

**CLASS 1**

## Technical Data Sheet / BPIR

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**Product name:**

# SolidPlast Render

**Product Line:**

Plaster / Render

**Product description and its intended use:**

This product has been designed in accordance with NZS 4251.1:2007 - Solid plastering - Cement plasters for walls, ceilings and soffits. It has been formulated into a 4:1 mix.

Typical Use:

- Flushing concrete block, brick, and concrete to provide a suitable surface for finishing plasters.
- Filling large voids up to 50mm deep
- Straightening walls up to 15mm in one coat application.
- Foundations, Concrete block fences, stairs, & decks.

PSL SolidPlast will adhere well to prepared clean, dry concrete and brick. PSL SolidPlast will provide excellent durability for an indefinite period depending on life of the substrate.

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:	<a href="https://reseneconstruction.co.nz">https://reseneconstruction.co.nz</a>
Email Address:	<a href="mailto:help@reseneconstruction.co.nz">help@reseneconstruction.co.nz</a>
Phone Number:	<a href="tel:0800507040">0800 507040</a>
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:**

Do not apply less than 7 - 10mm per coat. Requires over-coating with finishing textures or paints.

Application in accordance with best Solid Plastering

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. 4-6L of water depending on conditions and consistency required (admixtures are not included)
Coverage:	5mm thick, Approx 6m <sup>2</sup>
Substrates:	Masonry, brick, concrete
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 5mm 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.

Do not apply less than 7 - 10mm per coat or more than 20mm in one coat. Painted surfaces should have a slurry coat applied. Glazed bricks should be scabbled and slurry coated.

Plaster is applied not less than 7 - 10mm with a steel trowel. Apply with firm pressure doubling back with more plaster to achieve a flat, uniform finish. Plastering techniques like screeding, floating and scraping can be used to achieve the desired flatness as required. Plaster can be pumped and sprayed. Apply plaster only when the temperature is between 5°C and 30°C and will be in that range for the 24-hour period following application.

Reduce water content for a 'stiffer' consistency when filling deep voids.

Naturally, cures keep moist in very dry conditions. Alternatively, once the surface has been rasped/finished, wet down thoroughly to improve hardness.

### **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/>