ENVIROSCREED

FROM FOGGS FLOORS LTD

The latest advances in recycling technology has led to the development of **Enviroscreed**, a free flowing screed, free from Portland cement that will flow and compact around underfloor heating pipes without segregation. **Enviroscreed** uses the next generation of plasticisers combined with rheology modifiers that impart high workability whilst retaining cohesion in the screed. The result is a highly stable mixture that makes light work of screeding operations.

Enviroscreed Benefits

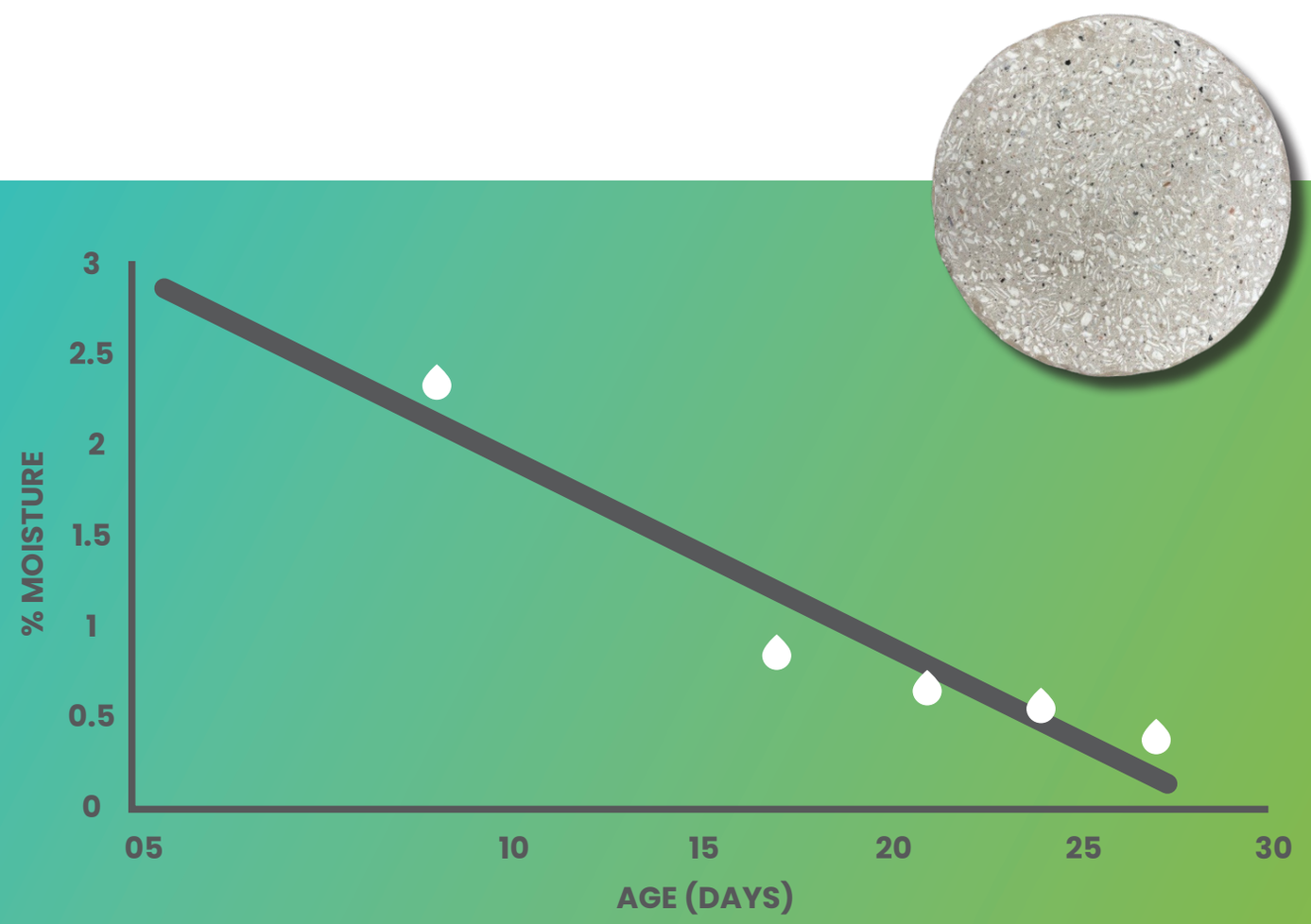
- **100% recycled** aggregates
- **Lightweight** - 10% lighter that conventional flowing screed
- **Carbon neutral** (locks carbon away in plastic)
- **Pumpable**
- **Dries 1mm per day** up to 40mm and 2 days per mm after up to 75mm
- **Labour reduction** - less manpower compared to conventional screed
- **Fast placement** - just manual consolidation with dapping tool
- **Minimal effort for compaction** - leading to less voids and better bonds to heating pipes leading in turn to improved heat transfer
- **Accelerates project schedules** as it speeds up construction.

Application Areas

- **House floor slabs – SR2 flatness once ground**
- **Ideal for commercial buildings**
- **Bonded, unbonded or floating floors**
- **Composite steel deck flooring**
- **Precast units**

Enviroscreed Technical Data

• Flexural strength at 28 days	4N/mm2
• Thermal expansion	0.012mm/moK
• Drying shrinkage at 28 days	0.02%
• Thermal conductivity	2.0w/mK +/- 0.2
• Fire Rating	Non-combustible
• In-Situ Impact Resistance	Category B
• Fresh Wet Density	Typically 1,900kg/m3
• Dry Density	Typically 1,750kg/m3
• Binder	BS EN 13279
• Aggregates	BS EN 12620/Recycled plastic/ Recycled sand
• Typical Working time	90 minutes
• Typical Flow	220 - 270mm



Typical drying rate at 20oC and 65% RH of **Enviroscreed**

Application Method

Good screeding requires good preparation. For bonded construction, all surfaces to receive **Enviroscreed** must be stable, free of contaminants or loose materials such as paint, grease or dirt.

Un-bonded construction on for example, well compacted and sand-blinded hardcore will require such base to be lined with 800 – 1200-gauge polythene. Rolled rather than folded polythene is preferable as some folds could act as crack inducers. Overlaps should be at least 100mm and taped.

Perimeters must be isolated using for example, minimum 5mm polyethylene foam.

Construction joints will be required at suitable intervals to cater for movement.

Pour **Enviroscreed** and compact to level. Use a dappling bar, a hard pass in one direction followed by a softer pass at right angles to the first pass.

On completion, ensure room is isolated from external sources of moisture and drying breeze for at least the first 24 hours.

Screed surface must be ground within 7 days to grind flat and open surface to help drying.

Screed can be forced dried after 7 days using Underfloor heating.

Caution: if ambient temperature is likely to exceed 25 degrees on the day of the screed.

Supply

Enviro screed is laid by approved contractors trained in its application.

Technical Support

Technical support is available on our main number **01204 594 926** for:

- Customers and specifiers requiring additional information or advice on the use of **Enviroscreed**
- Project specific advice
- Any other enquiry.

Note: The information presented herein is based on the best available knowledge. Every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because field results depend on other factors beyond our control.