WALLCOTE® HPS RENDER™

PRODUCT TYPE
Prep Coats - Render

PACKAGING
20kg Paper Bag

DESCRIPTION

Acryloc Wallcote HPS (High Polymer Strength) Render is a multi-purpose, one component, highly polymer modified render requiring only the addition of water to give excellent workability and superior adhesion to Low Porosity surfaces such as non weathered EPS (Expanded Polystyrene), painted masonry surfaces and EIFS (External Insulation Finishing Systems)

Wallcote HPS render is also ideal for rendering or patching most common substrates including concrete blocks, clay bricks, rendered walls, off-form concrete, Fibre Cement, Precast Concrete Blocks / Panels and stonework.

FEATURES & BENEFITS

- Very strong adhesion
- Excellent water resistance
- Excellent crack resistance
- Excellent durability
- Aids coverage of subsequent coatings
- Low maintenance
- Easy to apply
- Easy & safe clean up

Refer to the Wallcote System specification for the substrate being coated and carry out any preparatory steps.

Prep Coat
Wallcote HPS Render

Primer (if required)
Primerbond Masonry Concentrate, Primerbond Grip Coat
Primerbond Rendercoat (or) Primerbond Green Render

Texture Coating (if required)
Acryloc Marblecote Medium
(or) Eco-Tex Fine or Medium or Scratch

Membrane Coating (required for full warranty)
Armourflex Masonry Matt, Low Sheen or Armourflex Extreme

SUITABLE SUBSTRATES – when properly prepared	Liquid Bond required?
Cement Render & Concrete Blocks	No
Concrete and Clay Brickwork	No
Precast Concrete / Tilt Panel walls	No
Fibre Cement Sheeting	No
Expanded Polystyrene (EPS) / EIFS Panel	No
Other primed exterior surfaces	No
Other proprietary cladding systems (*subject to manufacturer's recommendations)	If specified*

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
- Highly porous substrates should be tempered with water to reduce suction or coated with a solution of one part Acryloc Liquid Bond to 2 parts water immediately before rendering.
- Refer to Important notes below regarding un coated Expanded Polystyrene Systems (EPS) panels

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APPLICATION

- Care should be taken to keep *Wallcote HPS Render* off windows and adjacent surfaces that are not to be coated, as it can be extremely difficult to remove once allowed to dry. Areas not to be coated should be masked and protected.
- *Wallcote HPS Render* may be applied by trowel or with suitable spraying equipment.
- Due to the high polymer content, *Wallcote HPS Render* should not be allowed to dry on tools as it will prove extremely difficult to remove once allowed to dry. Always clean tools with clean water immediately following use.
- *Wallcote HPS Render* is normally over coated using appropriate components selected from the Wallcote™ system.
- When using *Wallcote HPS render* on un coated (non weathered) EPS foam, 165 GSM alkaline resistant mesh must be embedded into the freshly applied render. Please refer to manufacturers coating spec sheet for detail.

Mixing Method

Note: When mixing Wallcote *HPS 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 - 4 litres of water is required per bag of *HPS Render* (depending on method of application & workability required)
- Add the required quantity of water to a suitable mixing vessel.
- Add the *HPS 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 (1) hour @ 25º ambient, do not add more water to extend pot life as this will reduce the strength and durability of the finished render.

Brickwork & common masonry substrates

- Apply a coat of 3 - 5mm thickness
- Work on a 1- 2m^2 area and immediately finish with a suitable straight edge.
- Work in this fashion until the whole area is flat and even.
- Apply second and subsequent coats as required, with each being no less than 3mm and up to 5mm thick.
- Once the finish coat/s have firmed slightly, rub-up with a wooden, sponge or polystyrene float to produce an even, uniform and smooth surface.

Proprietary façade systems including EPS (Expanded Polystyrene Systems)

- Follow the façade manufacturer's specifications for finish coats and consult the relevant Acryloc Specification Sheet for required special instructions. **Note; if in any doubt, call our Tech-info advice line. (1300 661 745)
- **Important Note:** If coating onto a bare foam panel and the surface is exposed to UV (sunlight) even for a few days, the panel surface MUST be thoroughly cleaned to remove any oxidized layer on top of the panel. HPS render will NOT stick to oxidized Expanded Polystyrene. Use a stiff bristled brush and remove oxidized layer by scrubbing panel back to clean foam.

Coverage

Thickness (mm)	m^2 per 20Kg bag
3-5mm	2.5-3.5 m^2

Curing Time

Curing time allows the render to develop sufficient strength to resist mechanical damage before overcoating.
Ensure Wallcote HPS render has a residual moisture content <10%. Before applying primer, texture or paint coatings Moisture meters should be used.

Single render coat

Allow 3 days before applying texture or paint coatings to a single, fresh 3-5mm render coat.

Sprayed Render

Allow 5 days before applying texture or paint coatings to a single, fresh sprayed render coat. More time is required because sprayed render is normally applied thicker than 3-5mm and because the mix contains more water per bag.

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Important Notes

- Do not apply Wallcote *HPS Render* on unprotected surfaces when rain is anticipated within 6 hours of completion of the days work, longer in damp, cold +/or 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
- If coating onto a bare foam panel and the surface is exposed to UV (sunlight) even for a few days, MUST be thoroughly cleaned to remove any oxidized layer on top of the panel. HPS render will NOT stick to oxidized Expanded Polystyrene. Use a stiff bristled brush and remove oxidized layer by scrubbing panel back to clean foam.

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.

SAFETY & HANDLING

Refer to **SDS** for ***Wallcote HPS Render*** before use. For further information on Safety Data Sheets, call the Acryloc **Tech – Info line** on **1300 661 745** or visit **www.acryloc.com.au**

When working with ***Wallcote HPS Render*** observe the usual precautions for handling cement based mortars & renders including:

- Avoid inhalation of the dust, prolonged skin contact with wet mortar and 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, sweep up loose powder 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.

FIRST AID MEASURES

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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

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