

ROCKCOTE Polymer Render Hi Build is a pre-mixed, high solids, flexible render for difficult substrates. Suitable for exterior and interior use over correctly prepared substrates such as masonry surfaces (including clay brick and cement render), A.A.C. Hebel blocks & panels and Ritek Panel Systems. ROCKCOTE Polymer Render Hi Build 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. ROCKCOTE Polymer Render Hi Build meets these requirements.

Economical

ROCKCOTE Polymer Render Hi Build can provide an economical and attractive rendered finish with an applied wet thickness of between 1.2 - 6.0mm. ROCKCOTE Polymer Render Hi Build is a single component product which is completely free from both lime and cement.

When used as directed ROCKCOTE Polymer Render Hi Build can provide a stable flat surface for top coating with either paints or textured finishes. See ROCKCOTE Specification on Levels of Finish. ROCKCOTE Polymer Render Hi Build is high in total volume solids, providing a value for money solution to plastering difficult substrates.

Limitations

- ROCKCOTE Polymer Render Hi Build is not suitable for areas that are submerged or subjected to continual damp or hydrostatic pressure from within the substrate
- ROCKCOTE Polymer Render Hi Build should only be applied to a total maximum wet film thickness of 6mm. Note that film thicknesses greater than 3 mm can take more than 24hours to dry under some conditions. If the total film thickness required is 6mm then best results are achieved by applying 2 or more coats at 2mm average wet film thickness per coat.
- ROCKCOTE Polymer Render Hi Build should not be applied if the substrate and/or ambient temperature is less than 5°C or higher than 35°C. Or in strong windy conditions.*
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- Over previously painted substrates, ROCKCOTE Reno Render is recommended in preference to or before the ROCKCOTE Polymer Render Hi Build to avoid excessive drying time.
- ROCKCOTE Polymer Render Hi Build must be over coated with a suitable texture coating or paint as soon as practicable after it has dried.
- The moisture content of dried ROCKCOTE Polymer Render Hi Build must be less than 15% WME at all areas of the coating before over coating
- Do not apply cement based renders or specialty coatings over ROCKCOTE Polymer Render Hi Build. Only conventional thermoplastic exterior grade acrylic coatings are suitable for use over this product. If specialty coatings are to be used then contact ROCKCOTE first
- ROCKCOTE Polymer Render Hi Build is unsuitable for tinting to light or bright colours.

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 ROCKCOTE Polymer Render Hi Build.

APPLICATION

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

Cement Sheeting - Recessed Edge

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

Thinning	Do not thin ROCKCOTE Polymer Render Hi Build
Clean Up	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.
Drying (55% Relative Humidity, 25°C) Applied at 2mm wet film thickness over a sealed surface.	*Touch dry in 4 hours. Dry to recoat in 24 hours provided moisture level of dried ROCKCOTE Polymer Render Hi Build 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 Hi Build 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.
Pack Size	15L Heavy Duty Plastic. Smaller sizes available on request.
Finish	Flat and highly textured, depending on finishing technique.
Maintenance	Any identified damaged should be repaired as soon as possible. Refer to ROCKCOTE specification on General Maintenance.
Durability	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.
Volume Solids	82%
Film Thickness	Wet coating thickness approximately 1200 to 6000microns per coat. Do not apply at a film thickness greater than 6mm in a single coat. Best results are achieved by applying 2 or more coats at approximately 2mm average wet coating thickness. A minimum dry coating thickness of 2mm must be applied when used over 7.5mm cement sheeting or Hebel® Panel/Blocks
Usual number of coats	1 or 2

THEORETICAL SPREADING RATES

2.5 to 12.5 square metres per 15 ltr pail, depending on the thickness required.

Figures are a guide only. Coverage rates vary according to substrate, application technique, wastage factors and substrate preparation.

STORAGE, SAFETY & HANDLING

Refer to the ROCKCOTE MSDS for Polymer Render Hi Build

- Pails should not be stacked more than three high during transportation and should be stored out of direct sunlight and above 40C
- In the case of ROCKCOTE Polymer Render Hi Build, 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.