

## Ryepriime TC

### Epoxy Primer/Tack Coat

#### Description

Ryepriime TC is a medium viscosity epoxy resin primer/tack coat used for bonding epoxy screed compositions. It has been specifically designed to be tacky to enable trowel applied resin screeds to be applied wet on wet giving a truly monolithic screed. The Ryepriime TC resin is absorbed into the resin screed as well as the substrate.

Ryepriime TC is also used as an adhesive to bond new concrete to old and as an adhesive for polymer modified cementitious flooring. The chemical composition of Ryepriime TC permits the resin to cure when in contact with water.

#### TYPICAL AREA OF USE

Ryepriime TC should be used as a primer/tack coat with the following Ryebrook flooring systems:

- ✓ Ryescreed
- ✓ Ryerend LW

Ryepriime TC may also be used with Ryepol polymer modified systems and other compatible resin flooring systems.

#### TECHNICAL DATA (N/mm<sup>2</sup>)

Bond Strength BS 6319 (Ryecrete)	40
Compressive Strength	50
Flexural Strength	45
Viscosity @ 20°C (mixed)	9 - 12 Poise

#### Composition

Ryepriime TC is a clear unfilled two pack epoxy resin of medium viscosity.

#### Bond Strength

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

#### Thickness

200-300um

#### Chemical Resistance

Please refer to technical data sheet reference TD112.

## Ryeprime TC

### Substrates

Ryeprime TC adheres to concrete, metal, wood and most flooring compositions.

### Coverage Rates

Rough porous concrete	350g/m <sup>2</sup>
Average finish	275g/m <sup>2</sup>
Smooth finish	225g/m <sup>2</sup>

### 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 Conditions

5-30°C

### Application Technique

Apply by stiff brush, roller or trowel, working the resin well into the surface. Ensure that the full surface area to be bonded is fully wetted. If total absorption into the substrate occurs a further coat may be needed.

"Double priming" on weak and porous concrete may be needed if the Ryeprime TC is continually absorbed. Failure to "double prime" may result in entrapped air causing the screed to blow and bubble. Allow the first coat to be absorbed and cure overnight and apply a second coat prior to application of the screed.

The appropriate screed is applied directly into the wet Ryeprime TC within 45 minutes of application.

### Specification Detail

Apply Ryeprime TC to prepared surface at 275g/m<sup>2</sup>, apply screed whilst still wet.

### Cure Schedule

Pot life @ 20°C	20 - 30 mins
Pot life @ 10°C	45 - 60 mins
Hard dry @ 20°C	8 - 10 hours
Hard dry @ 10°C	15 - 20 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](mailto:info@ryebrook.co.uk)