

## Specialized Construction Products Fine Mesh Coat

NZ\_DA02880

|               |               |
|---------------|---------------|
| <b>Part A</b> | 19RX5012-20KG |
|---------------|---------------|

### Product Overview

Fine Mesh Coat is a polymer-modified, cement based detailing render manufactured from high quality aggregates and proprietary additives.

### Features And Benefits

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| <ul style="list-style-type: none"> <li>Applied by hopper gun or sagola gun.</li> <li>Polymer modified cement based plaster</li> <li>Can be applied up to 4mm in one coat</li> </ul> | <ul style="list-style-type: none"> <li>Very good adhesion to a variety of cementitious substrates</li> <li>Suitable for bagging finish: Stucco finish</li> <li>Easy application</li> </ul> |
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### Uses And Typical Specifications

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|-------------|--|
| <b>Uses</b> | Fine mesh coat is required for stopping and to seal areas around all penetrations (window reveals, parapet tops and bottoms edges) or extrusions in AAC panel systems. It can also be used to achieve a heavy stucco texture finish when sprayed through a hopper gun or a sagola gun. |
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### 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    Hopper Gun<br><br><b>Other:</b> Sagola gun  |                                 |             |     |             |                                    |      |      |  |                                    |      |      |  |                          |         |            |  |  |  |  |  |  |  |
| <b>Application Conditions</b>                    | <table border="1"> <thead> <tr> <th></th> <th>Min</th> <th>Max</th> <th>Recommended</th> </tr> </thead> <tbody> <tr> <td><b>Wet Film Per Coat (microns)</b></td> <td>1000</td> <td>4000</td> <td></td> </tr> <tr> <td><b>Dry Film Per Coat (microns)</b></td> <td>1000</td> <td>4000</td> <td></td> </tr> <tr> <td><b>Recoat Time (min)</b></td> <td>8 Hours</td> <td>Indefinite</td> <td></td> </tr> <tr> <td><b>Theoretical Spread Rate (m<sup>2</sup>/L)</b></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |                                 | Min         | Max | Recommended | <b>Wet Film Per Coat (microns)</b> | 1000 | 4000 |  | <b>Dry Film Per Coat (microns)</b> | 1000 | 4000 |  | <b>Recoat Time (min)</b> | 8 Hours | Indefinite |  | <b>Theoretical Spread Rate (m<sup>2</sup>/L)</b> |  |  |  |  |  |
|  | Min  | Max                             | Recommended |     |             |                                    |      |      |  |                                    |      |      |  |                          |         |            |  |  |  |  |  |  |  |
| <b>Wet Film Per Coat (microns)</b>               | 1000   | 4000                            |             |     |             |                                    |      |      |  |                                    |      |      |  |                          |         |            |  |  |  |  |  |  |  |
| <b>Dry Film Per Coat (microns)</b>               | 1000   | 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 Fine 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                          |  |
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| <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 5 litres of clean water to a clean bucket and then while stirring slowly add the 20kg bag of Fine Mesh Coat. Fine 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>When using Fine Mesh Coat as a levelling/flanking plaster the first coat is usually trowel applied. Thickness is critical; 3-4mm is required. Cut a length of mesh slightly longer than the the wall area to be covered. Place the mesh against the wet plaster. Wipe the mesh very lightly at first into the plaster, make sure there are no bubbles nor wrinkles in the mesh. Once the mesh is flat against the plaster, apply an even pressure with the trowel and embed the mesh just below the surface of the plaster. Once embeded scrape the plaster away at the edge of the mesh. Repeat this process and ensure each adjacent drop of mesh overlaps its predecessor by at least 30mm.</p> <p>When using Fine Mesh Coat as a bagging finish it can be sprayed through a hopper gun or a sagola gun to achieve a heavy stucco plaster finish. Start by spraying on a wet coat of plaster 1 to 2mm thick that will flow together and form a solid flat looking texture coat. Fine Mesh Coat plaster mixed wetter than for a mesh coat, sprayed through a hopper gun with a 9mm tip is best for this type of texture. Once the first spray coat has starting to tack-off or going grey dry, the final texture coat can be applied. The plaster mix for the second coat is about the same as for the mesh coat or slightly stiffer and is known as a flick coat. The object is to have a plaster mix that wont run together like the previous coat. The flick-coat is meant to be a much quicker application and it will even out any discrepancies and provide a uniform texture finish. Approximately 20% of the amount of plaster used for the first coat of spray texture. Spray part of this final texture in horizontal bands and part in vertical bands to ensure a uniform even finish. Do not stay too long in one area as the texture coat will flow together causing patchiness.</p> <p>Always texture the external and internal corners first before completing adjacent large wall areas. It is also a good practice to spray the reveals around windows from the inside out and then fill in the areas of the wall between these places.</p> <p>A stucco spray texture must be finished with two coats of Acratex Dulux paint to ensure the chosen products weather resistant and to give the desired finish colour to exterior walls.</p> <p>Apply render only when the temperature is between 5°C and 30°C.</p> <p>For full system details refer to the Specialized installation guide.</p> |

| Health And Safety   |   |                                 |   |
|---|---|---------------------------------|---|
| <b>MSDS Number</b>  | DLXNZLEN003951  | <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/5fa71593583f431741573ec74edaf47b-published/attachment/nz-sds.pdf">https://go.lupinsys.com/duluxgroup/harms/pm/5fa71593583f431741573ec74edaf47b-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 Float Finish to wooden surfaces.
- DO NOT apply Float Finish over wet, frozen or frost affected surfaces.
- DO NOT apply Float Finish where it will be subjected to permanent immersion or where ponding will occur.
- DO NOT reactivate Float Finish with water once it has begun to set.
- DO NOT wet the substrate prior to the application of this material.
- DO NOT apply Float Finish unless the substrate has been properly cleaned, primed and prepared

**Transport And Storage**

|                              |                |                      |   |
|------------------------------|----------------|----------------------|---|
| <b>Pack A</b>                | Fine Mesh Coat | <b>Shipment Name</b> | Not dangerous goods. No special transport requirements. |
| <b>Size</b>                  | 20kg           | <b>Weight</b>        | 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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