

Rendex® Hilite Render

PRODUCT TYPE	PACKAGING
Prep Coats - Render	15kg Paper Bag

1. DESCRIPTION

Rendex® Hilite Render is a light weight, cement based, polymer modified render containing silica sands, low density fillers, acrylic powder to increase adhesion and strength, with proprietary additives to aid workability.

Rendex® Hilite Render is suitable for application to a wide range of substrates. The product is designed for application in a single, high build coat, typically 10 to 20mm. Ideal for rendering masonry with deeply raked mortar joints.

2. FEATURES & BENEFITS

- Very strong adhesion
- Excellent crack resistance
- Excellent water resistance
- Low density for light weight

3. SUITABLE SUBSTRATES – *when properly prepared*

Suitable substrates	Liquid bond required?
Cement Render, Tilt panel walls & Concrete Blocks	No
Concrete and Clay Brickwork	Only for very low porosity, eg Clinker bricks
Fibre Cement Sheeting	No
Other primed exterior surfaces	No

4. SUBSTRATE PREPARATION

- All surfaces to be rendered must be clean, sound and free from contaminants including; oil, mould release, dust, dirt, silicone, mud, grease, salt, efflorescence, animal droppings and any loose or flaking material.
- Rendex® Hilite Render requires a moderate amount of 'suction' by the substrate to give good adhesion. A dry, high porosity surface can rob too much water from the render and give a powdery, low strength finish.
- Test the substrate by applying water – the surface should immediately absorb the water and remain damp.
- Highly porous substrates should be tempered with water to reduce suction or coated with a solution of one part Rendex® Liquid Bond to 2 parts water immediately before rendering

5. APPLICATION

Rendex® Hilite Render is normally applied by trowel and must be over coated using appropriate components selected from the Rendex® Coating System, either Rendex® Basecoat Render for a render finish or a Rendex® Texture Coating.

Mixing Method

Note: When mixing Rendex® Hilite Render for the first time it is advisable to start by using the minimum amount of water recommended for the first bag and then adjusting the workability by following the procedure below. The total amount of water used in this first mix can be recorded and used as a guide for mixing subsequent bags.



- 3.5 to 4 litres of water is required per bag of Rendex® Hilite Render (depending on the substrate & desired workability)
- Add the required quantity of water to a suitable mixing vessel. Add Rendex® Liquid Bond, (if required), and mix.
- Add the Rendex® Hilite Render to the water steadily while mixing with a power stirrer until it is smooth and lump free.
- Allow the mix to stand for five (5) minutes before use or before adding extra water and remixing to adjust to the workability required.

Pot Life

- When mixed with water the maximum pot life is one to two (1-2) hours, do not add more water to extend pot life as this will reduce the strength and durability of the finished render

Applying to the substrate

- Apply a coat of the desired thickness, typically 10- 20mm, with a steel trowel.
- Work on a 1- 2m² area using the trowel to flatten and smooth the surface.
- Work in this fashion until the whole area is flat and even.
- Note that Rendex® Hilite Render gives a relatively sticky mix due to the acrylic polymer content. This stickiness plus the large, low density aggregate, means that screeding of the surface will cause dragging and give a rough finish. Heavy screeding and rubbing up are therefore not recommended.

Coverage

Thickness (mm)	m ² per 20Kg bag
10-20	0.8 – 1.5

Curing Time

Curing time allows the render to develop sufficient strength to resist mechanical damage before overcoating.

- Allow 7 days before applying texture or paint coatings to a 10 -20mm render coat.
- Ensure Rendex® Hilite Render has a residual moisture content <10%. Before applying primer, texture or paint coatings. Moisture meters should be used.

Important Notes

- Do not apply Rendex® Hilite Render on unprotected surfaces when rain is anticipated within 6 hours of completion of work for the day, longer in damp, cold +/- humid conditions.
- Avoid application in full sun, on hot surfaces or in hot windy conditions.
- Application should be carried out on a day with temperatures above 10°C and below 32°C ambient.
- Coated area must be protected from damage until the completion of the project; finished work must be protected from rain, frost and severe weather conditions until fully dried.

6. OTHER CONSIDERATIONS

Clean-Up	Clean up with water.
Shelf-Life – Unopened Bags	Maximum 1 year from date of manufacture when stored correctly.
Transport & Storage	Store in a dry place, off floor level and preferably on the original pallet.

7. SAFETY & HANDLING

Refer to SDS for Rendex® Hilite Render before use. For further information on Safety Data Sheets, call the Prestige Wall Systems on 1300 663 118 or visit www.rendex.com.au.

When working with Rendex® Hilite Render observe the usual precautions for handling acrylic water based products including:

- Avoid inhalation of the vapour, prolonged skin contact and particularly eye contact.
- Wear protective clothing to minimize skin contact and wear goggles where splatter is likely.
- Where spills occur, soak up liquid spillage with sand/sawdust and dispose of in a sensible manner. Do not permit run-off to sewer, storm water or open bodies of water.

Full bags are HEAVY. Wear protective footwear and seek assistance if necessary.

8. FIRST AID MEASURES

Refer to SDS for Rendex® Hilite Render before use. For further information on Safety Data Sheets, call the Prestige Wall Systems on 1300 663 118 or visit www.rendex.com.au.

Ingestion: If swallowed, wash out mouth with water. Do NOT induce vomiting. Drink at least two (2) glasses of water. Seek medical attention.

Eye: Wash with copious amount of water for 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into non-affected eye. Seek medical attention.

Advice to Doctor: Treat symptomatically.

9. SUPPLIED BY

Prestige Wall Systems.