

## Technical Data Sheet

---

**Product name:**

# PSL CoolPlast Render

**Description:**

A modified mineral levelling render for use over reinforced Rockcote or PSL base coats. It is designed to assist in reflecting thermal energy, as a levelling/second coat plaster prior to the application of Resene Cool Colour coatings. CoolPlast aids in the total solar reflectance (TSR) allowing for dark colours to be applied over selected Rockcote & PSL facade systems. The system must incorporate Resene Cool Colour finished coatings.

**Typical Use:**

- Levelling Coat over a reinforced base coat prior to application of Resene Cool Colour coatings

**Expectation:**

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

**Limitations:**

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.

**Technical Data:**

Mix ratio:	20kg plaster requires approx. 4.5 Litres of water
Coverage:	Levelling Coat 2mm thick approx. 8m <sup>2</sup>
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 product is wet
Use by:	12months from date of manufacture
Storage:	Cool, dry place, off 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

**Surface Preparation:**

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.

**Application:**

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 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 hours period following application.

**Curing:**

CoolPlast 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.

**Clean up:**

Wash equipment and spills as soon as possible with water.

**Environmental and Safety**

Ensure washing water does not enter waterways. Wet waste should be disposed of in empty bags, once dry dispose of in trade waste. The powder is an irritant 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/>