



Building with conscience.

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Sto Guide Specification No. 1200 StoQuik® Finish for Pool Rooms

**Section 09 25 13.13
ACRYLIC PLASTER FINISH
or
Section 09 77 00
SPECIAL WALL SURFACING**

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.

The applicable CSI Section number depends on the finish selected: Sto Textured Finishes and Sto Signature Finishes are Acrylic Plaster Finish. Sto Specialty Finishes and StoCast Finishes are Special Wall Surfacing

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PART 1 GENERAL

1.1 SUMMARY

- A. Provide finish for interior pool room walls and ceilings over compatible interior wall board and ceiling substrates specially designed for pool room applications.

IMPORTANT: This guide specification covers installation of a Class A finish over building code compliant wall and ceiling construction. It does not address air sealing, ventilation, and other important aspects of design that must be taken into consideration for high humidity spaces such as pool rooms. Consult with a qualified design professional for overall design of the wall and ceiling 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.

1.2 SUBMITTALS

- A. 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

- A. ASTM Standards
1. C920, Standard Specification for Elastomeric Joint Sealants
 2. E84, Standard Test Method for Surface Burning Characteristics of Building Materials
- B. South Coast Air Quality Management District (South Coast AQMD)
1. Rule 1113, Architectural Coatings

1.4 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: The finish manufacturer shall be a company with at least thirty five years of experience in manufacturing acrylic plaster and 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.
- B. 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 acrylic plaster or specialty 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.
- C. Mock-ups: The contractor shall install a mock-up of the finished wall for evaluation and approval by the design professional, building owner, or owner's representative/quality assurance agent.
- D. Testing: Testing shall be conducted as directed by the design professional, building owner, or owner's representative/quality assurance agent to verify wall/ceiling assembly performance and to verify adhesion to prepared substrates before and during construction.

1.5 DELIVERY, STORAGE AND HANDLING

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

1.6 WARRANTY

- A. Provide manufacturer's standard limited warranty.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Finishes, primers, adhesives, stains and any other associated materials used with the finish shall be Class A building materials based on testing in accordance with ASTM E84. VOC (Volatile Organic Content) shall be less than 50g/L and shall comply with South Coast AQMD Rule 1113 requirements.

Note: select one interior pool room wall board

- B. 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
- 3. Diamondback® Tile Backer as manufactured by CertainTeed
- 4. Durock® Brand cement board as manufactured by USG
- 5. Durock® Brand Tile Backer as manufactured by USG

- C. Surface Reinforcement

- 1. Sto Mesh – nominal 4.5 oz/sq.yd. (153 g/sq.m.) glass fiber reinforcing mesh treated for compatibility with Sto materials

Note: select one waterproof base coat

- D. Waterproof Base Coat

- 1. Sto Flexyl – two component: acrylic additive combined with portland cement in the field
- 2. Sto Watertight Coat – two component: acrylic additive with pre-proportioned portland cement

Note: priming is required over the waterproof base coat. Select one primer as applicable

- E. Primer

- 1. StoPrime® Sand – acrylic-based sanded primer for use with Sto Textured Finishes, Sto Specialty Finishes, Sto Signature Finishes, and StoCast Finishes
- 2. StoPrime® – acrylic-based smooth primer for use with Sto Smooth Finishes (Stolit Freeform applied to create a smooth wall finish)

Note: select finish based on sample submittals and approved mock-up

- F. Textured Finishes
 - 1. Stolit® HDP™ -- factory blended, decorative and protective, hydrophobic, acrylic textured wall finish with integral color
 - 2. Stolit® – factory blended, decorative and protective acrylic textured wall finish with integral color
 - 3. Stolit® X – factory blended, decorative and protective, acrylic textured wall finish with integral color, and enhanced polymer technology for easy spread and float application
 - 4. Sto Essence DPR – decorative and protective textured wall finish with integral color
- G. Sto Specialty Finishes
 - 1. StoCreativ® Granite, StoCreativ® Lux, Sto GraniTex®, or Sto Decocoat® factory blended, decorative and protective clear acrylic textured wall finishes with factory blended aggregate color
- H. Sto Smooth Finish
 - 1. Stolit® Freeform – factory blended, decorative and protective acrylic-based wall finish (can be applied to create a smooth wall finish)
- I. Sto Signature™ Series Finishes – combinations of Sto factory prepared acrylic finishes that create special effect architectural surfaces with trowel techniques
- J. StoCast Finishes – Sto factory cast decorative and protective finishes
 - 1. StoCast Wood
 - 2. StoCast Brick
- K. Accessories
 - 1. StoSeal STPE Sealant - high-movement, low modulus, non-sag one-component silyl-terminated polyether joint sealant in compliance with ASTM C920

2.2 PERFORMANCE REQUIREMENTS

- 1. Waterproofing, primers, and applicable finish components: ASTM E84, flame Spread less than 25, smoke developed less than 75, Class A building material
- 2. Waterproofing, primers, and applicable finish components: South Coast AQMD Rule 1113, Volatile Organic Content (VOC), comply with applicable requirement of coating category

PART 3 EXECUTION

3.1 INSTALLATION

- A. General Surface Preparation: wall board and ceiling substrates must be clean, dry, and free of surface contamination. Wall board and ceiling substrates 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. Accessories such as corner beads must be corrosion proof and with perforated flanges for keying of the base coat.
- B. 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.
- C. 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 1/8 inch (3 mm) base coat by trowel to the wall board surface. Work horizontally or vertically in strips of 40 inches (1016 mm), 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 2-½ inches (64 mm) at mesh seams and feather at seams. Double wrap all inside and outside corners with minimum 6-inch (152 mm) 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 color shows through the base coat when it is dry. Re-skim with additional base coat if mesh color 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 Sto finish
 - a. Sto Textured Finish Installation: Refer to applicable Product Bulletin
 - b. Sto Specialty Finish Installation: Refer to applicable Product Bulletin
 - c. Signature Finish Installation: Refer to applicable Sto Signature Finish Application Guide
 - d. StoCast Finish Installation: Refer to applicable StoCast Product Bulletin and Application Guide
- D. 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 and ceiling surfaces to prevent air leakage towards the exterior or adjacent spaces.

ATTENTION

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components. **STO CORP. DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME.** For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.com.