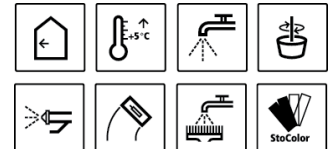


Sto Specification New Zealand

SS800M Stolit Milano Interior Coloured Finishing Render System

Stolit Milano coloured finishing render system
over interior masonry or plasterboard linings

Sto Registration: To register your project with Stoanz Ltd please email the completed specification to info@sto.co.nz



1. PROJECT DETAILS

Specifier:

Project and Address:

Project Owner:

Sto Warranty: **Stolit Milano Interior Render System 5-year Warranty with StoService**

Stolit Milano Render System over Masonry or plasterboard linings

This specification details the interior application of the **Stolit Milano Render System** incorporating: Preparation, **StoLevel Nov** basecoat on masonry walls or Level 4 stopped plasterboard linings, sealed with **Stoplex W sealer**, finished in 2 or 3 coats of **Stolit Milano coloured finishing render** coated with **StoPur WV 200 transparent**, **StoLook Wax** or **S-Protect SC** stay clean silane sealer on internal surfaces.

The **Stolit Milano Render** system is a smooth, structured render that can be burnished, or modelled to provide varying mottled shades in a lightly undulating finish.

Select Finishing Render: **Stolit Milano coloured finishing render**

Select Finishing Sealer:

Sto Registration Number: (Sto Use Only)

23.01_StoReg_tec_sales_SS800_Project Address

Project Notes:

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2. CONSTRUCTION & DETAILING

2.1 Responsibility

All work in this section shall be the responsibility of the Main Contractor, unless previously agreed in writing. Stoanz Limited accepts no responsibility for defective workmanship in relationship to the application of the Sto system, or for defects in the design, construction, or condition of the building, either as built or in relation to the works or site conditions.

The Main Contractor is to ensure that they are fully conversant with the legislation requirements, the project specifications and details, current Sto specification and Sto details (www.sto.co.nz) and any specific installation requirements relating to the Main Contractor's responsibilities before any works commence. The Main Contractor is also responsible for the various subcontractors to ensure that all items relating to substrates, penetrations and dissimilar material junctions affecting the construction system are strictly in accordance with project specific details, manufacturer's instructions and Sto CAD details i.e. items such as openings, lights and security fittings, electrical wiring, plumbing, membranes, dissimilar junctions etc. that abut, flash or penetrate the system. The Main Contractor shall also ensure that all work is undertaken by a registered Sto Contractor, and the window and door joinery is installed in accordance with the project drawings, manufacturer's details and Sto details. Building tolerances should be within MBIE Guide to tolerances.

A **Sto Quality Assurance Document** is to be filled out as a record of the work undertaken by the Sto Contractor.

2.2 Masonry Construction - Meshed Basecoat Render

To clean, dry and cured masonry surfaces, apply one coat of **StoLevel Nov** render by hawk and trowel or pump at an approximate thickness of 5.0 – 6.0 mm and screed the surface with an h rule to achieve an even, straight surface free of hollows and deviations. While still wet, lightly apply **Sto reinforcing mesh** ensuring adjacent drops of mesh are overlapped by a minimum 75 mm and float the surface to ensure the mesh has been embedded in before applying a finishing coat of **StoLevel Nov** at approximately 2.0 mm to cover and level the mesh and joints, removing any ridges or bumps with a Sto feathered straight edge or butterfly spatula. Once dry, check surface is satisfactory for the selected finish and rasp off any ridges. **StoLevel Nov** application procedures must be in accordance with the Technical Data Sheets.

Always install **Sto pre-meshed** corner angles on external corners including recessed joinery and use **Sto pre-meshed finishing edges** or **Sto Stick-On Joinery connectors** at dissimilar material junctions and joinery as required. Where ceilings or plasterboard linings abut masonry walls, a bond breaker should be used to avoid cracking.

2.3 Timber Frame

Timber framing must comply with NZS 3604 for buildings or parts of a building within the scope limitations of NZS 3604. Buildings or parts of a building outside the scope of NZS 3604 must be to a specific design in accordance with NZS 3603 and AS/NZS 1170. Studs must be at maximum 600 mm centres with dwangs fitted flush between the studs as required by the plasterboard supplier. All framing shall be true in vertical and horizontal planes with adequate timber framing including blocking provided by the Main Contractor to facilitate lining fixings and any fixtures. Timber framing must be straight and true with all fixings flush and the moisture content must be 18% or less.

2.4 Steel Frame

Refer to NASH and the plaster board manufacturer's documents for steel framing construction and fixing layout.

2.5 Plasterboard Linings - check project documents for specified thickness

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The plasterboard linings are installed as per the project and plasterboard manufacturer's documents with care taken to ensure that fixing patterns are maintained, and that sheet edges are not damaged. Sheets are installed using a plasterboard adhesive and drywall screw gun with an adjustable depth gauge to ensure the screws are positioned correctly. Sheet thickness is as per the project specification or as stipulated in the carpentry or wall lining section of the general specification.

2.6 Plasterboard Stopping

The installed plaster board is to be stopped and jointed in accordance with the plasterboard manufacturer's instructions to achieve a Level 4 finish minimum.

2.7 Fire Behavior

The Stolit Milano Interior Render System is suitable for interior construction in accordance with NZBC Acceptable Solution C/AS2 Table C1.1. Stolit Milano has an EN 13501-1 Classification of A2-s1, d0, and can be used where a surface finish with a Group Number of 1-S is required.

3. STOLIT MILANO INTERIOR RENDER SYSTEM

3.1 Responsibility

All work in this section shall be the responsibility of the **Sto Contractor** who shall ensure that the surfaces are acceptable before commencing and that adequate protection of all dissimilar materials and adjacent surfaces has been undertaken.

