

RYETHANE FLEXIBLE POLYURETHANE FLOORING



DESCRIPTION

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

Three different products are available which use variable levels of fillers to enable Ryethane to be applied at thicknesses from 2.0-6.0mm.

Ryethane 2000	2.0-2.5mm
Ryethane 3000	2.5-4.0mm
Ryethane 5000	4.0-6.0mm

Composition

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

Appearance

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

Durability

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

TYPICAL INSTALLATIONS

Ryethane is ideally suited for areas subject to heavy duty use:-

- Chemical Processing
- Food preparation/wet areas
- Brewing/dairy clean areas

Substrates

Concrete, polymer reinforced, grano concrete, mild steel, alloys and water resistance plyboard.

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

5-30°C; maximum moisture content within substrate 10%.

Priming

Sound porous surfaces may be primed by a single coat application of Ryepime SF. Please refer to TD002. Aluminium alloys, zinc, copper, glazing and ceramic surfaces should be primed with Ryepime DS; please refer to TD003. Particularly porous or friable surfaces may be primed with a single application of Ryecoat WD clear sealer; please refer to TD013. All priming systems should be allowed to cure to a hard finish prior to application of Ryethane.



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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. Transfer to a rotary drum mixer and add aggregate component in stages. Finally mix to produce a homogeneous product for a minimum of two minutes.

Application Technique

This product is laid in compliance with BS 8204-6 Type 5. Apply by steel float at the prescribed spreading rate. Air release may be improved by the use of a Ryebrook spiked roller for up to two minutes after application.

Coverage Rates

Ryethane	2000	3000	5000
Nominal Thickness	2.0mm	3.0mm	5.0mm
Coverage kg/m ²	3.7	5.6	10.0

SPECIFICATION DETAIL

Ryepime SF at 150-200gm²
Ryethane at coverage rates as above.

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.

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

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 technical data sheet reference TD115.

Colours

Available in the full range of Ryebrook colours.

TEST DATA

Elongation at break to BS2782	35%
Hardness Shore'D'	62
Tensile Strength to BS2782	7N/mm ²
Tear Strength to BS903 die 'C'	33N/mm ²
Taber abrasion - dry CS10/1000 cycles/1kg	80mg
Taber abrasion - dry H18/1000 cycles/1kg	400mg

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 & Application

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

Technical Advice

For further information on this or any other Ryebrook product, please contact our Technical Department on 01293 565500.

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