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# RYECRETE HEAVY DUTY EPOXY FLOORING

## DESCRIPTION

Ryecrete is a heavy duty epoxy flooring designed to meet the demand for a completely non-porous, chemically resistant, slip resistant, seamless floor topping.

Ryecrete has been used in areas subject to constant cleaning with steam and hot water with no signs of failure.

## Composition

Solvent free resin and graded quartz aggregate mortar in a range of colours.

## Appearance

Slightly mottled coloured finish with a slip resistant textured surface.

## Durability

Excellent resistance to abrasion, impact and shock. Long term maintenance free durability.

## Thickness

6-9mm.

## TYPICAL INSTALLATIONS

Ryecrete is used in areas subject to heavy wear combined with chemical attack such as chemical plants, wet food processing, breweries, dairies, plating shops etc.

## Substrates

Concrete, grano, metals.

## 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 Ryepime TC. Please refer to technical data sheet reference TD001.

## Mixing

Ryecrete is a three pack product. Mix the hardener component well into the resin 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. Ryecrete should be applied directly into uncured wet Ryepime TC. The mortar is spread to an even thickness and the surface closed using a steel float.

## Sealing

Ryecrete does not normally require a seal coat. Light colours do however tend to show trowel burns and can look uneven. Ryetech Matt Silk seal is recommended to overcome the problem.

## Coverage Rates

	6mm	9mm
Ryepime TC	4m <sup>2</sup> /kg	4m <sup>2</sup> /kg
Ryecrete	12kg/m <sup>2</sup>	18kg/m <sup>2</sup>
Ryetech Matt	13m <sup>2</sup> /kg	13m <sup>2</sup> /kg

## SPECIFICATION DETAIL

1. Ryepime TC at 225-350g/m<sup>2</sup> depending on substrate.
2. Ryecrete at 2kg/m<sup>2</sup> per 1mm thickness required.
3. Ryetech Matt seal optional depending on colour.

## Maintenance

Ryecrete 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

Pot Life	30-45 mins
Initial Set	12 hours
Foot Traffic	24 hours
Heavy Traffic	2 days
Full Chemical Cure	7 days

### Chemical Resistance

Rycrete exhibits the highest order of chemical resistance, please refer to technical data sheet reference TD112.

### Grades Available

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

### Colours Available

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

### TECHNICAL DATA

Compressive Strength	63-75N/mm <sup>2</sup>
Flexural Strength	33-36N/mm <sup>2</sup>
Slant Shear Bond Strength	40N/mm <sup>2</sup>
Elastic Modulus	5.3-6.9KN/mm <sup>2</sup>
Tensile Strength	11.3-13.3N/mm <sup>2</sup>
Flame Spread BS476 Part 7: 1971	Class 2
Permeability	Nil 5 hours vacuum, 1 metre water
Freeze-Thaw 24, 36 & 72 hour cycle	No loss of adhesion 30 days -40°C to + 20°C

### 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.