

## Specialized Construction Products EzPanel Base Coat

NZ\_DA02896

<b>Part A</b>	19RX5011-20KG	<b>Approvals</b>	Used as part of BRANZ <a href="#">appraised system Appraisal No 649 (2020)</a>
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### Product Overview

Ezpanel Base Coat is a fibre reinforced polymer modified portland cement-based plaster which is applied over EzPanel or AAC (Autoclaved Aerated Concrete) surfaces to provide an even true surface prior to applying a finishing plaster.

### Features And Benefits

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| <ul style="list-style-type: none"> <li>Fibre reinforced</li> <li>Polymer modified</li> <li>Can be applied up to 3mm in one coat</li> </ul> | <ul style="list-style-type: none"> <li>Good shrinkage control and crack resistance</li> <li>Very good adhesion to AAC backgrounds</li> <li>Excellent base coat for subsequent finishing</li> </ul> |
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### Uses And Typical Specifications

<b>Uses</b>	EzPanel Base Coat can be applied as a single levelling/flanking over AAC and concrete substrates <b>incorporating a hard mesh</b> to produce a high quality even and true surface prior to applying a finishing plaster.
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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>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>	 Trowel																										
<b>Application Conditions</b>	<table border="1"> <thead> <tr> <th colspan="2">Solids By Volume</th> <th>100</th> <th></th> </tr> <tr> <th></th> <th>Min</th> <th>Max</th> <th>Recommended</th> </tr> </thead> <tbody> <tr> <td>Wet Film Per Coat (microns)</td> <td>2000</td> <td>3000</td> <td></td> </tr> <tr> <td>Dry Film Per Coat (microns)</td> <td>2000</td> <td>3000</td> <td></td> </tr> <tr> <td>Recoat Time (min)</td> <td>8 Hours</td> <td>Indefinite</td> <td></td> </tr> <tr> <td>Theoretical Spread Rate (m<sup>2</sup>/L)</td> <td>0.5</td> <td>0.33</td> <td></td> </tr> </tbody> </table>	Solids By Volume		100			Min	Max	Recommended	Wet Film Per Coat (microns)	2000	3000		Dry Film Per Coat (microns)	2000	3000		Recoat Time (min)	8 Hours	Indefinite		Theoretical Spread Rate (m <sup>2</sup> /L)	0.5	0.33			
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<b>Typical Properties Notes</b>	Coverage: Approximately 3.0-3.2m <sup>2</sup> per 20kg bag. Dependent on application rate.  Curing time of EzPanel Base 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 EzPanel Base Coat 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. Specialized recommend EZstop plaster. 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 (Specialized Resin) 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 EzPanel Base Coat. EzPanel Base Coat should be mixed 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 areas around all penetrations should be completed first by using Fine Mesh Coat imbedded in soft flexible 160g/m2 alkali resistant mesh to all reveals. A piece of soft mesh must be used to reinforce the head, sill and jamb flashing onto the surface of the panels and in the corner of any penetration where the sills and jambs meet. Once all penetrations and awkward areas have been completed all the flat areas of wall should be done using a 160g/m2 alkali resistant hard mesh embedded in Ezpanel base coat.</p> <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. The large trowel ensures the first coat of plaster cannot be squeezed out too thin. 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.</p> <p>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 embed the mesh just below the surface of the plaster. Do not force the mesh hard down onto the surface of the substrate. The mesh pattern should be grinning through, but the mesh itself completely covered with plaster. 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>

Health And Safety			
<b>MSDS Number</b>	DLXNZLEN003950	<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/5fa71593583f431741573ec74e7dec63-published/attachment/nz-sds.pdf">https://go.lupinsys.com/duluxgroup/harms/pm/5fa71593583f431741573ec74e7dec63-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 EzPanel Base Coat with additional water.
- DO NOT mix more EzPanel Base Coat than you can use in 45 minutes.
- DO NOT use EzPanel Base Coat that has been mixed for more than one hour.
- DO NOT apply EzPanel Base Coat to wooden surfaces.
- DO NOT apply EzPanel Base Coat over wet, frozen or frost affected surfaces.
- DO NOT apply EzPanel Base Coat where it will be subjected to permanent immersion or where ponding will occur.
- DO NOT reactivate EzPanel Base Coat with water once it has begun to set.
- DO NOT wet the substrate prior to the application of EzPanel Base Coat.
- DO NOT apply EzPanel Base Coat unless the substrate has been properly cleaned, primed and prepared

**Transport And Storage**

<b>Pack A</b>	19RX5011	<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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