

Product name:

CoolPlast Render

Product Line:

Plaster / Render

Product description and its intended use:

A modified mineral levelling render for use over reinforced Rockcote or PSL base coats. It is designed to reflect thermal energy as a levelling/second coat plaster before applying Resene Cool Colour coatings.

CoolPlast aids in the total solar reflectance (TSR), allowing dark colours to be applied over selected Rockcote & PSL facade systems. The system must incorporate Resene Cool Colour finished coatings.

Levelling Coat over a reinforced base coat before application of Resene Cool Colour

CoolPlast will cure to form a strong crack resistant background which will accept more readily Resene Cool Colour coatings.

When used within a specified Resene Construction System, this product has performance ratings for specific applications.

Product identifier:

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

Place of Manufacture:

Aotearoa New Zealand

Legal and Trading Information:

Legal and trading name of the manufacturer(s):	Rockcote Resene Limited T/A Resene Construction Systems
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 from sanding and mixing compounds may be a respiratory irritant and 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:

Do not apply less than 1.5 - 2mm per coat. Must be used in conjunction with Resene Cool Colour coatings.

NOT available for use over fibre cement sheet substrates due to substrate supplier colour limitations.

Requires over-coating with a protective coating.

Apply when the temperature is between 5°C and 30°C.

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.

Mix ratio:	20kg plaster requires approx. 4.5 Litres of water
Coverage:	Levelling Coat 2mm thick approx. 8m ²
Substrates:	all prepared base coats of plaster
Abrasive strength:	Excellent
Adhesion:	Excellent
Vapour Permeability:	No vapour barrier formed
VOC:	N/A
Colour:	grey
Packaging:	20kg bags
Clean up:	Water while the product is wet
Use by:	12 months from date of manufacture
Storage:	Cool, dry place of the ground
Application Temperature:	+ 5 °C to + 30 °C
Usual No Coats:	1
Drying Time:	24 hours
Touch Dry:	4 hours
Dry to Recoat:	12 hours
Film Build:	Approximately 2mm dry film build per coat
Thinning:	N/A

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, grease, mould and lichen. Painted surfaces should have a slurry coat applied.

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

Pre-painted surfaces should have a slurry coat of Rockcote MultiStop Bedding Compound and 1:4 Rockcote acrylbond applied.

CoolPlast can be applied with a steel trowel, pump or broad knife. Apply with firm pressure, 'double back' trowel technique. Float the surface to a level finish ready to accept the selected texture and Resene Cool Colour coating system. Apply CoolPlast only when the temperature is between 5°C and 30°C and will be in that range for the 24-hour period following application.

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

Maintenance, Environmental and Safety Requirements:

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/>