



CI/SfB: (43) Pr4  
Issue No: 2  
Issue Date: MAR10  
Technical Data: TD031E

# RYEFLOW RAPID FLOW APPLIED MMA FLOORING

## DESCRIPTION

Ryeflow Rapid is a medium to heavy duty MMA resin floor finish providing a smooth, easily cleaned surface with excellent resistance to chemicals.

The smooth finish is obtained by finishing and smoothing the surface with a specially designed Ryebrook spiked roller.

The incorporation of abrasion resistant fillers in the MMA resin produces a floor finish with the highest order of wear resistance.

Four different products are available which use variable levels of fillers to enable Ryeflow Rapid to be applied at thicknesses from 2.5mm -6.0mm.

## Composition

3 pack solvent free epoxy resin and graded quartz aggregates.

## Appearance

Smooth silk solid coloured finish.

## Durability

Ryeflow Rapid exhibits the highest order of abrasion resistance.

## Thickness

2.5mm-6.0mm

## TYPICAL INSTALLATIONS

Ryeflow Rapid is ideal for areas subject to heavy wear but requiring a smooth easily cleanable surface such as storage areas, dry processing, engineering, laboratories etc.

## Substrates

Ryeflow Rapid adheres well to concrete, good quality screed, wood 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

Ryeflow is a free flowing liquid which increases in viscosity as the temperature lowers, To ensure optimum finish an ambient temperature in excess of 0°C should be provided.

## Priming

Ryepime Rapid at 400g/m<sup>2</sup>. Allow to cure prior to application of Ryeflow Rapid.

## Mixing

The use of a rotary drum mixer is essential to produce a smooth even finish. Mix the resin and catalyst hardener together thoroughly with a slow speed paddle mixer for at least 60 seconds until even coloured. Then add the Ryeflow Rapid aggregate filler slowly whilst mixing at the same time. Allow to mix for further 1 minutes.

## Application Technique

Spread the mixed Ryeflow Rapid to required thickness using a trowel and level using a Ryebrook spiked roller. Depending on the temperature it may be necessary to use the spiked roller after 5-10 minutes to ensure that all the air has been released.

## SPECIFICATION DETAIL

Ryepime Rapid to prime at 400g/m<sup>2</sup>.

Ryeflow Rapid at a nominal "" Thickness..

## Maintenance

Providing contamination is not allowed to build up, regular scrubbing and mopping will maintain Ryeflow Rapid floors satisfactorily. Ryeflow Rapid floors may be polished back to the original Silk finish in exactly the same way as vinyl or lino.

Ryebrook Resins Limited

Unit 4, Kelvin Business Centre, Kelvin Way, Crawley, West Sussex RH10 9SF

Tel: 01293 565500 – Fax: 01293 565472 – Email: [sales@ryebrook.co.uk](mailto:sales@ryebrook.co.uk) – Website: [www.ryebrook.co.uk](http://www.ryebrook.co.uk)



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### Cure Schedule @ 5°C

Pot Life (full unit)	10 minutes
Initial Set	1 hours
Foot Traffic	1 hours
Heavy Traffic	2 Hours
Full Chemical Resistance	2 Hours

### Chemical Resistance

Excellent chemical resistance. Please refer to technical data sheet reference TD112.

### Grades Available

FX, FC. Please refer to technical data sheet reference TD11.

### Colours Available

Limited range of standard colours..

### TECHNICAL DATA

Compressive Strength	36
N/mm <sup>2</sup>	
Flexural Strength	30
N/mm <sup>2</sup>	
Slant Shear Bond Strength	28
N/mm <sup>2</sup>	
Density	1.6
Elastic Modulus	3
kN/mm <sup>2</sup>	
Abrasion resistance	
Taber abrader with a H22 wheel 1kg load	
Revolutions: 100	Weight loss: 0.08g
Flame Spread	Class 2
(BS476 Part 7)	
Thermal Cycle 14 days 40°C at 100°C @ 24 hour cycle	
Showed no debonding or stress	
Ease of decontamination to BS4247: Part 1 Test A	"Excellent"

### 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.