

CLASS 1

Technical Data Sheet / BPIR

Product name:

Hydroplast Render

Product Line:

Plaster / Render

Product description and its intended use:

An acrylic dry powder with a cement activator that, once mixed with water, creates a flexible, hydrophobic render for use as an above-grade waterproof coating over masonry substrates and Rockcote or PSL mineral plasters.

Typically used around Concrete block and ICF Block (Poly blocks) windows and other openings. Also applied over prepared Foundations, parapets, and balustrade tops to provide a waterproof coating ready to accept Rockcote Resene finishing coats.

HydroPlast will cure to form a strong, hydrophobic, flexible and crack-resistant background that will accept Rockcote Resene finishing coats.

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:

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| Legal and trading name of the manufacturer(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:

Do not apply more than 2mm per coat. Can be used with or without reinforcing mesh dependent on specified application. If applying to foundations or balustrade tops 150gsm Alkali resistant fibreglass mesh must be applied. Mix only enough as can be used at 30mins @ 18 degrees.

Requires over-coating with a protective coating when exposed to weather.

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.

Coverage: 5m² @ 2mm thick

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|--------------------------|---|
| Mix ratio: | Trowellable - 10kg plaster requires approx. 3L of water (trowel able) Brushable - 10kg plaster requires approx. 3.3L of water all prepared base coats of plaster |
| Substrates: | Excellent |
| Abrasive strength: | Excellent |
| Adhesion: | Excellent |
| Vapour Permeability: | No vapour barrier formed |
| VOC: | N/A |
| Colour: | tan |
| Packaging: | 10kg 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 |
| WVTR: | 2.5 (g/m ² /24hrs) |
| Tested in accordance: | ASNZ4858 : 2004 AS3558 - Water absorption ASTME96 - WVTR |

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. Any large bug holes and defects must be patched with Rockcote or PSL mineral plasters prior to the application of HydroPlast to ensure a uniform finished surface thickness is achieved.

Brush /Roller application - without fibreglass reinforcement

HydroPlast can be applied with a brush or roller. Before starting the application, dampen the exposed masonry surface. Apply generously to the prepared substrate in two coats to achieve a minimum 1mm thickness (without fibreglass reinforcement).

Trowel application - with fibreglass reinforcement

HydroPlast can be applied with a trowel. Before starting the application, dampen exposed masonry surfaces. Apply generously to the prepared substrate in one coat to achieve a minimum 2mm thickness. Apply pre-cut fibreglass reinforcement with light pressure into the wet HydroPlast. Apply HydroPlast only when the temperature is between 5°C and 30°C and will be in that range for the 24-hour period following application.

HydroPlast should be protected from hot drying winds and direct sunlight for the first 12 hours.

Protect newly applied HydroPlast from rain and water run off for the first 12 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/>