

## ROCKCOTE Polymer Render

ROCKCOTE Polymer Render is a high solids, thin section flexible render for difficult substrates. Tested by James Hardie and approved for use over their HardiTex® Cement Sheeting. ROCKCOTE Polymer Render is also suitable exterior or interior use on correctly prepared masonry surfaces, including clay brick and cement render; A.A.C. - Hebel® Blocks and Panels; Ritek Panel Systems.

A pre-mixed single component rendering material supplied ready for use in plastic pails. This product is designed to be used as a thin section render or patching compound over difficult substrates such as off-form concrete, A.A.C. [Hebel® panels or blocks] and cement sheeting.

### PERFORMANCE & PROPERTIES

#### Adhesion and Flexibility

Modern construction methods and materials often require certain tensile properties from an exterior plaster coating, which cannot be achieved with standard or even modified cement renders.

The most important properties required are, adhesion to smooth dense or highly porous substrates, and flexibility and compatibility with finishing coats that are predominantly acrylic based. Polymer Render meets these requirements.

#### Economical

Rockcote Polymer Render can provide an economical and attractive rendered finish with an applied wet thickness of between 1.0 - 4.0mm. Polymer Render is a single component product which is completely free from both lime and Portland Cement. When used as specified, Polymer Render can provide a stable flat surface for top coating with either paints or textured finishes. See Rockcote Specification on Levels of Finish Polymer Render is high in total volume solids, providing a value for money solution to plastering difficult substrates.

#### Low Suction

Due to the low suction characteristics of Polymer Render, the dried finish does not usually require sealing or priming prior to the application of top coat paints or textured finishes, however over some high suction substrates or under some types of colours, priming before top coating may be required.

#### Limitations

- Polymer Render is not suitable for areas that are submerged or subjected to continual damp or hydrostatic pressure from within the substrate
- Polymer Render should only be applied to a total maximum wet film thickness of 4mm per coat. Note that film thicknesses greater than 2 mm can take more than 24 hours to dry under some conditions. If the total film thickness required is 4mm, then best results are achieved by applying 2 or more coats at 1-2mm wet film thickness per coat. Ensure that each coat has set and cured prior to application of the next coat. It is important to ensure that the moisture level is less than 15% WME at the thickest location before applying decorative topcoats.
- Polymer Render should not be applied if the ambient or substrate temperature is less than 5°C or higher than 35°C or in strong windy conditions.\*
- Rockcote Reno Render is recommended over previously painted substrates in preference to or before Polymer Render to avoid excessive drying time.
- Polymer Render must be over coated with a suitable paint or textured coating as soon as practicable after it has dried.
- Do not apply cement based renders or other specialty coatings over Rockcote Polymer Render. Only conventional thermoplastic exterior grade acrylic coatings are suitable for use over Rockcote Polymer Render. If specialty coatings are to be used then contact the Rockcote Technical Department first.
- The moisture content of dried Polymer Render must be less than 15% WME before over-coating.

## SURFACE PREPARATION

All surfaces should be clean, dry and free from grease, oil or laitance and any loose material scraped back to a firm base. For masonry surfaces apply a coat of Rockcote Masonry Primer at the rate of approx. 6 - 8 square metres per litre. Deeper holes or deviations can be filled flush with Rockcote Skimcote and allowed to dry prior to the application of the Polymer Render.

## APPLICATION

For best application results mix Polymer Render before use.

Polymer Render may be trowelled on to the surface in one or two applications and finished with a plastic or polystyrene float after 15 to 30 minutes drying. A sponge finish is usually achieved by rubbing the surface gently with a damp soft sponge after approximately 15 to 30 minutes drying under normal conditions.

### **Cement Sheeting - Recessed Edge**

Refer to Patching Specifications & the ROCKCOTE System Chart for Cement Sheet

<b>Thinning</b>	Do not thin Polymer Render
<b>Clean Up</b>	Clean with water immediately after use. Semi dry films can be removed with warm water and biodegradable detergent. Recently dried material can be removed with methylated spirits.
<b>Drying (55% Relative Humidity, 25°C)</b>	Applied at 2mm wet coating thickness over a sealed surface. *Touch dry in 4 hours. Dry to recoat in 24 hours provided moisture level of dried Polymer Render coating is less than 15%WME. Full Cure in 7 days. (Dry times vary with changes in temperature and humidity. Drying will be slower at higher relative humidity and/or lower temperature, or at higher film builds. Drying will be faster if used over unsealed surfaces. Over low suction substrates, Rockcote Polymer Render may resoften if it comes into contact with liquid water too early and before it has fully cured, so it is important to protect the surface if rain is imminent.
<b>Pack Size</b>	15L & 4L heavy duty plastic pails.
<b>Finish</b>	Flat and highly textured, depending on finishing technique. Photo: Polymer Render Finish (sponged) -not to scale. See a Rockcote Sales Representative for a sample of the true Polymer Render finish.
<b>Maintenance</b>	Any identified damaged should be repaired as soon as possible. Refer to Rockcote specification on General Maintenance.
<b>Durability</b>	Excellent interior or exterior when used as specified. For Exterior use, see paragraph on 'Limitations' . Refer to Rockcote Render (RR) System - Performance Codes to select a suitable rating for your requirements.
<b>Volume Solids</b>	82%
<b>Film Thickness</b>	Wet Film thickness approximately 1000 to 4000 microns per coat. Do not apply at a film thickness greater than 4mm in a single coat. A minimum dry coating thickness of 2mm must be applied when used over 7.5mm cement sheeting or Hebel® Panel/Blocks
<b>Spreading Rate</b>	3.8 to 15.0 square metres per 15 litre pail, depending on the thickness required. Figures are a guide only. Coverage rates vary according to substrate, application technique, wastage factors and substrate preparation.
<b>Usual number of coats</b>	1 or 2

## STORAGE, SAFETY & HANDLING

### Refer to the Rockcote MSDS for Polymer Render

- Pails should not be stacked more than three high during transportation and should be stored out of direct sunlight and above 4°C
- In the case of Polymer Render, if ingestion occurs, drink at least two glasses of water and consult a doctor as soon as possible
- Wear protective clothing to minimise skin contact and wear goggles where spatter is likely.
- Avoid prolonged skin contact and particularly eye contact. If eye contact occurs, flush thoroughly with clean water and see a doctor as soon as possible
- Where spills occur, soak up liquid spillage with sand/sawdust and dispose of in accordance with council regulations
- Clean up equipment and area with water. Do not permit run-off to sewer, storm water or open bodies of water

### Indemnity

Rockcote Enterprises Pty Ltd will not accept responsibility for any misuse of this product or if not applied by a skilled and experienced applicator and in accordance with our technical specifications. Due to our policy of continuing product improvement Rockcote Enterprises Pty Ltd reserves the right to change these specifications without further notice.

