# ROCKCOTE Marrakesh Lime Plaster Finishes - Concrete Block RenderSpec

## General

### Description of Works/Specification Notes

ROCKCOTE Marrakesh is a fine/medium grained lime plaster that can be used on the interior.
ROCKCOTE Marrakesh is composed of hydrated lime, natural aggregates and additives.
ROCKCOTE Marrakesh can be tinted with alkali resistant mineral pigments to achieve a range of natural colours and attractive patina effects.
When applied by a skilled 'Resene Construction Systems Artisan' ROCKCOTE Marrakesh can be worked to a smooth polished look, but many different styles of finish can be achieved by using different trowels, floats, sponges and finishing techniques.

### Properties

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- Volume Solids: 100%
- Coverage Rate: Approximately 3 square meters per 16kg bag at 4mm thickness.
- Substrates: All prepared base coats of plaster, plasterboard
- Abrasive strength: Excellent
- Adhesion: Excellent
- Vapour Permeability: No vapour barrier formed
- VOC: 1 grams per litre
- Colour: grey
- Packaging: 16kg bags
- Clean up: Water while the product is wet
- Use by: 6 months from date of manufacture
- Storage: Cool, dry place of the ground
- Application Temperature: + 5 °C to + 30 °C
- Usual No Coats: 2
- Drying/Curing Time: 28 days
- Touch Dry: 8 hours
- Dry to Recoat: 24 hours
- Film Build: Approximately 2mm dry film build per coat
- Thinning: N/A
- Mean Vapour flow rate: 54.99g/m²d (ASTM E96/E96M-13 Water Method)
- Mean Resistance: 2.01MNs/g (ASTM E96/E96M-13 Water Method)
- Fire Group Classification: 1-S (Test in accordance with ISO 5660:2002)

## Building Code Compliance

If the project has a building consent then the following clauses apply.

### B2 - Durability

This specification complies with the requirements as set out in B2 - Durability which must always be considered when demonstrating compliance with each of the clauses of the Building Code. It ensures that a building throughout its life will continue to satisfy the performance of the Building Code. It confirms the use of materials that will remain functional throughout the specified intended life of the building, but not less than 50, 15 or 5 years

This system meets the expected durability of the NZBC of at least 5 years

### F2 - Hazardous building materials

This specification complies with the requirements as set out in F2 - Hazardous building materials which safeguards people from illness and injury from quantities of gas, liquid, radiation and solid particles caused by exposure to building materials

### On Going Maintenance Instructions

Provide ongoing maintenance instructions required to meet the performance requirements of the NZBC.

### Building Consent Authority Requirements

All the appropriate inspections are to be carried out by a BCA representative and that it complies with the NZBC requirements.

## Documents

### Abbreviations

The following abbreviations are used throughout this work section:

- BCA - Building Consent Authority
- LBP - Licensed Building Practitioner
- PPCS - Proprietary Plaster Clading System
- MPNZA - Master Painters of New Zealand Association
- MSDS - Material Safety Data Sheet
- NZBC - New Zealand Building Code

### Manufacturers Documents

Copies of the above relevant company documents referred to in this specification are available at;

Resene Construction Systems
Web: reseneconstruction.co.nz
Telephone: 0800 50 70 40

### No Substitutions

Substitutions are not permitted to any specified Resene Construction Systems system. Materials and execution to Resene Construction Systems specification except where varied by this specification and supported by architectural detailing.

## Documentation

### Finish Sample

Submit one 300 mm x 300 mm sample of the selected texture finish and colour for approval on request by the main contractor or specifier. Obtain signature of acceptance on sample and return to the Registered Plasterer.

### Maintenance Instructions

Provide Resene Construction Systems Maintenance Guide on or before practical completion of the contract for issuing to the building owner. Resene Construction Systems Maintenance Guide to be provided on request.

### Health and Safety

Refer to the requirements of the Health and Safety in Employment Act 2015 and Worksafe NZ: Guidelines for the provision of facilities and general safety in the construction industry. If the elimination or isolation of potential hazards and risks is not possible then minimise hazards and risks in this work on site by using the proper equipment and techniques as required in the MPNZA Painters hazard handbook. Supply protective clothing and equipment. Inform employees and others on site of the hazards and put into place procedures for dealing with emergencies. Obtain from Resene Construction Systems the Material Safety Data Sheets for each product. Keep sheets on site and comply with the required safety procedures. Confirmation at the start of the project as to whether a Site Specific Safety Plan is to be produced by the Registered Plasterer prior to works starting.

### Warranty

Warrant this system under normal environmental and use conditions against failure. Resene Construction Systems system warranty.
Materials: by Resene Construction Systems - 5 Years Materials only
Execution: by Registered Plasterer - 5 Years Workmanship only

# Components Used

### Mesh - Blue (1200mm wide)

- Alkali Resistant 6mm x 5mm Weave mesh supplied in 50m rolls

### Marrakesh Interior Plaster

- Applied to approximately 2mm thick per coat
- 2 coats of equal thickness one application directly over the previous.

