

## Specialized Construction Products Thermorender

NZ\_DA02881

Part A	19RX5018-10KG
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### Product Overview

Thermorender is a preblended, light weight base coat designed for pre-levelling of ICF (Insulating Concrete Form-work) prior to application of Specialized Construction Products Plaster and Coating Systems.

### Features And Benefits

- Can be applied up to 50mm in one coat.
- Excellent adhesion
- Fibre reinforced
- Light weight base coat
- Excellent base coat for subsequent levelling and finishing
- Excellent insulation properties
- Good shrinkage control and strength
- Easy to handle


### Uses And Typical Specifications

<b>Uses</b>	Thermorender is preparatory pre-fill/levelling product designed to be used in Specialized systems incorporating a fully meshed base Coat, Plaster and Coating system. It can be applied to a variety of masonry backgrounds including concrete block, brick walls and masonry surfaces.
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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>	10kg																								
<b>Application Method</b>	 Trowel  <b>Other:</b> Broad knife																										
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<b>Typical Properties Notes</b>	Coverage: relative to levelling required and applied thickness.  The curing time of Thermorender 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>ICF (Insulating Concrete Forms) The ICF substrate must be installed in strict accordance with the manufacturer's/designer's specifications and recommended installation procedures. The manufacturers required curing time must be allowed after placement of the substrate to ensure it has completely cured and the wall have stabilised. The finished appearance of the wall is highly dependent on the standard of the wall construction.</li> </ul> <p><b>ICF &amp; MASONRY SURFACES</b> All surfaces must be clean and free of all contaminants. Painted or glossy surfaces must be specially treated prior to the application of any plaster material, please refer to Specialized Construction Products for specialist advice before you proceed. All cracks that may be the subject to ongoing movement must be correctly repaired and reinforced. Some smooth, dense concrete surfaces must be slush coated before application of Thermorender to ensure a suitable bond is created, please refer to Specialized Construction Products for specialist advice before you proceed. Tilt slab and other precast concrete items should be chemically cleaned with a water blaster to ensure any mould release agents are removed before the plaster is applied. All very porous surfaces should be sealed with an appropriate paint sealer prior to the application of the plaster. Failing to correctly prepare the masonry substrate, may affect the aesthetic appearance of the finished wall.</p> <p>This system must not be used in situation where water may pond. A minimum slope of 10° is required on all sills and copings, All pipes must have a downward rake of a minimum of 5° and must be sealed in place using an appropriate Construction Seallant both before plastering and after the installation of the system.</p> <p>Particular attention to detail and workmanship must be given to flashing and sealing building penetrations or junctions with other building materials. All penetration in the ICF must be fully waterproofed before the installation of any joinery. For this purpose Specialized Construction Products recommends the use of their Tankit Waterproofing Membrane.</p> <p>Construction Joints must be provided according to the brick/block/panel manufacturers design criteria. All junctions between ICF substrate and dissimilar materials must be correctly flashed and sealed with an appropriate construction sealant. All construction joints must be in place and must be waterproof prior to the commencement of plastering.</p>
<b>Application Procedure And Equipment</b>	<ul style="list-style-type: none"> <li>Mixing: Add approximately 4 litres of clean water to a clean bucket and then while stirring slowly add the 10kg bag of Thermorender. Thermorender 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>Thermorender is applied by plastering method or broad knife relative to job requirement. Thermorender must be applied at minimum 4mm per coat to ensure cohesive strength but can be applied up to 50mm in one coat subject to drying conditions and finishing requirements. Thermorender is typically applied in multiple coats relative to the degree of pre-filling required. If any areas require greater than 50mm application they must be completed in several coats following the recommended recoat times. All stress points should be reinforced with butterflies of mesh. Once a layer of Thermorender has been applied to the substrate it should be floated or screeded flat to achieve a level plane which is free of deviations. Once the material is dry it can be sanded flat using a longboard or scraped with a broad-knife to remove any ridges or minor bumps which have been left behind.</p> <p>Specialized ICF Exterior PLaster Specification incorporates Specialized Powaflex with mesh, Flexifloat and 2 coats of Dulux Acrashield or Elastomeric weatherproofing topcoat for optimum performance.</p> <p>All freshly applied material must be weather protected for a minimum of 24 hours after application.</p> <p>Apply render only when the temperature is between 5°C and 30°C.</p>

Health And Safety			
<b>MSDS Number</b>	DLXNZLEN003957	<b>Using Safety Precautions</b>	For detailed information refer to product label and the current 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/9bc541685a14550207888bd5f06914ab-published/attachment/nz-sds.pdf">https://go.lupinsys.com/duluxgroup/harms/pm/9bc541685a14550207888bd5f06914ab-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 apply Thermorender when the ambient or surface temperature is below 5C or above 30C or will be outside that range for the 24 hour drying period after application. Material that is allowed to freeze or material that's surface dries too quickly may suffer irreparable damage.
- DO NOT add any other materials to the Thermorender or deviate from the mixing or application procedures outlined in any of the Specialized Construction Products technical data sheets without written approval from Specialized Construction Products.
- DO NOT over-water, over-mix, or remix aged Thermorender with additional water.
- DO NOT mix more Thermorender than you can use in 45 minutes.
- DO NOT apply Thermorender to wooden surfaces.
- DO NOT apply Thermorender over wet, frozen or frost affected surfaces.
- DO NOT apply Thermorender where it will be subjected to permanent immersion or where ponding will occur.
- DO NOT reactivate Thermorender with water once it has begun to set.
- DO NOT wet the substrate prior to the application of Thermorender.
- DO NOT apply Thermorender unless the substrate has been properly cleaned, primed and prepared

**Transport And Storage**

<b>Pack A</b>	19RX5018-10KG	<b>Shipment Name</b>	Not dangerous goods. No special transport requirements.
<b>Size</b>		<b>Weight</b>	
10kg		10kg	
<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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