

## Specialized Construction Products Coarse Mesh Coat

NZ\_DA02872

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| Part A | 19RX5013-20KG |
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### Product Overview

Coarse Mesh Coat is a pre-blended, cement-based plaster that can be easily applied as a single leveling/flanking coat. It can also be used as a finishing coat over Specialized Masonry Levelling Compound (MCL) prepared brick and masonry if a finely spiked texture finish is desired.

### Features And Benefits

- Fibre reinforced
- Polymer modified
- Easy application
- Good shrinkage control and crack resistance
- Very good adhesion to polystyrene backgrounds
- Excellent base coat for subsequent finishing


### Uses And Typical Specifications

|             |  |
|-------------|--|
| <b>Uses</b> | Coarse Mesh Coat can be applied over properly prepared pre bonded expanded polystyrene (EPS) backgrounds, AAC, concrete, brick and other masonry substrates to produce a high quality even and true surface prior to applying a finishing plaster. |
|-------------|--|

### Performance Guide

|                 |  |                        |                   |
|-----------------|--|------------------------|-------------------|
| <b>Weather</b>  | Excellent weather resistance when used as part of an approved Specialized Construction Products system.  | <b>Heat Resistance</b> | Up to 60°C        |
| <b>Water</b>    | Resists rain and condensation when used as part of an approved Specialized Construction Products system. | <b>Solvent</b>         | Solvent resistant |
| <b>Abrasion</b> | Resists abrasion when used as part of an approved Specialized Construction Products system.              |                        |                   |

### Typical Properties

|                                 |   |                                 |            |
|---------------------------------|---|---------------------------------|------------|
| <b>V.O.C Content</b>            | <1 g/L  | <b>Full Cure (25C, 50% R.H)</b> | 48 Hours   |
| <b>Clean Up</b>                 | Water - immediately after use.  | <b>Sizes</b>                    | 20kg       |
| <b>Application Method</b>       | <br>Trowel   |                                 |            |
| <b>Application Conditions</b>   |   | <b>Min</b>                      | <b>Max</b> |
|                                 | <b>Wet Film Per Coat (microns)</b>  | 3000                            | 4000       |
|                                 | <b>Dry Film Per Coat (microns)</b>  | 3000                            | 4000       |
|                                 | <b>Recoat Time (min)</b>  | 8 Hours                         | Indefinite |
|                                 | <b>Theoretical Spread Rate (m<sup>2</sup>/L)</b>  |                                 |            |
| <b>Typical Properties Notes</b> | Coverage: Approximately 3.5-4.0m <sup>2</sup> per 20kg bag. Dependent on application rate.<br><br>Curing time of Coarse Mesh Coat will vary due to ambient temperature, relative humidity, surface temperature, surface porosity,application methods, and/or the thickness of the material. Although this plaster contains cement and will not fully cure for 28 days; finish coats can be applied after a minimum drying time of approximately 48 hours at 20°C. |                                 |            |

| Application Guide                          |   |
|--|---|
| <b>Surface Preparation</b>                 | <ul style="list-style-type: none"> <li>The substrate to which the chosen product is to be applied must be installed in strict accordance with the manufacture's specifications and recommended installation procedures. For concrete/masonry substrates the suppliers required curing time must be allowed after installation to ensure the joints in the substrate have completed cured, shrunk, and stabilized. All solid concrete substrates must be fully cured and dry. New concrete must be at least 21 days old prior to the application of any render product.</li> </ul> <p>Surface imperfection such as blowholes, large cracks and spalling must be patched and levelled to the required tolerances and flatness with Specialized render materials before this product is applied. All nibs, protrusions and excess mortar on the surface of the bricks or irregularities in the slab must be ground off prior to rendering.</p> <p>All surfaces must be clean and free of debris, dirt and dust, efflorescence, grease, oils, curing agents, cleaning solutions, mould and algae or any other contaminants that may affect adhesion. Deeply contaminated substrates must be abraded to provide a clean sound surface. All loose or damaged material must be removed by water blasting, captive shot blasting, or mechanical wire brushing and then washed down before rendering commences.</p> <p>Painted or glossy surfaces such as power floated concrete must be specially primed, acid etched or mechanically abraded prior to the application of any render.</p> <p>All cracks that may be the subject to ongoing movement must be correctly repaired and reinforced.</p> <p>All very porous surfaces should be sealed with an appropriate paint sealer prior to the application of the plaster.</p> |
| <b>Application Procedure And Equipment</b> | <ul style="list-style-type: none"> <li><b>MIXING:</b> Add approximately 6 litres of clean water to a clean bucket and then while stirring slowly add the 20kg bag of Coarse Mesh Coat. Coarse Mesh Coat should be mixed with with a heavy duty electric drill powering a high shear stirrer at approximately 600 r.p.m. The product should be mixed for a minimum of 2 minutes or long enough to provide a smooth lump-free blend. The consistency should be such that the material holds its shape when a finger is run through the surface. Let the mix stand for 5 minutes and give it a quick re-stir before application and adjust the final consistency.</li> </ul> <p>The first coat or base coat of plaster is usually trowel applied with a long 20" x 4" or 20" x 5" steel trowel. Start at the corner of the wall and apply plaster to the full height of the substrate about one and a half meters wide (the width of the mesh). Apply at 3mm thickness. Place a layer of mesh (length longer than the wall) against the wet plaster at the top of the wall. Wipe the mesh very lightly at first into the plaster, starting from the middle and working out. Make sure there are no bubbles or wrinkles in the mesh. Once the mesh is flat against the plaster, apply pressure with the trowel and imbed the mesh just below the surface of the substrate. Repeat the process and ensure each adjacent drop of mesh overlaps its predecessor by at least 30mm.</p> <p>For full system details refer to the Specialized installation guide.</p> <p>Coarse Mesh Coat can also be used as a finish coat for Masonry and Brick substrates. It can be sprayed through a sagola gun to achieve a finely spiked texture finish.</p>  |

