



# Ecoscreed

THE **FLOWING** SCREED SPECIALISTS

## **Ecoscreed RAPID Flowing Screed**

Ecoscreed Rapid is a pre mixed, 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 has been designed to solve the problem of slow drying times associated with existing pumped Anhydrite Calcium Sulphate or sand and cement screeds. The material can be walked on after 8 hours at a thickness of 30mm and final floor finishes can be applied after 7 days at 20°C.

Ecoscreed Rapid is ideal for use where under floor heating is being installed because of the fluid nature of the flowing screed, which allows full contact with and encapsulation of the heating pipes and floor elements.

It can be laid thinner than conventional screeds and up to 200m<sup>2</sup> per day can be laid at a depth of 50mm. 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 under floor heating installations.

**Applications:** (Ambient temperature to be a minimum of 5 degrees centigrade).

### **Bonded to sound concrete primed substrate:**

- Minimum thickness: 10 mm - Maximum thickness: 30 mm.

### **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/mm<sup>2</sup> at 1 day; > 25 N/mm<sup>2</sup> at 28 days.

**Flexural strength:** 2.5 N/mm<sup>2</sup> at 1 day; 5 N/mm<sup>2</sup> at 28 days.

**Yield:** 1.85 kg/mm/m<sup>2</sup>.

**Reinforcement:** No requirement for reinforcement.