

## Ryescreed Quartz Anti-stat

### Epoxy Screed Flooring - FeRFA Type 6

Resin Screed Flooring >4mm

#### Description

Ryescreed Quartz Anti-stat is a multi-coloured mottled effect epoxy floor screed produced by the combination of clear epoxy resins and carbon coated pigmented quartz aggregates. Ryescreed Quartz Anti-stat is a chemically resistant and decorative floor surface. Static build up is prevented by allowing the charge to harmlessly dissipate through the floor surface at a controlled rate.

Many industrial processes will create stray static electrical charges. In areas where damage to equipment might result from electrostatic accumulation, or prevention of an accumulation generated by the movement or processing of powders and liquids is required, there will be the need for static controlled floors.

ADVANTAGES & BENEFITS	TYPICAL AREA OF USE	TECHNICAL DATA (N/mm <sup>2</sup> )	
<ul style="list-style-type: none"> <li>✓ Hard wearing</li> <li>✓ Decorative</li> <li>✓ Anti-Static</li> <li>✓ Chemically resistant</li> </ul>	<ul style="list-style-type: none"> <li>✓ Powder production areas</li> <li>✓ Electronic environments</li> <li>✓ Dry food preparation areas</li> <li>✓ Pharmaceuticals</li> <li>✓ Laboratories</li> <li>✓ Clean Rooms</li> </ul>	Compressive Strength	65-70
		Tensile Strength	9-10
		Flexural Strength	25-30
		Slant Shear Bond Strength	35
		Flame Spread (BS476 Part 7)	Class 2
		Slip Resistance	Medium

#### Composition

Clear solvent free epoxy resin combined with graded carbon coated coloured quartz aggregates.

#### Appearance

Multi-coloured mottled slightly slip resistance finish.

#### Durability

Ryescreed Quartz Anti-stat exhibits the highest order of abrasion resistance.

#### Thickness

Nominal 4mm.

#### Colours Available

A small selection of colour choices are available, please contact our Sales Team for a colour chart.

## Ryescreed Quartz Anti-stat

### Substrates

Ryescreed Quartz Anti-stat adheres well to concrete, grano and high strength screeds.

### Surface Preparation

To be assured of maximum adhesion and properties from Ryebrook resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD102.

### Application Conditions

15-20°C.

### Priming

Use Ryeprime Anti-stat. Please refer to technical data sheet reference TD001. The use of copper tape may be required to aid dissipation of electrical charges to earth and are installed prior to the application of the Ryeprime Anti-stat.

### Mixing

Ryescreed Quartz Anti-stat is a three pack product. Mix the hardener component well into the resin for a period of 1 minute. Transfer the mixed resin into a rotary drum mixer and add the aggregate slowly until evenly wetted.

### Application Technique

Ryescreed Quartz Anti-stat should be applied directly into uncured wet Ryeprime TC. The mortar is spread to an even thickness and the surface closed using a steel float.

### Sealing

Ryescreed Seal Clear is used to seal Ryescreed Quartz Anti-stat as follows.

#### Sealing (1st Coat)

Apply Ryescreed Seal using a dense polypropylene squeegee to force the seal into the surface and to grout any open areas. Pull down any excess seal to leave the surface with an even, thin, transparent surface film. Finish by back rolling with a semi-dry roller. Allow to cure overnight.

#### Sealing (2nd Coat)

Apply Ryescreed Seal using a dense polypropylene squeegee to force the seal into the surface and to grout any open areas. Pull down any excess seal to leave the surface with an even, thin, transparent surface film. Finish by back rolling with a semi-dry roller. Allow to cure overnight.

### Specification Detail

1. Ryeprime AS 225/m<sup>2</sup> depending on porosity
2. Blind with conductive aggregate
3. Ryescreed Quartz AS 2kg/m<sup>2</sup> per 1mm thickness
4. Ryescreed Seal Clear 1 coat nominal 150g/m<sup>2</sup>
5. Ryescreed Seal Clear 1 coat nominal 140g/m<sup>2</sup>

### Cure Schedule @20°C

Usable Life	30-40 mins
Initial Set	8-10 hours
Full Cure	7 days
Foot Traffic	48 hours
Heavy Traffic	72 hours

### Additional Technical Data Information

Ryescreed Quartz Anti-stat has been measured in accordance with the test method laid out in BS2050. This test method is a point to point surface resistance test.

Typical Test values - 5 X 10<sup>4</sup> - 2 x 10<sup>6</sup> ohms

Performance testing (resistivity). Once laid and chemically cured, the system MUST be trafficked and cleaned in accordance with our recommendations. At least 7 to 12 days must have elapsed and full trafficking including cleaning carried out before test readings are taken.

### Maintenance

Ryescreed Quartz Anti-stat can be maintained in its original condition providing contamination is not allowed to build up and the floor is regularly scrubbed using proprietary cleaners.

### Health and Safety

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

### Storage, Mixing and Application

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference TD104.

### Further Technical Advice

For further information on this or any other Ryebrook product, please contact our Technical Department on 01634 957520 or email [info@ryebrook.co.uk](mailto:info@ryebrook.co.uk)