

# Poly Render

High performance Surface render



### Product

Poly Render is a high polymer modified single component cementitious 1 mm mortar with high strength and flexibility.

### Description

Poly Render is a fairing and adhesive mortar that can be applied in thickness from 1 mm to 10mm. This mortar is off white in colour and exhibits very high adhesive properties to common substrates such as EPS concrete or masonry. When used as a mortar the material may be used as a patching or levelling medium as well as a bedding for reinforcing tapes or fibres.

### Recommended uses

- Thin layer patching for vertical, horizontal or overhead applications.
- Levelling of uneven surfaces prior to coating.
- Repairs where good abrasion resistance and compressive strength is required.
- Adhesive for EPS or exterior gypsum board or compressed cement fibre board, masonry and concrete.
- Adhering and fairing of alkali reaction controlled fibre glass tapes and scrim mesh to plaster EPS and cement fibre board construction systems.
- Rendering application over concrete, brickwork, masonry.
- Base for over coating with paint or decorative coatings.

### Features & Benefits

- Single Component system with pre blended powder - simply add water and mix.
- High bond strength.
- High compressive strength.
- 1 mm thickness to 10mm.
- May be applied with straight or notched trowel.
- No priming or curing required.
- Durable, low water permeation.
- Polymer unaffected by water.
- Pleasant pale colour which may be decorative as provided or provides neutral background for future texture coating or painting.
- Oxide colour may be added to provide individual colouring.

### Water Requirements

5 - 5.4 litres per 20kg bag

### Packaging

Poly Render is supplied in 20 kg polylined bags.

### Application Instructions

Surfaces must be free from any coating or residue that may inhibit bond. Surfaces must be clean and dry and the application temperatures above 5° and less than 35°. Direct sunlight, high temperatures and wind will reduce the available working time requiring care in overextending the working area with applied material.

### Mixing

For each 20kg bag of Poly Render measure 5 - 5.4 litres of clean potable water. Add water to the mixing vessel and add the contents of the bag as a steady flow while mixing. Mixing should be done using a mechanical forced action mixer with high shear stirrer. Mixing should be proceed for a minimum of 2 minutes after all powder has been added to the water



### Placing - As Fairing Mortar

Application follows standard practice in smooth trowelling over the substrate. Recommended thickness varies from 1 mm edge to 10mm.

### Placing - Render Coat

Poly Render combined with reinforcing tapes scrims and meshing and applied to construction boards and panels will provide a stable system with high bond coupled with flexibility. When bedding reinforcing scrims or meshing, the primary coating of 1.5 - 2.5 mm should be applied with stainless steel trowel. The mesh then bedded into the coating with a trowel so no mesh is visible at the surface. The thickness of the primary coating may require to be varied to provide complete embedment of the reinforcing medium.

### Pot Life

Poly Render has considerable working pot life as elevated temperatures. At 25-30o pot life is expected to be over 3 hours. The pot life of useful working time for applied fairing render or primary coating is greatly dependent on the thickness and drying conditions. A skim coat of less than 1.0 mm. In thickness at elevated temperature may only provide 30 minutes working time.

### Coverage

20kg bag of Base & Adhesive mixed with 5 liters of water will produce approximately 15 litres of compound. At an application rate of 4mm, approximately 3.8 square metres may be covered. At 1mm approximately 15 square metres may be covered.

### Storage

Poly Render has a minimum shelf life of 12 months if kept in a dry environment.

### Clean Up

Poly Render should be removed with water from tools and equipment immediately after use.

### Health & Safety

- During use avoid inhalation of dust, contact with skin and eyes.
- Suitable protective clothing, dust masks, gloves and eye protection should be worn.
- Continual or extended contact with cement products can cause skin irritation.
- If skin irritation occurs, remove contaminated clothing and flush skin thoroughly with water.

### Disclaimer

Please Note: Recommendation and advice regarding the use of this product is to be taken as a guide only and SureLevelSaudia shall not be liable for any loss, injury or damage whatsoever resulting from its use.

### Fire

Poly Render is non flammable.

### Document Issue Date

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