

Ryeflor WR



Polyurethane Resin Floor - FeRFA Type 8

Heavy Duty Resin Flooring >6mm

Description

Ryeflor WR is a lightweight trowel applied cove/wall render based upon a liquid polyurethane resin system. Designed specifically for use with Ryeflor polyurethane flooring and in order to maintain the same standards of resistance to abrasion and chemical contact.

TYPICAL AREA OF USE

- ✓ Ryeflor WR is used to form chemically resistant coving, fillets, gullies, wall finishes and drainage systems.
- ✓ Used in combination with Ryeflor HF/RT/MD to provide totally seamless "box" finish floor/wall system within high hygiene sterile process areas.

TECHNICAL DATA (N/mm²)

Compressive Strength to BS6319: Part 2	50.0N/mm ²
Tensile Strength to BS2782:320D	5.0N/mm ²
Flexural Strength to ASTM D790-84a	30.0N/mm ²
Impact 1kg load/tup nose type	22cm
Surface Spread of flame to BS476 Part 7	Class 2
Calculated VOC Content (g/litre)	0.3

Composition

Water dispersed polyurethane resin system combined with a graded silica aggregate.

Appearance

A finely textured smooth aggregate surface of uniform colour. Ryeflor WR is not colour fast and may change colour over time if subjected to UV light. This is more apparent in light colours but does not compromise the integrity or product performance.

Durability

Highest order of durability, resistances to abrasion, impact and chemical attack - Stable to steam cleaning.

Thickness

2mm – 25mm

Chemical Resistance

Excellent resistances to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents. Please refer to technical data sheet reference TD112.

Colours Available

Select range of colours available, please contact our Sales Team for a colour chart. Please note that the colours tend to be drab and need pigmented seals to provide a better colour.

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Substrates

In combination with Ryepriime TC, Ryeflor WR adheres well to concrete, grano, brick/block, plywood.

Coverage Rates

Density of mixed product - typically 1.98.
1.98kg is required per 1mm thickness/m².

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- Between 5°C and 30°C. Maximum moisture content of substrate.

Priming

Priming of all surfaces should be undertaken with Ryepriime TC. Please refer to TD001. Application of Ryeflor WR should be effected into the wet (uncured) primer in order to maintain a sound adhesive bond.

Mixing

Pre-mixing of the coloured liquid component is recommended in order to ensure any light settlement is reincorporated. Thoroughly drain the contents of the hardener tin into the container holding the liquid colour component and mix the two thoroughly to produce a homogeneous mix. Load the mixed liquids into a rotary drum mixer and add the aggregate component in stages. Mix until a lump free mix is obtained.

Application Technique

Apply by plasterer's float of coving "iron" directly into tacky Ryepriime TC. Do not allow primer to cure to tack free state as this could lead to application/adhesion problems.

Specification Detail

1. Ryepriime TC - 275g/m²
2. Ryeflor WR - 1.98kg/m² per 1mm build

Cure Schedule

Usable Life of full unit	20 mins
Initial Firm Gel Time	20 mins
Cure Time to Light Impact	8-12 hours
Cure Time to Heavy Duty Service	24 hours
Full Cure	3-5 days

Maintenance

Normal regular pressure washing/steam cleaning or scrubbing will ensure Ryeflor WR remains cosmetically and hygienically clean.

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