WALLCOTE® FR RENDER™

PRODUCT TYPE
Prep Coats - Render

PACKAGING
20kg Paper Bag

DESCRIPTION

Wallcote FR Render is a one component fibre reinforced, polymer modified render, designed for rendering and leveling irregularities in Autoclaved Aerated Concrete (AAC) panels and blockwork.
In addition to having excellent workability and adhesion, Wallcote FR Render has similar hardness, tensile and compressive strength to the AAC, so as not to delaminate from or crack the substrate.

FEATURES & BENEFITS

- Purpose designed for AAC
- Excellent adhesion
- Excellent crack resistance
- Excellent water resistance
- Good Vapour permeability
- Excellent durability

SUBSTRATE PREPARATION

- Areas not to be coated should be masked and protected.
- 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
- Level off any proud blocks and patch and fill any holes.
- Remove any loose particles with a broom.
- Wallcote FR requires a moderate amount of 'suction' by the AAC substrate to give good adhesion.
- High 'suction', where the AAC is completely dry, can rob too much water from the render and give a powdery, low strength finish.
- Excessively wet walls must be allowed to dry while tempering of dry AAC with small amounts of water is advisable in warm weather.
- Rendering should not be carried out in extremely hot, dry or windy conditions.

APPLICATION

- Wallcote *FR Render* is designed to be applied by trowel 2-4mm thick in a single application. Two coats may be applied where a higher build is required.
- Wallcote *FR Render* must be over coated using appropriate components selected from the Wallcote™ system.

Mixing

Mechanical mixing is required. A drill style mixer with a speed of 600rpm and a spiral mixing paddle is recommended.

Note: When mixing Wallcote *FR Render* for the first time it is advisable to start by using the minimum amount of water recommended for the first bag and then adjust 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 clean water is required per bag of *FR Render* depending on the workability desired.
- Add the *FR Render* to the required quantity of water steadily while mixing and continue to mix until an even colour and consistency is obtained. Small amounts of extra water may be added to adjust the consistency.

Care must be taken not to add excess water as this can cause shrinkage cracking and low strength.
Do not add additional cement, lime or any other materials to the mix.

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Pot Life

- When mixed with water the maximum pot life is about one (1) hour; do not add more water to extend pot life as this will reduce the strength and durability of the finished render.

Applying to AAC

- Apply a coat of 2-4mm thickness to the AAC block or panel with a steel trowel.
- Once the render has firmed, rub-up with a wood or polystyrene float to produce an even, uniform smooth surface.
- Allow minimum 3 to 4 hours curing time before applying second and subsequent render coats.
- Allow at least 24 hours and preferably 2 to 3 days curing per coat of render before applying texture or paint coatings.

Coverage (over good, even AAC)

Thickness	2-4mm	per 20Kg bag	7-9 m^2

Curing Time

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

- Allow 1-2 days before applying texture or paint coatings to a 2-4mm render coat.
- Ensure Wallcote FR has a residual moisture content <10%. Before applying primer, texture or paint coatings Moisture meters should be used

Important Notes

- Wallcote *FR Render* must not be allowed to bridge the damp course and must be protected in areas where water may continually splash or wet the surface.
- Technical advice should be sought where expansion joints are incorporated in the substrates or between substrates.
- Do not apply Wallcote *FR Render* on unprotected surfaces when rain is anticipated within 6 hours of completion of work for the day, 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

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.
For further information refer to SDS for Wallcote *FR Render*.

SAFETY & HANDLING

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

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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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