### Lime Plaster Basecote

ROCKCOTE Lime Plaster Basecote is a fine grained lime plaster that can be used both interior and exterior including areas of high humidity such as bathrooms and ROCKCOTE Lime Plaster Basecote is composed of hydrated lime, natural aggregates and additives. ROCKCOTE Lime Plaster Basecote is an ideal undercoat for ROCKCOTE Marrakesh

# Installation/Application

### Check and Prepare Masonry / Clay brick veneer Substrate

Preparation based on new substrate installations.

#### Preliminary Checks

Check that all exposed surfaces of the substrate are straight, plumb, and undamaged. If any loose bricks are identified, they must be removed and replaced. Ensure that pointing has cured according to the manufacturer’s specifications prior to render application.

#### Wall Alignment

Using a straight edge, check joints are smooth and that the wall is flat and true. The Render coating is not designed to straighten deviations that exceed the specified Rockcote Render System thickness.

#### Weep Holes

Weep holes must be kept clear of Render unless an alternative solution is accepted by the BCA.

#### Builder Supplied Flashings

Make sure all builder-supplied flashings are in place. The architectural drawings provide a list of possible flashings.

#### RCS Flashing Installation

Refer to the flashings as outlined within the Resene Construction Systems Specification.

#### Control/Expansion Joint Setouts

For more information about control joints refer to the technical note on the Resene Construction webpage at the following link https://reseneconstruction.co.nz/control-joints/

The main contractor/substrate installer is responsible for all control joints, which must comply with the substrate supplier’s specifications.

# Clay bricks

Control joints shall be included at locations specified by the brick manufacturer.

# Concrete bricks

Control joints shall be included as specified in the New Zealand Concrete Masonry Manual and in any other locations specified by the brick manufacturer.

#### Clean Surface

When the substrate has been left for a period of time, dust and dirt may build up on the surface. This contamination must be removed prior to render application.

#### Masking

Before applying the render, masking must be applied to all joinery, pipes, roofs, and all areas likely to be marked by the render. Use drop cloths and ground covers to keep the working areas clean.

#### Colour selection

For more information about light reflectance values refer to the technical note on the Resene Construction webpage at the following link https://reseneconstruction.co.nz/light-reflectance-values/

#### Improve adhesion

If Render is being applied to the masonry wall, wet the wall down, or apply a solution of Rockcote Acrylbond and Water – ratio 1 part Acrylbond : 4 parts water to minimise the suction of the substrate.

Allows the render to maintain moisture content for longer, providing greater working time. This process assists with the initial hydration / curing of the render application.

### Rockcote Lime Plaster Basecote Mesh Coat

# Surface Preparation

Ensure surface is clean, sound, dry and free from dust, dirt, grease, mould and lichen.

# Mixing

When applying over plasterboard ensure that 25% of the liquid mix should be made up of Acrylbond.

# Application

Plaster can be applied with a steel trowel not less than 1mm thick (5m2 per bag at 2mm thick). Apply with firm pressure lay in mesh and trowel well to embed mesh (for base coat only). Apply plaster only when the temperature is between 5°C and 30°C and will be in that range for the 24 hours period following application.

# Curing:

Render should be protected from hot drying winds and direct sunlight for the first 16 hours. Protect newly applied plaster from rain and water run off for the first 24 hours.

### Resene Construction Systems Mesh (Standard Weave)

#### General

Measured and cut slightly longer than the height/length of the area to be covered.

#### Application of Fibreglass Mesh

Apply the pre-measured mesh from the top of the wall.

Press the fibreglass mesh into the render mix with a steel trowel starting at the centre and working outwards towards the sides, so that it is completely embedded with the render mix forced right through the mesh holes.

Ensure there are no wrinkles or trapped bubbles in the mesh and that it is fully embedded just below the surface of the render.

Do not embed the leading edge of mesh as this locates your next mesh layer.

Mesh must not be exposed but retained as close to the surface as possible.

Overlap mesh 100 mm with the adjacent drop of mesh, and trowel to embed together.

Ensure the fibreglass mesh covers all exposed areas of the substrate, including any recesses around the exterior joinery and internal corners.

Fibreglass Mesh must be bought to the outside edge of all Flashings.

Apply 450 x 150 mm strips of fibreglass mesh `butterflies' diagonally at every corner of openings for window and door joinery, meter boxes etc.

After the render mix has cured, trim off excess length accurately against the flashing edge.

### Rockcote Marrakesh (2 Coats)

Apply first coat of Rockcote Marrakesh to the prepared substrate at not less than 2-3mm mm thick. Flatten / level the surface with a moist sponge float. Allow the first coat to 'take up' - generally 1-2 hours at 18 degrees prior to applying the second coat.

***Important:***

*This specification must be read in conjunction with the Resene Construction Systems technical drawings.*
*No alteration to the Resene Construction Systems RenderSpec® is permitted.*
*All Technical Data Sheets are available at https://reseneconstruction.co.nz/technical-library/technical-data-sheets/*
*All Safety Data Sheets are available at https://reseneconstruction.co.nz/technical-library/safety-data-sheets/*