

Ryetech



Epoxy Floor Coating - FeRFA Type 3

High Build Floor Coating - 300 µm to 1000 µm

Description

Ryetech is a solvent free high build epoxy floor coating for concrete, Grano or asphalt screed providing a smooth gloss surface finish, suited to areas requiring good wear and chemical resistance combined with economical cost. 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.

ADVANTAGES & BENEFITS

- ✓ Excellent long term wear resistance
- ✓ Cure at low temperatures – ambient in excess of 10°C
- ✓ Good resistance to a wide range of chemicals

TYPICAL AREA OF USE

- ✓ Chemical plant storage areas
- ✓ Warehouse
- ✓ Toilets
- ✓ Laboratories
- ✓ Food preparation areas
- ✓ Walkways
- ✓ Car workshops
- ✓ Vehicle production areas
- ✓ Plant Rooms

TECHNICAL DATA (N/mm²)

Compressive Strength	40
Flexural Strength	28
Lap Shear Bond Strength	15
Elastic Modulus	3.9k
Ease of decontamination to BS247 Part 1 Test A	Good

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.

Chemical Resistance

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

Durability

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

Colours Available

A range of colour choices are available including a clear coating, please contact our Sales Team for a colour chart.

Ryetech

Substrates

Ryetech adheres well to concrete, grano, and screed.

Coverage Rates

1st Coat – Approx. 400g/m²

2nd Coat – Approx. 250g/m²

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.

Application Techniques

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.

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.

Specification Detail

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

Cure Schedule

Pot Life	30-45 mins
Initial Cure Time	8-10 hours
Intercoat Period	8-24 hours
Foot Traffic	16-24 hours
Full Cure Time	7 days

Maintenance

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

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 and Application

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

Further Technical Advice

For further information on this or any other Ryebrook product, please contact our Technical Department on 01634 957520 or email info@ryebrook.co.uk