

Ryerend LW

Lightweight Epoxy Render

Description

Ryerend LW is a lightweight epoxy mortar which is readily applied to provide a chemically resistant section to vertical surfaces. The high resin content of Ryerend LW permits the application of large volumes of the mortar without the need for stress release joints, in areas such as continuous coving, gullies and structural repairs to concrete.

The lightweight structure of the mortar enables the formation of coving and wall rendering without the need for shuttering. Ryerend LW is used in conjunction with Ryebrook resin flooring systems to produce a totally seamless "box" finish in high hygiene and decontamination areas.

ADVANTAGES & BENEFITS	TYPICAL AREA OF USE	TECHNICAL DATA (N/mm ²)	
<ul style="list-style-type: none"> ✓ Coated with Ryetech V, exhibits the highest level of chemical resistance and durability in vertical situations ✓ Detailing mortar ✓ Repairing subfloors 	<ul style="list-style-type: none"> ✓ Coving ✓ Fillets ✓ Gullies ✓ Wall finishes ✓ Drainage Systems ✓ It is used in conjunction with Ryebrook resin flooring to produce a totally seamless finish. ✓ Ryerend LW is also used for repairing voids in concrete beams, pre-cast units, concrete structures and stonework. 	Compressive Strength Tensile Strength Flexural Strength Slant Shear Bond Strength Flame Spread to BS476 Part 7	11-15 9-11 11-13 10-12 Class 2

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Composition

Ryerend LW is a three part, lightweight epoxy mortar produced from solvent free resins and blended microspheric aggregates.

Appearance

Smooth coloured finish.

Durability

Ryerend LW does not exhibit the same high physical strengths and abrasion resistance as Ryebrook epoxy flooring mortar but when coated with Ryetech V as recommended, exhibits the highest level of chemical resistance and durability in vertical situations.

Thickness

2-25mm

Chemical Resistance

Ryerend LW is a porous mortar and in consequence has limited chemical resistance. When coated with Ryetech V it exhibits the highest order of resistance to a wide range of chemicals, Please refer to technical data sheet reference TD112.

Colours Available

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

Ryerend LW

Substrates

Ryerend LW adheres well to concrete, grano, and screeds. It is ideal also for application over rough brickwork, breezeblock etc.

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

Priming

Always use Ryepriime TC in conjunction with Ryerend LW in order to achieve maximum adhesion. Work the primer well into the surface and allow 10-20 minutes to become tacky before setting the Ryerend LW in place. Do not allow the Ryepriime TC to harden prior to application of Ryerend LW.

Mixing

Ryerend LW is a three pack product. Mix the hardener component well into the resin using a slow speed paddle mixer for a period of 1 minute until even coloured. Transfer the mixed resin into a rotary drum mixer and add the aggregates slowly until evenly wetted.

Application Technique

Apply by plasterer's float or coving trowel directly into tacky Ryepriime TC to give a smooth surface finish. Do not allow the primer to cure as this will result in possible slump of the mortar and adhesion loss.

Sealing

Ryerend LW requires sealing with two coats of Ryetech V to provide a chemically resistant sealed finish. Please refer to technical data sheet reference TD053.

Specification Detail

1	Ryepriime TC	200-300g/m ²
2	Ryerend LW	1.35kg/m ²
3	Ryetech V	4.2m ² /kg
4	Ryetech V	5.5m ² /kg

Cure Schedule

Pot Life	30-45mins
Initial Set	8-10 hours
Full Cure	7 days

Maintenance

Providing contamination is not allowed to build up, regular scrubbing and mopping will maintain Ryerend LW satisfactorily.

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