

NZSP00023 Specialized Construction Products Coarse Mesh Coat

Introduction

Part A
19RX5013-20KG

Approval
Used as part of a BRANZ appraised system

Description and Image

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 (MLC) 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

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.

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 Coarse Mesh Coat with additional water.
- DO NOT mix more Coarse Mesh Coat than you can use in 45 minutes.
- DO NOT use Coarse Mesh Coat 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 Coarse Mesh Coat.
- DO NOT apply Coarse Mesh Coat unless the substrate has been properly cleaned, primed and prepared

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. Level
<1 g/L

Full Cure
48 Hours

Clean Up Description
Water - immediately after use.

Application Methods



Trowel

Application Conditions

	Min	Max	Recommended
Wet Film Per Coat (microns)	3000	4000	
Dry Film Per Coat (microns)	3000	4000	
Recoat Time (min/hours)	8 Hours	Indefinite	

Typical Property Notes

Coverage: Approximately 3.5-4.0m² per 20kg bag. Dependent on application rate.

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

Surface Preparation

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.

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.

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.

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.

All cracks that may be the subject to ongoing movement must be correctly repaired and reinforced.

All very porous surfaces should be sealed with an appropriate paint sealer prior to the application of the plaster.

Application Procedure and Equipment

MIXING: 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.

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.

For full system details refer to the Specialized installation guide.

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.

Health and Safety

SDS Number
DLX003952

SDS Link
[View SDS Link](#)

Personal Equipment
Wear safety shoes, overalls, gloves, safety glasses, dust mask.

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.

Please refer to SDS Link. In case of emergency, please call 0800 220 770.

Transport and Storage

Pack A
19RX5013

Size:

20kg

Weight:

20kg

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The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

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WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS/ NZS 4361 Parts 1 and 2 and Worksafe Australia or New Zealand guidelines.