3.2 Selection

Rendering shall be carried out in stages over correctly installed and detailed, base coated masonry or stopped plasterboard linings incorporating: **StoLevel Nov** meshed basecoat render on masonry surfaces or Level 4 stopped plaster board linings both sealed with **Stoplex W** before finishing in **Stolit Milano**. The Sto Contractor shall assure themselves that the surfaces to be rendered are acceptable dry, free of contamination and adequate protection of all dissimilar material and adjacent surfaces is in place before commencing.

3.3 Sealant

Any sealant junctions between the render and adjacent surfaces or dissimilar materials shall be jointed with compatible **MS Sealant** applied in accordance with the manufacturer's Technical Data Sheets.

3.4 Detailing

All details must be in accordance with the project drawings or Sto details.

3.5 Penetrations

Penetrations and fixtures shall be set out prior to the render installation.

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3.6 Materials

- **Primer:** Sto Stoplex W sealer
- **Finishing:** Stolit Milano coloured finishing render
- **Finishing Sealer:** StoPur WV 200 transparent, StoLook Wax, S-Protect SC stay clean.

3.7 Sealer

To clean, dry, sanded base coated masonry surfaces or level 4 stopped and sanded plasterboard, apply a sealer coat of **Sto Stoplex W sealer** by brush and roller at the approximately 8 m² per litre.

3.8 Stolit Milano Render

Stolit Milano is a smooth pre-coloured finish applied in two (2) or three (3) coats. A basecoat of **Stolit Milano** or **Stolit K 1.0 mm** tinted to the selected colour is applied with a stainless steel trowel gauging to the thickness required. Allow to dry before the finishing coats of **Stolit Milano** are applied with a steel trowel and are finished or burnished with a Marmorino trowel as required to the requisite pattern. Allow the **Stolit Milano render** to dry, normally at least overnight, between coats. Once dry, the finish can be sealed, sanded and coated or waxed depending on the project requirement. The spreading rate of the Stolit Milano is approximately 16-18 m² per pail.

Note: Different shades of coloured Milano can be applied to highlight the shading.

3.9 Finishing Sealers and Coatings

- **StoPur WV200 Transparent Clear Sealer (clear coating)**

To clean, dry, **Stolit Milano** surfaces, apply **StoPur WV 200 transparent** clear sealer carefully mixed by adding component B with A and drill mix together. Decant into a clean container and thin sparingly (maximum 10%) with clean fresh water before applying one or two coats by brush and Sto Micro roller at approximately 8-10 m² per litre.

Note: Always maintain wet edges, especially between cutting in, and roll in tight to ensure there are no shadow lines and an even film.

- **S-Protect SC Stay Clean Invisible Silane Sealer (clear sealer)**

To **Stolit Milano**, apply an even coat of **S-Protect SC stay clean** hydrophobic sealer (clear invisible Silane sealer) in a flood coat using a low-pressure sprayer and Sto block brush to work the product into the Stolit render, avoiding runs and brushing in any lingering drips etc. so they don't show up. Surfaces must be well coated, and it is recommended to work in a pattern preferably out of the sun to ensure that there are no misses as the sealer is invisible once dry.

Note: All joinery and glazing must be masked off to prevent the **S-Protect SC Stay Clean** contaminating the joinery or glazing. Any excess product must be removed after 15 minutes to avoid a surface film forming that can be difficult to remove.

- **Alternative: StoLook Wax**

StoLook Wax is a gloss polish applied with a Marmorino trowel in an even coat and polished/buffed to a gloss finish.

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4. GENERAL NOTES

4.1 Colour

As selected by the client or specifier from the StoColor System

5. STOSERVICE ASSURANCE

5.1 StoService Assurance

The Sto Interior System must be cleaned annually to remove dust and surface contaminants. Any damage identified must be repaired by engaging the Sto Contractor to carry out the necessary repairs.

6. WARRANTY

6.1 Sto Milano Interior Render System 5-year Warranty

When the **Stolit Milano Render System** is applied in accordance with the Sto specification, Sto details and Sto Quality Assurance document a warranty is available for five (5) years from the date of practical completion. This is to comply with the relevant clauses in the New Zealand Building Code for this type of building element provided the maintenance requirements are followed.

The warranty is supplied by the Sto Contractor on completion of the project with the warranty issued and backed by Stoanz Limited as to the suitability of the material supplied provided that:

- (a) All specified work is carried out by a registered Sto Contractor who must complete and sign off the Sto Quality Assurance Schedule and the five-year PS3 Workmanship Warranty.
- (b) All work is carried out in accordance with this Specification, or any written amendments issued by Stoanz Limited.
- (c) The warranty does not cover situations where the render system is subjected to physical disturbance, chemical contamination, structural movement, or interference.
- (d) The substrate under the render must be structurally sound. Cracks in the substrate that reflect through the render are not covered by the StoWarranty.

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7. DISCLAIMER

7.1 Disclaimer

The information contained in this specification is based on our findings, experience, testing and certification at the revision date. End users are still responsible for establishing the suitability of the specified products regarding their intended use. No liability is undertaken for use of this information outside of Stoanz Limited parameters or for the substrates, design, construction, and project site conditions that are outside of Stoanz Limited's control. Where a Sto registered contractor applies Stoanz purchased products in accordance with the Sto Specifications, Material Technical Data Sheets and Sto Details, a Sto Material Warranty document is available, but the installation of the materials remains the responsibility of the Sto Contractor who provides the PS3 Warranty. Any warranty is conditional on the system being maintained and serviced in accordance with the StoService documentation. Stoanz reserves the right to alter or update information and formulations at any time without prior notice.