

ROCKCOTE QRender PM100

ROCKCOTE QRender PM100 is a pre-blended polymer modified cement render manufactured to exacting specifications from high quality materials. Requiring only the addition of clean water and mixing before application, ROCKCOTE QRender PM100 is suitable for machine application or traditional hawk & trowel hand application.

Properly cured ROCKCOTE QRender PM100 exhibits minimal drying shrinkage and is a reliable surface for over-coating with acrylic textures and paints. This product meets the requirements of the professional tradesperson and the demands of modern construction materials and methods.

PERFORMANCE & PROPERTIES

ROCKCOTE QRender PM100 is manufactured under controlled conditions. Consistent quality is assured.

Composition

ROCKCOTE QRender PM100 is composed of high quality, washed and graded sand, Portland Cement conforming to Australian Standard 3972 and proprietary additives. Application properties, adhesion, water resistance and consistency of product blend are all superior to site blended sand and cement render.

Time and Cost Savings

ROCKCOTE QRender PM100 is quicker to apply than standard cement render and requires less clean up and greatly reduced curing time before the application of finish coats. ROCKCOTE QRender PM100 is suitable for machine application, which can further increase the speed of application.

Water Resistant

ROCKCOTE QRender PM100 is water repellent, reducing the risk of efflorescence or rising damp.

Adhesion

ROCKCOTE QRender PM100 adheres well to standard and difficult masonry substrates such as bricks, concrete blocks, Hebel, Off-Form Concrete and specified lightweight building substrates (see ROCKCOTE Application Specifications).

Limitations

Should not be applied over cement sheet or previously painted surfaces not specified by Rockcote.

Should not be applied in temperatures below 3oC or in very hot and windy conditions or above 30oC.

Protect from freezing temperatures for 24 hours after application.

Protect from heavy rain for 8 hours after application.

SURFACE PREPARATION

- ROCKCOTE QRender PM100 should only be used over dimensionally stable masonry substrates.
- All surfaces must be clean and free from dirt, dust, oil, grease, silicone or loose materials before application.
- Large hollows and deviations in the surface are first filled and screeded with ROCKCOTE QRender PM100 prior to application of the final coat
- Dry masonry surfaces must be wetted with clean water. Do not apply ROCKCOTE QRender PM100 until the wet look has receded and the surface has absorbed the free water.
- Low suction substrates such as smooth concrete or smooth bricks should be treated with a “key” coat prior to the application of the render after being cleaned. The key coat is prepared by mixing ROCKCOTE QRender PM100 into slurry with 25% Acrybond in the gauging water and applied to the wall with a spray-gun, sponge,

brush or roller. This coating should be allowed to dry for 24 hours before applying the ROCKCOTE QRender PM100.

- Over highly porous surfaces such as (A.A.C. Hebel), seal first with one coat ROCKCOTE Acrybond mixed with an equal part of water to control suction and improve adhesion.
- It is important to mask up all surrounding surfaces before rendering to avoid contact with ROCKCOTE QRender PM100 especially aluminium window frames and glass.

APPLICATION

ROCKCOTE QRender PM100 can be applied by traditional hawk & trowel or machine (See table). Specifically formulated without the addition of hydrated lime, ROCKCOTE QRender PM100 is readily over coated with acrylic paints, texture finishes and lime washes.

The application of ROCKCOTE QRender PM100 is a specialist procedure and should only be carried out by a skilled and experienced applicator.

Acrylic Finishing Coats

Under normal conditions, the application of ROCKCOTE acrylic paint or texture coatings may be commenced two days after ROCKCOTE QRender PM100 has fully cured with a moisture content of less than 15% WME. It should then be sealed with one coat of ROCKCOTE Hi-Opacity Primer or ROCKCOTE EcoStyle Sealer/Undercoat.

ROCKCOTE QRender PM100 should not be left uncoated for an extended period of time and should be painted with a ROCKCOTE Performance Code rated system as soon as practicable within 28 days after being fully cured. Refer to ROCKCOTE Render (RR) System brochure to select a suitable Performance Code rating for your requirements.

Pack Size	20 kg bags. Pallet lots are 56x20kg bags (1120kg).
Activation mix	For traditional hawk & trowel hand application, mix approximately 20kg of ROCKCOTE QRender PM100 to 3.5L of clean water for a minimum of 3 minutes. Allow mixture to activate for 5 minutes and adjust consistency by adding a little more water if required.
Wet Thickness Per coat	Optimum results are normally achieved by applying 4 to 12 mm thick per coat. Should not be applied in a single coat greater than 12mm thick.
Drying (55% Relative Humidity, 25°C)	Dry in approximately 8 hours under normal drying conditions. (Dry times vary with changes in temperature and humidity and residual moisture in the substrate).
Curing	Once initial dry set has occurred, rewet 2 to 3 times a day with clean water for 2 days. This is especially important during hot and/or windy weather.
Finishing	Can be screeded and floated or sponge finished to give desired texture. Finished appearance is light grey in colour. Finished colour can vary due to curing conditions and finishing technique.

Clean Up	Clean with water immediately after use if render has not cured. Remove any unwanted misapplication or spatter from surfaces with water as soon as possible and preferably before dry. Recently dried render may be more easily removed with warm water and detergent.
Maintenance	Any identified damaged should be repaired as soon as possible. Refer to ROCKCOTE specification on General Maintenance.
Durability	Excellent interior or exterior. Not for use over active chimney flues.

THEORETICAL SPREADING RATES

Coating Thickness (mm)	m ² /20kg bag	kg/m ²
4mm	2.0	10.9
12mm	0.7	31.1

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

If the total thickness of the material is to exceed 12mm but less than 20mm then a key coat of ROCKCOTE QRender PM100 made with 25% ROCKCOTE Acrybond/Water gauging liquid mix must be applied and allowed 24hours to cure before subsequent ROCKCOTE QRender PM100 coats are applied.

If the total thickness of the material is to exceed 20mm then ROCKCOTE QRender PM100 must be mesh reinforced and mechanically fixed to the substrate with fixing pin.

STORAGE, SAFETY & HANDLING

Refer to ROCKCOTE MSDS for QRender PM100

- Refer to Rockcote MSDS for QRender PM100
- ROCKCOTE QRender PM100 must be kept dry during transportation and storage.
- When working with ROCKCOTE QRender PM100, observe the usual precautions for handling cement based products.
- Avoid inhalation of the powder, prolonged skin contact and particularly eye contact.
- If contact occurs, flush thoroughly with clean water.
- Wear protective clothing to minimise skin contact and wear goggles where spatter is likely.
- Where spills occur, sweep up dry material or soak up liquid spillage with sand/sawdust and remove to suitable disposal.
- 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.