coats of Ecoscreed PU Sealer (Roller applied)and allow 1st coat to fully dry for 24 hours prior to applying the 2nd coat).)

To receive: Lightly sand surface after 24 hours to remove any surface imperfections before laying thin finishes.