



Technical Datasheet
Lightweight Epoxy Render

PUMAREND L.W.

DESCRIPTION

Pumarend LW is a lightweight epoxy mortar which is readily applied to vertical surfaces. The high resin content of Pumarend LW permits the application of large volumes of the mortar without the need for stress release joints, in areas such as continuous coving, gulleys and structural repairs to concrete. The lightweight structure of the mortar enables the formation of coving and wall rendering without the need for shuttering. Pumarend LW is used in conjunction with Pumaflor resin flooring systems to produce a totally seamless "box" finish in high hygiene and decontamination areas.

COMPOSITION

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

APPEARANCE

Smooth coloured finish.

DURABILITY

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

THICKNESS

2-25 mm.

TYPICAL INSTALLATIONS

Pumarend LW is used to form chemically resistant coving, fillets, gulleys, wall finishes, drainage systems etc. it is used in conjunction with Resdev resin flooring to produce a totally seamless finish. Pumarend LW is also used for repairing voids in concrete beams, pre-cast units, concrete structures and stonework. An underwater grade is available for repairs to Dock gates, oil rig platforms etc.

SUBSTRATES

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

SURFACE PREPARATION

To be assured of maximum adhesion and properties from Resdev resin products the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation".

APPLICATION CONDITIONS

Between 10 and 30°C Maximum moisture content of 75% RH..

PRIMING

Use Pumaprime T.C. Please refer to technical data sheet.

MIXING

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

APPLICATION TECHNIQUE

Apply by plasterer's float or coving trowel directly into tacky Pumaprime T.C. 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.

COVERAGE RATES

Density = 1.35g/c.c. 1.35kg/m² per 1mm thickness is required. As a wall render at 4mm thickness – 5.40kg/m².
N.B. Coving requires additional product to infill the radius. Quantity will depend on the coving size.

SPECIFICATION DETAIL

1. Pumaprime T.C. 200-300g/m²
2. Pumarend LW 1.35kg/m² per 1mm thickness
3. Pumatect 'V' 4.2m²/kg
4. Pumatect 'V' 5.5m²/kg

SEALING

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

MAINTENANCE

Providing contamination is not allowed to build up, regular scrubbing and mopping will maintain Pumarend LW satisfactorily. Pumarend LW may be polished back to the original gloss in exactly the same way as vinyl or lino.

CURE SCHEDULE

Pot life at 20°C	-30-45 mins
Initial set at 20°C	-8-10 hours
Full cure at 20°C	-7 days

COLOURS AVAILABLE

All standard Resdev colours except white, beige, blue or magnolia.

TECHNICAL DATA

Compressive strength	-11-15N/mm ²
Tensile strength	-9-11N/mm ²
Flexural strength	-11-13N/mm ²
Slant shear bond strength	-10-12N/mm ²
Flame spread BS476 Part 7:1971	-Class 2

HEALTH AND SAFETY

Please read technical data sheet 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.

TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department on 01422 379131.