

Specialized Construction Products Renderit Smooth

NZ_DA02871

Part A	19RX5008-20KG
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Product Overview

Renderit Smooth is a levelling/flanking plaster for brick, blockwork, and other masonry surfaces. It is also one of three plaster options for the Specialized Construction Products Bagged Brick Finish.

Renderit Smooth provides an efficient way of smoothing and closing the open lineal nature of bricks to provide an attractive rustic feel.

Features And Benefits

- Can be applied up to 4mm in one coat
- Easy application
- Smooth finish
- Very good adhesion to a variety of masonry backgrounds
- Readily able to achieve a uniform level surface
- Suitable for bagged finish


Uses And Typical Specifications

Uses	Renderit Smooth can be easily applied over a variety of masonry backgrounds including: new or old brick, concrete block, or in-situ concrete surfaces.
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Performance Guide

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

Typical Properties

V.O.C Content	<1 g/L	Full Cure (25C, 50% R.H)	48 Hours																								
Clean Up	Water - immediately after use.	Sizes	20kg																								
Application Method	 Trowel																										
Application Conditions	<table border="0" style="width: 100%;"> <tr> <td style="text-align: right;">Solids By Volume</td> <td style="text-align: center;">100</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">Min</td> <td style="text-align: center;">Max</td> <td style="text-align: center;">Recommended</td> </tr> <tr> <td style="text-align: right;">Wet Film Per Coat (microns)</td> <td style="text-align: center;">4000</td> <td style="text-align: center;">5000</td> <td></td> </tr> <tr> <td style="text-align: right;">Dry Film Per Coat (microns)</td> <td style="text-align: center;">4000</td> <td style="text-align: center;">5000</td> <td></td> </tr> <tr> <td style="text-align: right;">Recoat Time (min)</td> <td style="text-align: center;">8 Hours</td> <td style="text-align: center;">Indefinite</td> <td></td> </tr> <tr> <td style="text-align: right;">Theoretical Spread Rate (m²/L)</td> <td style="text-align: center;">2.8</td> <td style="text-align: center;">3</td> <td></td> </tr> </table>			Solids By Volume	100				Min	Max	Recommended	Wet Film Per Coat (microns)	4000	5000		Dry Film Per Coat (microns)	4000	5000		Recoat Time (min)	8 Hours	Indefinite		Theoretical Spread Rate (m ² /L)	2.8	3	
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Application Guide	
Surface Preparation	<ul style="list-style-type: none"> ▪ Coverage: Approximately 2.8-3.0 m2 per 20kg bag. Dependent on application rate. <p>Curing time of Renderit Smooth 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.</p> <p>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.</p> <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>
Application Procedure And Equipment	<ul style="list-style-type: none"> ▪ Mixing: Add approximately 5 litres of clean water to a clean bucket and then while stirring slowly add the 20kg bag of Renderit. Renderit 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 restir before application and adjust the final consistency. <p>When using Renderit Smooth as a levelling/flanking plaster the base coat 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 (width of the mesh). Apply at 4-5mm thickness. For full system details refer to the Specialized installation guide.</p> <p>When using Renderit Smooth as a bagging finish, apply at 1 to 3 mm using; a Sponge, Hessian bag material or sugar sack (depending on desired finish).</p> <p>The texture of the coat results from the chosen bagging mix, the particular application method that is used to spread the mix and the hand movements of the plasterer. Typically the bagging mix is applied to the wall with a short steel trowel and is then rubbed over or alternatively it is directly applied by hand using the sponge or piece of hessian in the cup of the plasterers hand to lift the mortar from the bucket, this material is then smeared over the bricks.</p>

Health And Safety			
MSDS Number	DLXNZLEN003947	Using Safety Precautions	For detailed information refer to product label and the current Material Safety Data Sheet available through Specialized Construction Products Sales and Customer Service Offices.
MSDS Link	https://go.lupinsys.com/duluxgroup/harms/pm/8aed8f3c74d45b108087f001dffa31bc-published/attachment/nz-sds.pdf		
Health Effects	Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.	Protective Equipment	Wear safety shoes, overalls, gloves, safety glasses, dust mask.
Storage	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.	Disposal	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.
Handling	Avoid eye and skin contact. Avoid inhalation of dust.		
In the case of emergency, please call 0800 734 607			

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 apply Renderit Smooth to wooden surfaces.
- DO NOT apply Renderit Smooth over wet, frozen or frost affected surfaces.
- DO NOT apply Renderit Smooth where it will be subjected to permanent immersion or where ponding will occur.
- DO NOT reactivate Renderit Smooth with water once it has begun to set.
- DO NOT wet the substrate prior to the application of this material.
- DO NOT apply Renderit Smooth unless the substrate has been properly cleaned, primed and prepared

Transport And Storage

Shipment Name	Not dangerous goods. No special transport requirements.		
Size	Weight		
20kg	20kg		
Flash Point	N/A	UN Number	N/A
Dangerous Goods Class	N/A	Package Group	N/A

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