

Ryeprime SF

Epoxy Primer

Description

Ryeprime SF is a low viscosity solvent free epoxy primer used to seal and prime concrete and other substrates prior to the application of liquid resin systems. Ryeprime SF is absorbed into the substrate sealing off surface defects which will reduce the risk of bubbling on the final finish.

Ryeprime SF is compatible with and adheres to an extensive range of epoxy resin and polyurethane resin flooring systems.

TYPICAL AREA OF USE

Ryeprime SF is used as a primer with the following Ryebrook Flooring Systems:

- ✓ Ryeflow 2000 & 3000
- ✓ Ryeflow Anti-Stat
- ✓ Ryeflor HF
- ✓ Ryeflor RT
- ✓ Ryeflor MD
- ✓ Ryetech
- ✓ Ryethane

Ryeprime SF may also be used to seal and reinforce porous concrete prior to the application of resin based flooring. Ryeprime SF adheres to concrete, screed, grano, wood and most flooring compositions.

TECHNICAL DATA (N/mm²)

Bond Strength	40
Compressive Strength	50
Flexural Strength	45
Viscosity @ 20°C (mixed)	5.0 Poise

Composition

Ryeprime SF is a clear or coloured unfilled two pack epoxy resin of low viscosity.

Bond Strength

Ryeprime SF applied to a correctly prepared substrate exhibits bond strengths in excess of concrete and failure occurs within the concrete rather than the epoxy system on test.

Thickness

150-200um

Chemical Resistance

Please refer to technical data sheet reference TD112.

Ryeprime SF

Coverage Rates

Rough porous concrete	175g/m ²
Average finish	125g/m ²
Smooth finish	100g/m ²

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.

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 Technique

Apply by brush or roller, working the resin well into the surface. On porous surfaces apply further resin until the surface is completely wetted out. Push out the resin as thinly as possible, just leaving enough resin on the surface to give a wet appearance. Allow to cure hard before applications of the appropriate resin system. Do not allow longer than 48 hours between applications.

Specification Detail

Apply Ryeprime SF to prepared surface at 125g/m², and allow to cure hard, maximum 48 hours.

Cure Schedule

Pot life @ 20°C	20 - 30 mins
Pot life @ 10°C	45 - 60 mins
Hard dry @ 20°C	15 - 20 hours
Hard dry @ 10°C	16 - 24 hours
Full cure @ 20°C	5 - 7 days

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