

## Technical Data Sheet

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**Product name:**

# PSL Hydroplast Render

**Description:**

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

**Typical Use:**

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

**Expectation:**

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

**Limitations:**

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 in 30mins @ 18 degrees.

**Technical Data:**

Coverage:	5m <sup>2</sup> @ 2mm thick
Mix ratio:	Trowellable - 10kg plaster requires approx. 3L of water (trowellable) Brushable - 10kg plaster requires approx. 3.3L of water
Substrates:	all prepared base coats of plaster
Abrasive strength:	Excellent
Adhesion:	Excellent
Vapour Permeability:	No vapour barrier formed
VOC:	N/A
Colour:	tan
Packaging:	10kg 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
WVTR:	2.5 (g/m <sup>2</sup> /24hrs)
Tested in accordance:	ASNZ4858 : 2004 AS3558 - Water absorption ASTME96 - WVTR

### **Surface Preparation:**

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 application of HydroPlast to ensure a uniform finished surface thickness is achieved.

### **Application:**

#### *Brush /Roller application - without fibreglass reinforcement*

HydroPlast can be applied with a brush, or roller. Prior to starting 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. Prior to starting 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 hours period following application.

### **Curing:**

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.

### **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/>