

RYETECH RAPID HIGH BUILD MMA FAST CURE FLOOR COATING



DESCRIPTION

Ryetech Rapid is a high build MMA floor coating for concrete, grano, wood or asphalt. It has excellent abrasion and chemical resistance and provides a heavy duty coating for floors which will withstand many years of traffic.

The high build characteristics of Ryetech Rapid permit the application of coatings in excess of 0.25mm per coat. Two coats of Ryetech Rapid provide a build equivalent to almost 10 coats of conventional solvent containing coatings.

On rough and uneven concrete Ryetech Rapid can give a smooth and easily cleanable surface.

Composition

Ryetech Rapid is a two pack MMA resin of medium viscosity combined with abrasion resistant fine fillers.

Appearance

Ryetech Rapid provides a smooth silk surface finish in a range of colours.

Durability

Excellent long-term wear resistance can be expected from a two coat application.

Thickness

0.5mm to 1mm depending on application rate and number of coats.

TYPICAL INSTALLATIONS

Ryetech Rapid is used in areas requiring good wear and chemical resistance combined with economical cost. It is suitable for chemical plant storage areas, warehousing, toilet, laboratories, food preparation areas etc.

Substrates

Ryetech Rapid adheres well to concrete, grano, metals, wood and asphalts.

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

Ryetech Rapid is a fairly thick resin and although it will apply and cure at low temperatures, an ambient in excess of 0°C is preferable.

Mixing

Add full contents of catalyst hardener to full contents of resin container and mix with a slow speed paddle mixer for at least 2 minutes.

Application Technique

Apply by medium nap roller directly from a paint tray. Push the resin well into the surface making sure the floor is fully wetted and then pull back lightly with the roller to the required thickness. Use coverage rates as a guide to thickness.



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Coverage (Nominal 0.5mm)

1st coat approx 400g/m² (12.5m²/5kg)
2nd coat approx 250g/m² (20m²/5kg)

SPECIFICATION DETAIL

Two coats Ryetech Rapid at a nominal 0.5mm depending on requirement.

Maintenance

Ryetech Rapid treated floors can be readily cleaned using a proprietary cleaning solution.

Cure Schedule @ 20°C

| | |
|-------------------|------------|
| Pot Life | 10 minutes |
| Initial Cure Time | 1 hours |
| Intercoat Period | 1 hours |
| Foot Traffic | 2 hours |
| Full Cure | 2 days |

Chemical Resistance

Good resistance to a wide range of chemicals. Please refer to technical data sheet reference TD112.

Grades Available

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

TECHNICAL DATA

| | |
|--|-----------------------|
| Compressive Strength | 40N/mm ² |
| Flexural Strength | 28N/mm ² |
| Lap Shear Bond Strength | 15N/mm ² |
| Elastic Modulus | 3.9kN/mm ² |
| Ease of decontamination to BS4247:Part 1 Test A "Good" | |

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.