

*SPEC NOTE: IMPORTANT: This guide specification covers installation of a textured finish system over building code compliant wall construction. It does not address air sealing, ventilation, and other important aspects of design that must be taken into consideration for high humidity areas such as pool rooms. Consult with a qualified design professional for overall design of the wall assembly and mechanical engineering of the pool room space. Where necessary conduct dynamic hygrothermal modeling to evaluate and verify the performance of the final design.*

*SPEC NOTE: Notes in italics, such as this one, are explanatory and intended to guide the design/construction professional and user in the proper selection and use of materials. This specification should be modified where necessary to accommodate individual project conditions.*

## PART 1 GENERAL

### 1.1 SUMMARY

- .1 Provide textured finish system for interior pool room walls over compatible interior wall board substrates specially designed for pool room applications.

### 1.2 SUBMITTALS

- .1 Product Data: Submit manufacturer's product data and installation instructions for each material and product used. Include manufacturer's Safety Data Sheets.

### 1.3 REFERENCES

- .1 National Gypsum, PermaBase® Brand Cement Board Construction Guide
- .2 Georgia-Pacific, DenShield® Tile Backer

### 1.4 QUALITY ASSURANCE

- .1 Manufacturer's Qualifications: The textured finish system manufacturer shall be a company with at least thirty five years of experience in manufacturing specialty finishes and regularly engaged in the manufacture and marketing of products specified herein. The manufacturer shall have an ISO 9001:2008 certified quality system and ISO 14001:2004 certified environmental management system.
- .2 Installer's Qualifications: The contractor shall be qualified to perform the work specified by reason of experience. Contractor shall have at least 5 years of experience in commercial textured finish application, and shall have completed at least 3 projects of similar size and complexity. Contractor shall provide proof before commencement of work that he/she will maintain and supervise a qualified crew of applicators through the duration of the work. When requested Contractor shall provide a list of the last three comparable jobs including the name, location, and start and finish dates for the work.
- .3 Mock-ups: The contractor shall install a mock-up of the system for evaluation and approval by the design professional, building owner, or owner's representative/quality assurance agent.

- .4 Testing: Testing shall be conducted as directed by the design professional, building owner, or owner's representative/quality assurance agent to verify wall assembly performance and to verify adhesion to prepared substrates before and during construction.

## 1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver products in original packaging, labeled with product identification, manufacturer, and batch number.
- .2 Store products in a dry area with temperature maintained between 10 and 29 degrees C (50 and 85 degrees F). Protect from direct sunlight. Protect from freezing. Protect from extreme heat (> 32 degrees C [90 degrees F]).
- .3 Handle products in accordance with manufacturer's printed instructions.

## 1.6 WARRANTY

- .1 Provide manufacturer's standard limited warranty.

# PART 2 PRODUCTS

## 2.1 MATERIALS

*SPEC NOTE: Select one of the following textured finish options, and delete the finishes not required on the project.*

- .1 Textured Finishes
  - .1 Stolit – high performance decorative and protective acrylic-based textured wall finish with integral colour
  - .2 Sto Essence DPR – high performance decorative and protective textured wall finish with integral colour
- .2 Primer
  - .1 Sto Primer – acrylic-based sanded primer

*SPEC NOTE: Select one of the following waterproof base coat options, and delete the base coat not required on the project.*
- .3 Waterproof Base Coat
  - .1 Sto Flexyl – one component acrylic-based additive combined with portland cement
  - .2 Sto Watertight Coat – two component acrylic-based additive with dry ingredient
- .4 Surface Reinforcement
  - .1 Sto Mesh – nominal 153 g/m<sup>2</sup> (4.5 oz/yd<sup>2</sup>) glass fibre reinforcing mesh treated for compatibility with Sto materials
- .5 Interior Pool Room Wallboard (select one)

- .1 PermaBase Brand cement board as manufactured by National Gypsum
- .2 DensShield Tile Backer as manufactured by Georgia-Pacific

## PART 3 EXECUTION

### 3.1 INSTALLATION

*SPEC NOTE: Coarse texture finishes (equal to or greater than 1.5 mm texturing aggregate) are recommended to hide trowel marks and other minor surface imperfections in the base coat surface. Fine or smooth texture finishes require tighter tolerances than coarse textures. Where fine or smooth texture finishes are used a second application of base coat and/or a skim coat of Stolit Milano may be necessary to provide a smooth enough surface for an acceptable finished wall surface. The approved mock up shall be the basis for acceptable tolerances, finished appearance, and the number of layers of base coat or skim coat needed to achieve the finished appearance, as determined by the design professional, owner, or owner's representative/quality assurance agent.*

- .1 Wall board must be clean, dry, and free of surface contamination. Wall board must be installed in conformance with wall board manufacturer's written installation instructions, except joint taping and spotting of fasteners with joint compound are not required. Wall board accessories such as corner beads must be corrosion proof and with perforated flanges for keying of the base coat.
- .2 Mixing
  - .1 Mix Sto products in accordance with published literature. Refer to applicable Product Bulletins for specific information on use, handling, application, precautions, and limitations of specific products.
- .3 Application
  - .1 Install corrosion resistant termination accessories at junctures with penetrations such as pipes, electrical fixtures, and window and door openings. Refer to Sto Guide details.
  - .2 Install nominal 3 mm (1/8 inch) base coat by trowel to the wall board surface. Work horizontally or vertically in strips of 1000 mm (40 inches), and immediately embed the mesh into the wet base coat by troweling from the center to the edge of the mesh. Overlap mesh not less than 65 mm (2-1/2 inches) at mesh seams and feather at seams. Double wrap all inside and outside corners with minimum 200 mm (8 inch) overlap in each direction (if accessories are NOT used at these locations). Avoid wrinkles in the mesh. The mesh must be fully embedded so that no mesh colour shows through the base coat when it is dry. Re-skim with additional base coat if mesh colour is visible. Where accessories are used overlap perforated flanges of accessories with the base coat/reinforcing mesh application. Do not install base coat and mesh onto solid (unperforated) portions of accessories.
  - .3 When the base coat application is dry apply the primer by brush or roller to the entire base coat surface.
  - .4 When the primer application is dry apply the textured finish by trowel. Apply finish in a continuous application, and work to a wet edge. Float the finish to achieve the desired texture.

- .4 Protection
  - .1 Provide protection of installed materials from water infiltration into or behind them.
  - .2 Provide protection of installed materials from dust, dirt, precipitation, freezing and continuous high humidity until they are fully dry.
  - .3 Seal penetrations, seams, gaps, cracks, and other discontinuities in the finished wall surface to prevent air leakage towards the exterior or adjacent spaces.

END OF SECTION 09 94 13

#### **ATTENTION**

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