| Health And Safety   |   |                                 |   |
|---|---|---------------------------------|---|
| <b>MSDS Number</b>  | DLX003952   | <b>Using Safety Precautions</b> | For detailed information refer to product label and the current Material Safety Data Sheet available through Specialized Construction Products Sales and Customer Service Offices.  |
| <b>MSDS Link</b>  | <a href="https://go.lupinsys.com/duluxgroup/harms/pm/2936779f75f748e905c384708a57cdf1-published/attachment/nz-sds.pdf">https://go.lupinsys.com/duluxgroup/harms/pm/2936779f75f748e905c384708a57cdf1-published/attachment/nz-sds.pdf</a> |                                 |   |
| <b>Health Effects</b>                                     | Causes severe skin burns and eye damage. May cause respiratory irritation.  | <b>Protective Equipment</b>     | Wear safety shoes, overalls, gloves, safety glasses, dust mask.   |
| <b>Storage</b>  | Keep out of reach of children. Store for no longer than 6 in a dry, well-ventilated area and off the floor. Product must be protected from the weather and from mechanical damage. Store away from foodstuffs.                          | <b>Disposal</b>                 | Do not contaminate storm-water with product or product washings. Do not pour product down the drain. Unwanted product should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Check with your local council first. |
| <b>Handling</b>   | Avoid eye and skin contact. Avoid inhalation of dust.   |                                 |   |
| <b>In the case of emergency, please call 0800 734 607</b> |   |                                 |   |

**Precautions And Limitations**

Ensure all surface preparation instruction are followed.

All freshly applied material must be weather protected for a minimum of 24 hours after application. Exposure of applied product to rain, snow, dew, or other inclement weather conditions, direct hard sunlight or sources of heat while it is curing may have a detrimental effect on the finish.

- DO NOT over-water, over mix, or remix aged render with additional water.
- DO NOT mix more plaster than you can use in 45 minutes.
- DO NOT use render that has been mixed for more than one hour.
- DO NOT apply Coarse Mesh Coat to wooden surfaces.
- DO NOT apply Coarse Mesh Coat over wet, frozen or frost affected surfaces.
- DO NOT apply Coarse Mesh Coat where it will be subjected to permanent immersion or where ponding will occur.
- DO NOT reactivate Coarse Mesh Coat with water once it has begun to set.
- DO NOT wet the substrate prior to the application of this material.
- DO NOT apply Coarse Mesh Coat unless the substrate has been properly cleaned, primed and prepared

**Transport And Storage**

|                              |                       |                      |   |
|------------------------------|-----------------------|----------------------|---|
| <b>Pack A</b>                | 19RX5013              | <b>Shipment Name</b> | Not dangerous goods. No special transport requirements. |
| <b>Size</b><br>20kg          | <b>Weight</b><br>20kg |                      |   |
| <b>Flash Point</b>           | N/A                   | <b>UN Number</b>     | N/A   |
| <b>Dangerous Goods Class</b> | N/A                   | <b>Package Group</b> | N/A   |

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