CLASS 1

Technical Data Sheet / BPIR

Product name:

MultiStop BLUE

Product Line:

Plaster / Render

Product description and its intended use:

A pre-blended, cement-based, dry powder plaster for use over general masonry substrates and jointing of cement sheets. It is a multi-purpose patch and repair plaster used in various applications.

Detailing and patching render to fill pinholes, small surface cracks and other minor surface irregularities of tilt slab panels and other precast concrete structures, as well as jointing and flushing of fibre cement sheet soffits.

MultiStop BLUE Compound will cure to form a hard, smooth and sandable surface that will accept a texture or paint finish.

Do not apply more than 2mm per coat. Requires over-coating with finishing textures. Do not apply over timber..

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
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:

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:	1kg of plaster requires approx. 375 - 400mls of water
Coverage:	2mm thick approx. 10m^2
Substrates:	masonry substrates, fibre cement sheet
Abrasive strength:	Excellent
Adhesion:	Excellent

Vapour Permeability:	No vapour barrier formed
VOC:	N/A
Colour:	grey
Packaging:	15kg bags
Clean up:	Water while the product is wet
Use by:	12 months from date of manufacture
Storage:	Cool, dry place, off the ground
Application Temperature:	+ 5 ˚C to + 30 ˚C
Usual No Coats:	1 - 2 (dependent on surface finish required)
Drying Time:	8-12 hours (dependent on climatic conditions)
Touch Dry:	4 hours
Dry to Recoat:	8 - 12 hours (dependent on climatic conditions)
Film Build:	Approximately 1-2mm dry film build per coat
Thinning:	N/A
Density:	1493 kg/m^3 after 28 days
MPa:	8.16

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.

Cement Sheet Joints

Cement sheet joints must be primed in accordance with the manufacturer's instructions.

Resene Cemseal primer is highly recommended when applying plaster onto a new fibre cement sheet. No slurry coat is required for these newly prepared surfaces.

Control joints must be reflected through the coating where specified.

It must be used in conjunction with either 80gsm FibaTape® alkali-resistant fibreglass mesh or wetted paper in accordance with the manufacturer's instructions.

Precast / Concrete

Also, any raised concrete defects should be ground off-level with the main wall surface. Existing painted surfaces should have a slurry coat applied to ensure good keying for the plaster.

Control joints must be reflected through the coating where specified.

Mixing:

Only mix enough material that can be used within 45 minutes. Material exceeding this time must be discarded.

Add 375 - 400mls of water per kg of MultiStop Blue compound. Add water to the mixing bucket, then add MultiStop Blue. Blend the ingredients together using a mechanical mixing drill to create a homogeneous mixture. Leave this material for 2-3 minutes to allow all ingredients to saturate fully. Mix the material again for 30-60 seconds. A small quantity of water (50 - 100mls) can be

added to adjust consistency if required.

After 30-60mins **do not** add more water to re-temper the material.

Application onto Cement Sheet

Render is applied not greater than 2mm thick with a steel trowel or broad-knife. Apply base skim coat into prepared cement sheet joint, and with light-medium pressure, lay in Fiba Tape® or wetted paper tape and level flat with trowel - lightly skim coat over the mesh/tape to ensure the entire surface is covered. Once the base plaster has dried, apply a finishing/fearing out skim coat to achieve the desired level of finish ready for texture or paint coatings.

Precast / Concrete

Render is applied not greater than 2mm thick with a steel trowel or broad-knife. Apply a tight skim coat to the surfaces and fear out to achieve the desired level of finish.

When filling bug holes, ensure multiple wipes over the plaster is achieved to ensure the bug hole is filled with no air pocket left beneath the surface.

Sanding:

MultiStop BLUE can be sanded once dry with P180 grit sandpaper. Sanding should be undertaken as early as practical after the material has dried. The material should be sanded within 36 hours after application. The material will continue to harden and will become difficult to achieve a smooth sanded finish. After sanding and prior to application of selected surface finishes the area will need to be thoroughly cleaned to remove fine surface dusting.

Curing:

MultiStop BLUE 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/