

Product name:

Marrakesh Interior Plaster

Product Line:

Plaster / Interior Finish

Product description and its intended use:

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. Still, many different finish styles can be achieved by using different trowels, floats, sponges and finishing techniques.

Features

- Natural
- Breathable
- Resistant to moisture and humidity
- Low embodied energy
- 100% recyclable

Benefits

- Extremely durable
- Very hard
- No odour/off-gassing
- People and planet-friendly
- Will improve internal air quality

Typical Use:

It can be applied over a range of standard building substrates following correct surface preparation e.g. Gypsum plasterboard, fibre cement sheet, masonry block & brick. Ideal for traditional plastering to feature walls.

ROCKCOTE Marrakesh will comply with regulations surrounding the refurbishment and repair of heritage-listed and architecturally sensitive buildings.

Product identifier:

The product name with the production date is printed on the finished bag.

Place of Manufacture:

Australia

Legal and Trading Information:

Legal and trading name of the manufacturer(s):	Rockcote Australia
Address of the Manufacturer:	18 Machinery Rd, Yandina QLD 4561, Australia
Website Address:	https://rockcote.com.au
Email Address:	enquiries@rockcote.com.au
Phone Number:	+61 1300 736 668

Legal and trading name of the importer(s):	Rockcote Resene Limited
Address of the Manufacturer:	32-50 Vogel Street, Naenae, Lower Hutt
Website Address:	https://reseneconstruction.co.nz
Email Address:	help@reseneconstruction.co.nz
Phone Number:	0800 507040
NZBN:	9429034745786

This product is not subject to a warning or ban under s26 of the Building Act.

Relevant Building Code clauses:

- Clause B1 - Structure - Performance B1.3.1, B1.3.2 and B1.3.4
- Clause B2 - Durability - Performance B2.3.1 (b) 15 years, B2.3.1 (c) 5 years and B2.3.2
- Clause E2 - External Moisture - Performance E2.3.2
- Clause F2 - Hazardous Building Materials - Performance F2.3.1

How the building product is expected to contribute to compliance:

This product is used and has been tested as part of a wider system.

B1 - This product has a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during construction or alteration and throughout its life. This product has a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout its life and during construction or alteration when the building is in use. This product has made allowance for the requirements of this functional requirement.

B2 - When installed in accordance with the system specifications and drawings, it will meet this performance requirement. Based on material properties and history of use, this product has been assessed to have a durability of at least 15 years when installed as part of a system. This product must be installed in accordance with the relevant specifications outlined in the design section of this document.

E2 - When installed in accordance with the system specifications and drawings, it will meet this

performance requirement.

F2 - This product is safe when handled in accordance with its Technical and Safety DataSheet. Dust resulting from sanding and mixing compounds may be a respiratory irritant, and the use of suitable respiratory protection is required. This product meets the requirements set out in F2 and will not present a health hazard to people once installed.

Limitations on the use of the building product:

Lime plasters have low flexibility, and as such, ROCKCOTE Marrakesh does not have the ability to bridge "live" cracks in the substrate. Do not apply in direct sunlight, wind or rain and protect the finished work until fully cured.

ROCKCOTE Marrakesh is highly alkaline due to the inclusion of hydrated lime. Please ensure adequate PPE is used when mixing and applying.

ALWAYS WEAR PROTECTIVE EYEWEAR, DUST MASK & GLOVES WHEN HANDLING DRY OR LIQUID MATERIAL.

IMPORTANT: A first aid kit with eye wash is highly recommended. Apply hand protection cream before using the material.

This finish should not be applied in temperatures below 5 degrees C or above 35 degrees C

This finish is not suitable for wet areas.

Resene Construction Systems recommends that this product be applied by a licensed tradesperson who has extensive experience in applying these products for similar applications to your particular project. The success of each project requires the tradesperson to have a thorough technical knowledge of appropriate building design, substrate conditions and client expectations to determine if this product fits the purpose expected for your project.

This product should not be applied over wood, PVC or metal-based products.

It should be noted that Resene Construction Systems products do not satisfy code requirements on their own but deliver code-compliant performance when used as part of a Resene Construction System's system and installed in accordance with the specific specifications.

These products must be handled carefully as a finishing material and kept dry during transportation and storage.

Design requirements that would support the use of the building product:

Specific applications, design and installation instructions are available for each system on our website. This outlines where this product should be installed as part of the wider system.

Typical Data at 25°C and 50% Relative Humidity

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 4-5mm dry film build per coat
Thinning:	N/A
Mean Vapour flow rate:	54.99g/m ² d (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)

Installation requirements:

Building work must be undertaken by competent and experienced tradespersons familiar with installing Resene Construction Systems systems.

Before applying the product, ensure the surface is clean, sound, dry and free from dust, dirt,

Refer to the Resene Construction Systems Marrakesh tool guide.

The substrate should be stable, dust- and dirt-free, and able to receive a coating. Any base coats should be fully cured. Substrates should be installed as per the manufacturer's specifications. Any cracks are to be raked out, cleaned and reinforced. Off form and smooth concrete surfaces must be prepared with ROCKCOTE Lime Basecoat applied as per specification to provide an adequate "key".

