

INTRODUCTION

QCRX5588-20kg QC Hebel Render 20kg

DESCRIPTION AND IMAGE

Quikcote Hebel (ACC) render is suitable for power panel joints, Hebel block and all other Hebel surfaces. Hebel Render has been designed to reduce suction rate therefore making it easy to work with and apply. Adding strength, but also long-term resistance to weathering.



FEATURES AND BENEFITS

- Polymer modified.
- Easy to apply consistency, with minimal stickiness on the trowel.
- Controlled formulation maximises water retention to ensure proper hydration of the cement.

USES

Suitable substrates - when properly prepared:

- Masonry and rendered surfaces.
- AAC Hebel blocks and panels.

TYPICAL SPECIFICATIONS

Typical System

Title:

Typical System for New Autoclaved aerated concrete (AAC) block or panel [Exterior]

Preparation Guide

Substrate Notes

General

AAC is manufactured from sand, lime, and cement, to which is added water and aluminium paste. After mixing, the cement slurry is poured into moulds. The aluminium paste reacts with the alkaline elements in the mixture and forms hydrogen gas. This liberated gas expands the mixture forming extremely small finely dispersed air spaces. The product is removed from the mould after a few hours, cut to the required dimension and finally cured under pressure in a steam autoclave.

Coating-Finishing systems for AAC must meet specific substrate supplier technical requirements. Typically, AAC requires an AAC specific render levelling coat plus a performance Acrylic Texture system. Standard cement renders

(including site mixed and general bag mixed) are strictly NOT recommended by substrate suppliers and may lead to cracking and delamination.

AAC Block Wall Systems are (typically) load-bearing external wall solutions for homes as an alternative to traditional double brick construction. The systems typically consist of a single skin external wall, constructed using 200mm AAC Blocks and internal walls using a single skin of 100 - 125mm AAC Blocks or 150mm AAC Blocks for load-bearing walls. Blocks are glued together (thin bed) using AAC Manufacturer's adhesive to a design standard of providing a level, fully filled joint.

AAC 50 or 75mm Panel (AAC Reinforced Panel)

AAC Panel is (typically) a 50 or 75mm panel of Autoclaved Aerated Concrete (AAC) with corrosion protected steel reinforcement embedded during production.

This lightweight, yet solid masonry panel is designed for external cladding in timber or steel frame construction. Panels are glued together (thin bed) using AAC Manufacturer's adhesive to a design standard of providing a level, fully filled joint.

Substrate Preparation Notes

Assess suitability

Check that the AAC blocks or panels are installed strictly in accordance with the AAC manufacturer's installation instructions. Ensure all AAC joints are completely and fully glued along their entire contact area. Failure to ensure full glue contact and cure will cause joint cracking and void all warranty of the coating system. It is the responsibility of the AAC installer to ensure all joints or major imperfections and misalignments are filled and sanded true and flush before applying any coating system. They must be flush and plumb ensuring the best possible surface prior to application of the base coat. Uneven face alignment will require additional materials to achieve a flush and level facade.

Check that expansion joints are strictly in accordance with AAC manufacturer's design guides, including the incorporation of discontinuous top hat sections across joints and at corners. Expansion joints are recommended at (max) 3m height and 6m wide intervals and at all building weak points such as around openings (e.g. windows, doors, and garage doors), horizontally between all floor levels, and at all interfaces of different building construction materials.

Clean surface

Remove any dust, laitance or efflorescence by brush or broom. Wash down the surface with clean potable water to ensure that the AAC surface is sound, clean, and free of all dust, dirt, salts, or any other surface contaminants.

Repair surface imperfections

Sand off or rasp surface misalignments, protrusions, mortar splashes, adhesive and other contaminants to leave a level surface. Fill voids and other imperfections with a suitable patching compound.

Install Mesh centrally over all joints (except control joints) with stainless steel staples – take care not to bulge mesh.

Dampen surface with water or suitable primer to prevent the substrate's porosity from hindering the curing of the base render.

Apply the specified render over the entire area in strict accordance with the technical data sheet, taking great care to ensure control joints remain free of levelling material during application. Ensure the finish is level and suitable for the specified texture coating system.

Allow to fully cure.

Prime surface

Prime surface with the specified primer/sealer.

Treat joints

Clean out and fill all control joints with a suitable paintable polyurethane joint sealant. Care must be taken to ensure joint remains free of levelling or texture material during application, or joint is cleaned out prior to sealant application. Typical control joint width is 10mm.

Install sealant in strict accordance with manufacturer recommendations and as neatly as possible – take great care not to smear the sealant on the façade side or edge of the expansion joint recess – use masking tape to protect edges.

Failure to confine sealant to expansion joint recess only will lead to cracking of the texture coating over the smears. After sealant is cured apply a 6 to 8mm masking tape over the sealant.

Apply texture

Apply the specified texture coating to the entire area, removing all masking tape as soon as possible and well before the texture coating has skinned. Do not allow the texture coating to set over the control joint sealant.

