

## Ryescreed Quartz



### Epoxy Screed Flooring - FeRFA Type 6

*Resin Screed Flooring >4mm*

#### Description

Ryescreed Quartz is a multi-coloured mottled effect epoxy floor screed produced by the combination of clear epoxy and polyurethane resins and pigmented quartz aggregates.

#### ADVANTAGES & BENEFITS

- ✓ Decorative finish
- ✓ Hard Wearing
- ✓ Slip Resistant
- ✓ Rapid Curing Grades Available
- ✓ Can be rendered to walls
- ✓ Can form coved skirting

#### TYPICAL AREA OF USE

- ✓ Food Preparation Areas
- ✓ Pharmaceuticals
- ✓ Work Canteens
- ✓ Laboratories
- ✓ Toilet Areas
- ✓ Retail
- ✓ Prisons
- ✓ Police Stations
- ✓ Veterinary practices

#### TECHNICAL DATA (N/mm<sup>2</sup>)

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	Low - Medium

#### Composition

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

#### Appearance

Multi-coloured mottled slightly slip resistance finish.

#### Durability

Ryescreed Quartz exhibits the highest order of abrasion resistance.

#### Thickness

Nominal 4-6mm.

Thicknesses greater than 6mm should be infilled with Ryescreed and a final 6mm applied to provide a smooth well compacted finish.

#### Radius Cove Skirting

Coves up to a maximum of 3-4mm thick may be applied using standard Ryescreed Quartz.

#### Wall Application

The system can be applied to flat smooth walls to a great height if required

#### Colours Available

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

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### Substrates

Ryescreed Quartz adheres well to concrete, high strength screeds, grano or marine ply (subject to thickness and fixings)

### 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

15-30°C.

### Priming

Use Ryepime SF or TC. Please refer to technical data sheet reference TD002 or TD001.

### Mixing

Ryescreed Quartz 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 should be applied directly onto an aggregate scattered tack free Ryepime SF. 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 as follows:

Sealing (1st Coat) - Apply Ryescreed Seal Clear 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 Clear using a dense polypropylene squeegee followed by a non-absorbent roller. Pull down as tight as possible to leave a completely sealed, thin, transparent surface film taking care to avoid pooling or roller/squeegee marks.

### Coverage Rates

	4mm	6mm
Ryepime SF	4m <sup>2</sup> /kg	4m <sup>2</sup> /kg
Ryescreed Quartz	8kg/m <sup>2</sup>	12kg/m <sup>2</sup>
Ryescreed Seal Clear	4m <sup>2</sup> /kg	4m <sup>2</sup> /kg
Ryescreed Seal Clear	6m <sup>2</sup> /kg	6m <sup>2</sup> /kg

### Specification Detail

1. Ryepime SF 225-350g/m<sup>2</sup> depending on porosity.
2. Ryescreed Quartz 2kg/m<sup>2</sup> per 1mm thickness.
3. Ryescreed Seal Clear 2 coats nominal 400g/m<sup>2</sup>.

### Cure Schedule @20°C

Usable Life	30-40 mins
Initial Set	8-10 hours
Full Cure	7 days
Foot Traffic	24 hours
Heavy Traffic	3 days

### VOC Levels

#### Ryepime SF

Calculated VOC Content (g/litre): 115.00

Quantity to be used: 155m<sup>2</sup> @ 0.125kg per m<sup>2</sup>

#### Ryescreed Quartz

Calculated VOC Content (g/litre): 35.1

Quantity to be used: 155m<sup>2</sup> @ 0.125kg per m<sup>2</sup>

### Maintenance

Ryescreed Quartz 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)