

### INTRODUCTION

QCRX5586-15kg QC High Build Render 15kg

### DESCRIPTION AND IMAGE

Quikcote High Build Render is a quality dry mix, cement based, polymer modified render containing washed and graded sand and light weight additives. Quikcote High Build render has been designed specifically for irregular masonry wall surfaces, patching deep crevices and holes. This light render can be built up to 50mm thick in multiple applications.

Quikcote High Build Render provides the ideal base for the subsequent application of variety of Quikcote texture and topcoat finishes.



### FEATURES AND BENEFITS

- High Build Application – Build to 50mm in multiple passes
- Controlled formulation.
- Good adhesion.
- Pre-packed.
- Fast, efficient application.
- Minimal drying shrinkage.

### USES

- Clay Bricks and Concrete Bricks.
- Concrete blocks.
- Other similar masonry surfaces.

### TYPICAL SPECIFICATIONS

#### Typical System

Title:

**Typical System for Misaligned Concrete block, brick, masonry [Exterior]**

#### Preparation Guide

##### Substrate Notes

Masonry construction materials are predominantly clay brick and concrete block, held together by mortar.

##### Concrete block

Concrete blocks are made of a controlled concrete mix poured into steel moulds to very precise dimensions and are therefore usually flush-laid.

Concrete blocks are highly porous and require protection against moisture ingress.

### Brick

Bricks are generally kiln-fired clay, which can be glazed or unglazed. Highly glazed bricks should be mechanically ground or scabbled to improve adhesion of the coating system. Clay bricks sometimes contain vanadium or manganese which can bleed through water-based coatings if not sealed with a stain-blocking primer.

The brick or block surface should be examined to determine if it has been laid to specification and that the surface variation is within acceptable tolerances. If applying a texture coating system, the degree to which the texture coating camouflages flush walls depends on how flush the substrate has been constructed. Deeply raked brickwork will require much more render material than face-laid brickwork.

### Substrate Preparation Notes

#### Assess suitability

Mortar and cement-based products must be fully cured for at least 28 days before painting. Examine the surface for the presence of dirt, stains, mortar splashes, building marks, efflorescence or other contaminants. Check concrete moisture content with a standard moisture meter, which must be no greater than 10%. Efflorescence is a sign of moisture ingress and must be addressed before any coating can be applied.

#### Clean surface

Remove all dirt, dust, mortar smears, efflorescence, laitance, powdery surfaces and all other surface contaminants by water blasting with clean, potable water at 1500 - 2500 PSI water blast. Removal of oily deposits may require the addition of a free-rinsing alkaline degreaser to the water.

Remove any remaining firmly adherent contaminants with paint scraper, wire brush, power tool fitted with a cup brush or as appropriate and wash off debris with clean, potable water. Treat mould or moss if present with a suitable biocide treatment strictly in accordance with the manufacturer's instructions after the substrate has been pressure washed, leave for 24 hours prior to coating.

#### Repair surface imperfections

Any design faults leading to structural failure must be corrected prior to repainting. Repair any cracks, voids or other surface imperfections with a suitable repair product depending on the size and extent of the defect. Ensure repairs are finished flush with the sound surface and allowed to cure.

Fill any gaps resulting from structural movement with a paintable high-performance flexible adhesive sealant and smooth off.

#### Sand surface

Sand off any repaired or uneven areas with a large hand sander or pole sander and dust off.

#### Check moisture

Check moisture content of the floor prior to painting and ensure that it is no greater than 5%\*.

\* To minimise the risk of moisture interference, Quikcote recommends the following 2 tests be conducted prior to coating; ASTM F2659-10.

"Standard Guide for Preliminary Evaluation of Concrete, Gypsum Cement and other Floor Slabs and Screeds using a Non-Destructive Electronic Moisture Meter" (Moisture Content to be <5%), and ASTM D4263 "Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method" (no visible moisture present). If there is concern about moisture in the substrate, refer to Dulux Protective Coatings for further evaluation.

### Prime

Prime surface as soon as possible and before contamination reoccurs.

### Coating System Summary

Prep Coat Prep Coat 1 <sup>st</sup> Coat 2 <sup>nd</sup> Coat 3 <sup>rd</sup> Coat 4 <sup>th</sup> Coat	Primer Quikcote High Build Render Quikcote Coarse Acrylic Dry Render Quikcote Trowel Texture Coarse Quikcote Texture Topcoat Quikcote Texture Topcoat
Notes: -	

TYPICAL PROPERTIES		
<b>V.O.C. Content</b>		
Not available.		
<b>Clean Up</b>		
Clean up water Clean all equipment with water after use.		
<b>Application Methods</b>		
<ul style="list-style-type: none"> <li>• Steel trowel.</li> <li>• Plastic Float.</li> </ul>		
<b>Specifications</b>		
	Solids by Volume	
	100	
	Min	Max
Wet Film Per Coat (microns)	36000	10000
Dry Film Per Coat (microns)	6000	10000
Theoretical Spread Rate (m <sup>2</sup> /L)	0.2	0.1
<b>Drying Time</b>		
	Min	Max
Recoat Time (min/hours)	7-10 days	Indefinite
<b>Typical Property Notes</b>		
<ul style="list-style-type: none"> <li>• General Guide to hardening/drying – render will reach maximum strength in 28 days from application.</li> <li>• 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.</li> <li>• Check local weather conditions before application. Do not apply if poor weather is anticipated.</li> <li>• 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).</li> <li>• 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.</li> <li>• Primer/ Paint coatings should not be applied to mineral coating until sufficiently hardened and dried.</li> </ul>		

### APPLICATION GUIDE

#### Surface Preparation

- Areas not to be coated should be masked and protected.
- All surfaces to be rendered must be dry, 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.

#### 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) 15Kg bag of High Build 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.

#### Brickwork & similar masonry substrates

- Apply a build coat of 6 to 10mm thickness.
- Work on a 1- 2m<sup>2</sup> areas and finish with a suitable straight edge or float.
- Work in this fashion until the whole area is flat and even.
- If required apply second coat, with each being no less than 4mm and up to 10mm thick, use a straight edge to level and finish with polystyrene float.
- If required, apply a finish coat of Quikcote Acrylic Render, once the finish coat/s have firmed slightly, rub-up with a plastic or polystyrene float to produce an even, uniform and smooth surface.
- Do not apply render over expansion joints.

### HEALTH AND SAFETY

#### SDS Number

DLX004287

#### 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  
QCRX5586-15kg

Shipment Name

Not dangerous goods. No special transport requirements.

Size

15 Kg

Weight

15 Kg

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Unless Quikcote has provided you with a customised, project-specific specification, this Data Sheet does not represent that any product or product system will be suitable for your project.

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](http://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.