

RYESCREENED EPOXY FLOOR SCREED



DESCRIPTION

Ryescreed is a conventional highly filled epoxy resin quartz aggregate screed mortar for application to industrial floors which are subject to heavy traffic and light chemical attack.

Ryescreed cures rapidly to give a heavy duty floor finish with excellent abrasion resistance.

Composition

Coloured solvent free epoxy and graded quartz aggregate mortar.

Appearance

Ryescreed unsealed has a mottled effect with a base background colour providing a slightly textured surface. Ryescreed sealed has a slightly textured even coloured finish.

Durability

Ryescreed 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.

TYPICAL INSTALLATIONS

Ryescreed is used as a floor finish and repair mortar in areas where heavy continual wear is prevalent such as engineering workshops, warehouses, trucking lanes, test houses, etc. It should not be used where steam cleaning is required or in areas of high chemical spillage. Please refer to data on Ryecrete and Ryeflor HF for heavy duty and chemical resistance combined.

Substrates

Ryescreed adheres well to concrete and grano.

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

5-30°C.

Priming

Use Ryeprime TC. Please refer to technical data sheet reference TD001.



Mixing

Ryescreed is a three pack product. Mix the hardener component well into the resin with a slow speed paddle mixer for a period of 1 minute until even coloured. Transfer the mixed resin into a rotary drum mixer and add the aggregate slowly until evenly wetted.

Application Technique

This product is laid in compliance with BS 8204-6 Type 6. Ryescreed should be applied directly into uncured wet Ryepriime TC. The mortar is spread to an even thickness and the surface closed using a steel float.

Sealing

Ryescreed requires sealing to provide a non-porous surface.

Ryescreed Seal is a thixotropic seal coat which is applied to the cured Ryescreed mortar to totally grout and seal the surface. Please refer to technical data sheet reference TD043.

Ryeseal Matt is a final seal coat used to provide a matt silk finish. Please refer to technical data sheet reference TD047.

Coverage Rates

	4mm	6mm
Ryepriime TC	4m ² /kg	4m ² /kg
Ryescreed	8kg/m ²	12kg/m ²
Ryescreed Seal	4m ² /kg	4m ² /kg
Ryescreed Seal	6m ² /kg	6m ² /kg
Ryeseal Matt	8m ² /kg	8m ² /kg

SPECIFICATION DETAIL

1. Ryepriime TC 225-350g/m² depending on porosity.
2. Ryescreed 2kg/m² per 1mm thickness.
3. Ryescreed Seal 250g/m².
4. Ryescreed Seal 160g/m²
5. Ryeseal Matt 125g/m².

Maintenance

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

Cure Schedule @ 20°C

Usable life	30-45 mins
Initial Set	8-10 hours
Full Cure	7 days
Foot Traffic	12 hours
Heavy Traffic	2 days

Chemical Resistance

Ryescreed shows good chemical resistance but should not be used as a chemically resistant heavy duty finish as the screed is porous and if the seal coats become damaged chemical attack can occur. For heavy duty chemical resistance use Ryecrete technical data sheet reference TD044 or Ryeflor HF technical data sheet reference TD081.

Grades Available

FC, RC. Please refer to technical data sheet reference TD111.

Colours Available

All standard Ryebrook colours except White, Beige, Blue or Magnolia.

TECHNICAL DATA

Compressive Strength	65-70N/mm ²
Tensile Strength	9-10N/mm ²
Flexural Strength	25-30N/mm ²
Slant Shear Bond Strength	35N/mm ²
Flame Spread (BS476 Part 7)	Class 2

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 & Application

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

Technical Advice

For further information on this or any other Ryebrook product, please contact our Technical Department on 01293 565500.