When using ROCKCOTE Marrakesh over lightweight walling systems such as EPS, AAC and Fibre Cement Sheet, please contact Resene Construction Systems for correct system advice.

ROCKCOTE Marrakesh is a hydraulic lime and DOES NOT need to be soaked. Marrakesh is best mixed at least 1 hour before application. Freshly mixed material must be left to stand for at least 30 minutes before application. This aids in the total saturation of all colourants and dry powder components, making the product easier to handle & apply.

Add 4.8 - 5.2 litres of clean fresh water to a clean bucket. Add RESENE liquid colourant to this gauging water. Ensure ALL colourant is added. Slowly add ROCKCOTE Marrakesh whilst mixing.

Marrakesh will stand in a sealed container for up to 3-5 days. The material will become firm but can be re-tempered with a mechanical mixer. Do not add additional water unless required.

Water content can vary due to the ambient air temperature.

Applied in two coats of equal thickness.

Porous substrate - Concrete block/brick / AAC / raw concrete.

Rockcote Masonry Render System with reinforcement is required to be applied over concrete block, brick, and AAC prior to the following application.

To provide a uniform surface, apply a floated coat of Rockcote Lime Basecote (rough surfaces) to level the surface and remove imperfections. Moisten or prime any porous substrates before application to ensure adequate suction/adhesion is achieved.

Apply the first coat of Rockcote Marrakesh to the prepared substrate at not less than 2-3mm 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.

Apply the second coat of Rockcote Marrakesh directly over the first coat 2mm thick. Float this surface with a moist sponge float.

'Tighten' the surface by gently trowelling with CO.ME brand 'Marrakesh' polishing trowel or Japanese plastic trowel. This will 'close up' the grainy flattened surface. DO NOT OVER TROWEL at this stage of the process.

Leave the Marrakesh to 'take up', do not over-trowel or blistering may occur, which is difficult to remove. Repeat this polishing process once more when the plaster begins to firm.

Gypsum/ fibre cement sheet interior - Stop the sheet joints flush, and apply a coat of Resene Broadwall primer to the entire area, ensuring an additional coat is applied to the stopped joints.

To provide a uniform surface apply a floated coat of Rockcote Lime Basecote (rough surfaces) to level the surface and remove imperfections. Moisten or prime any porous substrates before application to ensure adequate suction/adhesion.

Apply the first coat of Rockcote Marrakesh to the prepared substrate at least 2-3mm 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.

Apply the second coat of Rockcote Marrakesh directly over the first coat 2mm thick. Float this surface with a moist sponge float.

'Tighten' the surface by gently trowelling with CO.ME brand 'Marrakesh' polishing trowel or Japanese plastic trowel. This will 'close up' the grainy flattened surface. DO NOT OVER TROWEL at this stage of the process.

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External & Internal Corners - Treat internal and external corners with the CO.ME internal or external corner trowel to provide a solid soft corner to the wall edges.

Black Olive Soap & Stone Polishing:

Timing is very important - there are no hard and fast rules, however - if you start polishing too soon, you may lift the product off the surface, and if you leave it too late, then you will not achieve

the same compression, waterproofing or polishing.

Generally - if you leave fingerprints on the surface, it is too early to begin the stone polishing process.

Polishing the Marrakesh surface is achieved using a Rockcote Marrakesh Polishing Stone and Rockcote Black Olive Soap Solution.

This process of Marrakesh application is the most important as it develops the surface finish carbonation.

Rockcote Marrakesh Polishing Stones - These are available in various sizes and grades depending on the application. They are graded a 7 - 8 hardness. Refer to the Resene Construction Systems Marrakesh tool guide.

Black Olive Soap Solution - dilute the concentrated Black Olive Soap as follows. First pressing 15ml (2.5 tsp) per litre of water, second and subsequent pressings 10mls (2 tsp) per litre.

Pressing / polishing - spray diluted Black Olive Soap solution directly onto the area that you are about to work with the stone. Press the stone with moderate pressure against the Marrakesh surface until all the Black Olive Soap has been absorbed. Move along the entire Marrakesh surface similarly until all surfaces have been treated.

Depending on the finish, you can repeat the above process by pressing two, three, or even four times. The more pressed the surface, the harder and more water-resistant it will become.

Polish the surface by wiping lightly with the CO.ME brand 'Marrakesh' polishing trowel, and finally, buff the surface with a clean cloth.

Waxing:

Marrakesh AquaWax can be applied to aid in the water resistance and cleanability of the surface.

Curing:

Curing takes up to 28 days. This is dependent on humidity, substrate and drying rates in the room. The product once polished is hard enough for normal expected use within 28 days.

Maintenance, Environmental and Safety Requirements:

Modern cleaners were not invented when this product was developed thousands of years ago, so we do not recommend using them now.

Do not use household cleaning agents or scouring sponges.

Wash equipment and spills as soon as possible with water.

Ensure washing water does not enter waterways. Wet waste should be disposed of in empty bags and, once dry, disposed of in trade waste. The powder is irritating, and appropriate PPE dust masks are advised when handling. The wet compound is alkaline, and prolonged skin contact should be avoided. Wear rubber gloves, dust masks and safety glasses when handling products.

Material Safety Data Sheets are available upon request or access directly from

<https://reseneconstruction.co.nz/technical-library/safety-data-sheets/>