



CI/SfB: (43) V
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RYESEAL POLYURETHANE FLOOR SEAL

DESCRIPTION

Ryeseal is a flexible but highly abrasion resistant polyurethane floor seal for application to concrete, wood, grano and composition flooring.

Ryeseal P1

Transparent brown in colour, low cost dustproofer/sealer recommended for use in areas subject to heavy wear.

Ryeseal P2

Water white in colour, recommended for wood and surfaces requiring no colour change.

Ryeseal PC

A two pack colour polyurethane seal with excellent covering power available in gloss or silk finish.

Composition

Ryeseal is a high solids, high flash point (44°C), solvent containing polyurethane liquid of low viscosity.

Appearance

Ryeseal P1 and P2 are clear gloss finishes and Ryeseal PC is a coloured silk or gloss finish.

Durability

Ryeseal has an extremely high abrasion resistance and will withstand heavy traffic for prolonged periods. It is considerably superior to conventional oil and water based floor paints.

Thickness

Ryeseal P1 and P2 - average 60um per coat.
Ryeseal PC - average 90um per coat.

TYPICAL INSTALLATIONS

Ryeseal not only seals but penetrates old and porous concrete acting as a strengthening binder and reinforcer. It is ideal for use as a sealer in warehouses, storage areas, trucking lanes etc.

Ryeseal PC provides an attractive dust free low cost finish which is ideal for light duty work areas. It is readily cleaned and maintained giving a hygienic surface finish.

Substrates

Ryeseal bonds well to concrete, grano, wood and metals. It

should not be used directly on asphalt without prior priming with Ryepime DS.

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

Ryeseal contains solvents and should only be used in well ventilated areas. Application temperature 0-30°C.

Priming

Ryeseal does not usually require a primer but on well compacted non-porous concrete, an addition of 20% Ryeseal is recommended to assist in penetration of the first coat.

Mixing

Add the full contents of the Ryeseal PC hardener container to the full contents of the Ryeseal PC resin container and stir with a slow speed paddle mixer thoroughly for a minimum of 2 minutes.

Application Techniques

This product is laid in compliance with BS 8204-6 Type 1. Transfer the mixed product into a paint tray and apply by brush or roller, pushing the Ryeseal out as thinly as possible. Avoid "pooling" as this will produce soft spots.

Coverage Rates

(sq m per kg per coat)

	<u>P1</u>	<u>P2</u>	<u>PC</u>
Average Substrates	8-10	8-10	7-9
Porous Uneven Substrates 6-8	6-8	5-7	

SPECIFICATION DETAIL

Porous, Uneven Concrete - Apply 2 or 3 coats Ryeseal at an average rate of 7 sq m per kg.

Average Substrates - Apply 2 or 3 coats Ryeseal at an average rate of 9 sq m per kg.

Maintenance

Ryeseal floors can be readily cleaned by mopping with a proprietary detergent solution.



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Cure Schedule

Usable life @ 20°C (PC Only)	30 mins
Touch Dry Film Time @ 20°C	4-6 hours
Intercoat Period	6-24 hours
Foot Traffic	16 hours
Heavy Traffic	36 hours
Full Cure	3-4 days

Chemical Resistance

Ryeseal exhibits good resistance to a wide range of chemicals, oils, petrol etc, but it is not recommended as a chemical resistant finish. Floor seals can be readily damaged by impact and chemicals can then attack the concrete from underneath the seal.

Grades Available

The rate of film cure of Ryeseal PC may be accelerated by the addition of Ryeseal Accelerator at 250g per 5.5kg of Ryeseal PC. Whilst this will increase the rate of film cure by approx 30%, the working life (pot life) of the mixed product will be proportionately reduced.

TECHNICAL DATA

40um Film Hardness	170 sec
Taber Abrasion Loss (CS17, 1000rpm, 1000g)	3-5mg (dry)

Colours

Red, Green, Mid Grey, Dark Grey, Mid Green, Yellow, Orange, Buff.

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.