

Ryecoat V



Vertical Grade Epoxy Coating - FeRFA Type 3

High Build Floor Coating 300 µm to 1000 µm

Description

Ryecoat V is a water based solvent free chemically resistant epoxy resin coating available in a range of attractive colours. It has good light stability and being solvent free is ideal for use as long-term protection in areas where solvent containing coatings should not be used. Surfaces coated with Ryecoat V have a semi-gloss silk finish. Ryecoat V is applied to cementitious renders, sound cured plaster finishes, brickwork and blockwork. Ryecoat V can be applied to fairly new cementitious substrates and is micro porous.

ADVANTAGES & BENEFITS

- ✓ Decorative coloured coating
- ✓ Also available as a clear dustproof seal

TYPICAL AREA OF USE

- ✓ Industrial wall surfaces
- ✓ Laboratories
- ✓ Wash Down Bays
- ✓ Farm Buildings
- ✓ Warehouses
- ✓ General Storage
- ✓ Exhibition areas
- ✓ Pharmaceutical
- ✓ Soft Drinks and Brewing Industries
- ✓ General Industrial Locations

TECHNICAL DATA

Fire Test Rating
BS476:Part 7:1987 (amended 1990) Surface Spread of Flame - Class 1 rating.
BS476:Part 6:1989 Flame Propagation - Class 0 rating to UK Building Regulations 1985, Section 15, Approval Document B2/3/4.
Calculated VOC Content (g/litre) – 0.5

Composition

Water miscible epoxy resin coating.

Appearance

Surfaces coated with Ryecoat V have a semi-gloss silk finish.

Durability

Ryecoat V will give excellent long-term protection compared to conventional paint systems.

Chemical Resistance

Please refer to technical data sheet reference TD112.

Colours Available

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

Ryecoat V

Substrates

Ryecoat V is applied to cementitious renders, sound cured and fully dried out, plaster finishes, brickwork and blockwork. It adheres well to concrete, render, brickwork, blockwork etc.

Surface Preparation

All wall surfaces must be protected by an adequate and effective DPM at the base of the wall or at the back of the wall in underground situations, and normally 95% Relative Humidity. However, application of a first protective coating can take place 48 hours after installing sand and cement wall renders for application of final coats later in the contract.

Surfaces to be treated must be sound, free from oil or other contaminants, old distemper. Loosely adhering coatings, laitance and dust.

Smooth and dense surfaces should be lightly abraded to provide a mechanical key. All residual dust and loose materials must be removed by industrial vacuum before priming to ensure that primer penetration is not retarded by residues.

If any doubt exists we recommend trial application to establish the adhesion characteristics of Ryecoat V in specific site situations.

Application Conditions

5-30°C.

Mixing

Pour the full contents of the hardener container into the full contents of the resin container and mix thoroughly with a slow speed electric stirrer for a minimum of 2 minutes.

Application Techniques

Transfer the mixed resin into a paint tray and apply by brush or roller. Apply as thinly as possible to avoid entrapped water.

Coverage

Porous uneven surface (e.g. brickwork, blockwork)

Sealing Coat	Diluted 5-10% by volume with water 7-12m ² /kg
1 or 2 Final Coats	7-9m ² /kg per coat undiluted.

Smooth dense surfaces, e.g. plaster, steel trowelled renders and dense smooth flush pointed blockwork.

Sealing Coat 7-10m²/kg per coat undiluted

Final Coat 7-9m²/kg per coat undiluted

A second final coat may be necessary on blockwork dependent on surface profile.

Dry porous surfaces

Sealing Coat 8-10m²/kg diluted 10-20% potable water

Final Coat 7-10m²/kg undiluted

Coverage rates will be dependent on surface porosity and profile. Uneven surfaces do require more material on ever coat as the actual surface area to be treated by the surface profile, i.e a high profile may result in the flat measured area being increased by a factor of 2 times to 2.5 times.

Cure Schedule

Pot life @ 20°C 45-60 minutes

Tack free time 6-8 hours

Overcoat time 8-24 hours

Full Cure 7 days

Maintenance

Surfaces treated with Ryecoat V require the minimum maintenance such as wiping down and flushing with water to be maintained in original condition.

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

Ensure that the product is received in good order and store in a dry frost free environment, ideally between 15°C and 20°C for at least three days before laying. Excessively high and low storage temperatures will affect the laying performance of the product.

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