Apply topcoat

When top coating the texture coating with an elastomeric topcoat, apply the topcoat to the entire joint, including sealant.

Coating System Summary

1 st Coat	Quikcote Hebel Render
2 nd Coat	Quikcote Trowel Texture Coarse
3 rd Coat	Quikcote Texture Topcoat
4 th Coat	Quikcote Texture Topcoat

Notes:

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TYPICAL PROPERTIES

V.O.C. Content

Not available.

Clean Up

Clean up water Clean all equipment with water after use.

Application Methods

- Steel trowel.
- Foam Float.

Specifications

Solids by Volume

100

Min

Max

Wet Film Per Coat (microns)

3000

4000

Dry Film Per Coat (microns)

3000

4000

Theoretical Spread Rate (m²/L)

0.3

0.2

Drying Time

Min

Max

Recoat Time (min/hours)

7-10 days

Indefinite

Typical Property Notes

- General Guide to hardening/drying – render will reach maximum strength in 28 days from application.

- Product drying time will vary depending on the ambient weather conditions and substrate porosity and moisture content, avoid application on hot surfaces or in hot windy conditions. Check local weather conditions before application. Do not apply if poor weather is anticipated.
- Product should be applied at ambient and substrate temperature of between 10°C and 30°C and where the temperature is at least 5 degrees above the ambient dew point (or relative humidity of below 50% as an alternate guide).
- 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.

APPLICATION GUIDE

Surface Preparation

- Refer to the bag label for detailed information
- The substrate must be clean. Cement render relies on substrate "suction" for adhesion and subsequently "free moisture" for proper hydration-cure, and therefore masonry surfaces must be absorbent but not so absorbent that they rob water away from the render during early cure stages. Test surface absorption with water - Surfaces must immediately absorb water to become "dark damp" and remain damp.

Application Procedure and Equipment

Tools/Machinery Required: Hawk & Steel trowel, Polystyrene float, plastic floats, straight edge, sponge, power mixer, masking tapes, drop sheeting.

- Mix one (1) 20Kg bag of Hebel Render to @ 3.5 – 4.5 litres of clean water using a power mixer.
- Add the Dry Mix water steadily while mixing with a power stirrer until the consistency is smooth and lump free.
- Allow the mix to stand for 5 minutes, remix before use or before adjusting consistency if required.
- Hebel render is a two-coat application.
- Hebel Power Panel Joints must be first setup using QuikPatch with an embedded mesh.
- After QuikPatch has dried apply first base coat of Quikcote Hebel Render of 3 -4mm thickness across the panel with a steel trowel and finish off with a polystyrene float.
- Once the first coat is firm and dry apply a second coat of 3-4mm, work on a 1- 2m² at a time, once the finish coats has firmed slightly, rub-up with a polystyrene plastic float to produce an even, uniform, and smooth surface.
- Do not apply over expansion joints Hebel Render should be completely dry before application of topcoat, ideally 7 days from date of application.

HEALTH AND SAFETY

SDS Number

DLX004303

SDS Link

[View SDS Link](#)

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Using Safety Precautions

Mixed cement pastes are alkaline and can cause skin irritation.

Wear rubber gloves and suitable coverage of skin (e.g. long sleeves) to avoid skin contact.

Wear appropriate respiratory/ Dust mask and do not breathe dust or mist.

PRECAUTIONS AND LIMITATIONS

Please refer to Manufacturer's Warranty documentation for details;

To ensure colour uniformity and for optimum performance, Quikcote recommend a full coating system including a Membrane topcoat.

For all systems, the Texture &/or Base Coat should be tinted in accordance with Tint Guide to the specified topcoat colour (or a colour as close possible to the specified colour as product and Quikcote tint rules allow).

Important: Not all colours are suitable for exterior use.
 Ensure that you have adequate tinted stock to complete the job in one application.
 All material must be thoroughly cross-mix to ensure tint uniformity.
 It is recommended to hold a volume of finish material for future maintenance touch-ups.

Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

- Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
- Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
- Dry times apply to a single coat at recommended spread rate and at 25°C and 50% Relative Humidity.
- Allow longer times under cool, moist, or still conditions and or when applied at high film builds.
- Protect from dew, rain and frost for 48 hours when apply at the recommended spread rate.
- Avoid application in hot, windy conditions or on hot surfaces cool the surface by hosing with water and paint the cool damp surface.
- The exterior texture coatings should be cleaned on a regular basis.
- This will help maintain your overall aesthetic appearance and preserve your Quikcote Texture coating system.

Cleaning once every year will remove light soil as well as grime and airborne pollutants.

TRANSPORT AND STORAGE

Line Shade /Pack A
 QCRX5588-20kg

Shipment Name
 Not dangerous goods. No special transport requirements.

Size

20 Kg

Weight

20 Kg

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Any information provided in this Data Sheet is given in good faith and is believed by Quikcote to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Data Sheet, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Data Sheet, and as recommended on the applicable Safety Data Sheets for the relevant products, available from www.quikcote.com.au. Climatic conditions at application time can affect product suitability and performance.

The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Quikcote does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

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WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.