

## Ryethane 500

### High Build Epoxy Floor Coating - FeRFA Type 3

High Build Floor Coating - 300 µm to 1000 µm

#### Description

Ryethane 500 is a medium duty liquid applied flexible coating system providing a seamless finish with excellent resistances to abrasion, chemical attack and other physical aggression including flexing/minor movement.

ADVANTAGES & BENEFITS	TYPICAL AREA OF USE	TEST DATA
<ul style="list-style-type: none"> <li>✓ Flexible coating</li> </ul>	<ul style="list-style-type: none"> <li>✓ Food preparation areas</li> <li>✓ Breweries</li> <li>✓ Dairy clean areas</li> </ul>	<p>Elongation at break to BS2782      70%</p> <p>Hardness Shore 'D'                      62</p> <p>Tensile Strength to BS2782              7N/mm<sup>2</sup></p> <p>Tear Strength to BS903 die 'C'        33N/mm<sup>2</sup></p> <p>Compressive Strength to BS6319      90N/mm<sup>2</sup></p> <p><i>No failure – 85% recovery</i></p> <p>Taber Abrasion – dry CS10/100 cycles/1kg                                      80mg</p> <p>Taber Abrasion – dry H18/1000 cycles/1kg                                      400mg</p> <p>Slip resistance                                Medium</p>

#### Composition

Solvent free polyurethane resin system combined with colour and graded fine aggregate.

#### Appearance

Totally seamless, glossy smooth finish with uniform colour. Ryethane 500 is not colour fast and may change colour over time if subjected to UV light.

#### Chemical Resistance

Excellent resistances to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic hydrocarbon solvents and ester solvents. Limited resistances to ketones and alcohols. Please refer to TD115.

#### Durability

High order of durability, resistance to abrasion, impact, chemical attack and penetration.

#### Colours Available

A range of colour choices are available. Please contact our Sales Team for a colour chart.

## Ryethane 500

### Substrates

Concrete, polymer reinforced, grano concrete, asphalt, and marine plywood.

### 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.

### Coverage Rates

	<u>At 0.5mm</u>
Ryethane 500	0.78kg/m <sup>2</sup>

### Application Conditions

5-30°C; Maximum relative humidity within substrate 75RH.

### Priming

Sound porous surfaces may be primed by a thin/scratch coat application of Ryethane 500.

Particularly porous or friable surfaces may be primed with a single application of Ryecoat WD clear sealer. All priming systems should be allowed to cure to a hard finish prior to application of Ryethane 500.

### Application Techniques

Depending upon film build specified, apply by roller or steel float at the prescribed spreading rate.

### Mixing

Pour and fully drain the contents of the clear brown hardener component into the pigmented resin component and mix thoroughly with a slow speed paddle mixer for a minimum of three minutes or until a homogeneous mix is obtained paying special attention to scrape the sides and base of container.

### Specification Detail

Ryethane 500 as primer/scratch coat - 0.20kg/m<sup>2</sup>  
Ryethane 500 at required film build

### Cure Schedule @ 20°C

Pot Life of full unit	45 mins
Initial film set time	4 hours
Resistant to light traffic	12-16 hours
Resistant to heavy traffic	4-5 days
Full Cure/Chemical resistance	48 hours

### Maintenance

Provided contamination is not allowed to build up, regular scrubbing or mopping with normal proprietary cleaning agents will maintain this system in serviceable condition.

Damaged areas of this system should be patch-repaired/ replaced in order to ensure longevity of the work area is maintained.

### 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)