

RYETECH HIGH BUILD EPOXY FLOOR COATING



DESCRIPTION

Ryetech is a solvent free high build epoxy floor coating for concrete, grano 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 permit the application of coatings in excess of 0.25mm per coat. Two coats of Ryetech provide a build equivalent to almost 10 coats of conventional solvent containing coatings. This product is laid in compliance with BS 8204-6 Type 3.

Composition

Ryetech is a two pack solvent free epoxy resin of medium viscosity combined with abrasion resistant fine fillers.

Appearance

Ryetech provides a smooth gloss surface finish in a range of colours or clear.

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 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 adheres well to concrete, grano, metals 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 is a fairly thick resin and although it will apply and cure at low temperatures, an ambient in excess of 10°C is preferable.

Mixing

Add full contents of hardener container to full contents of resin container and mix with a slow speed stirrer 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.

Coverage (Nominal 0.5mm)

1st coat	approx 400g/m ²
2nd coat	approx 250g/m ²

Coverage (Nominal 1mm)-

1st coat	approx 400g/m ²
2nd coat	approx 900g/m ²



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SPECIFICATION DETAIL

Two coats Ryetech at a nominal 0.5-1mm depending on requirement.

Maintenance

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

Cure Schedule @ 20°C

Pot Life	30-45 minutes
Initial Cure Time	8-10 hours
Intercoat Period	8-24 hours
Foot Traffic	16-24 hours
Full Cure	7 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"
Slip Resistance	Wet 40
	Dry 75

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.