



Building with conscience.

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**Sto Guide Specification No. 1002**  
**StoQuik® Finish with StoCast Brick for Interior Gypsum Wallboard**

**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.*

## Table of Contents

<b>PART 1</b>	<b>GENERAL</b> .....	<b>3</b>
1.1	SUMMARY .....	3
1.2	SUBMITTALS.....	3
1.3	REFERENCES .....	3
1.4	QUALITY ASSURANCE .....	3
1.5	DELIVERY, STORAGE AND HANDLING .....	4
1.6	WARRANTY.....	4
<b>PART 2</b>	<b>PRODUCTS</b> .....	<b>4</b>
2.1	MANUFACTURERS.....	4
2.2	MATERIALS .....	4
2.3	PERFORMANCE REQUIREMENTS.....	4
<b>PART 3</b>	<b>EXECUTION</b> .....	<b>5</b>
3.1	INSTALLATION.....	5

## PART 1 GENERAL

*This guide specification covers installation of a Class A resin cast brick finish over building code compliant interior gypsum board wall and ceiling construction. The resin cast brick finish is not recommended for use on walls or ceilings requiring high scrub resistance or repeated exposure to chemical cleaners such as shower stalls, food preparation areas, or hospital operating rooms. For more information contact Sto Corp. at 1800 221 2397.*

### 1.1 SUMMARY

- A. Provide resin cast thin lightweight bricks for interior gypsum board wall and ceiling surfaces

### 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. C840, Standard Specification for Application and Finishing of Gypsum Board
  - 2. C920, Standard Specification for Elastomeric Joint Sealants
  - 3. E84, Standard Test Method for Surface Burning Characteristics of Building Materials
  - 4. E119, Standard Test Methods for Fire Tests of Building Construction Materials
- B. Gypsum Association Standards
  - 1. GA 214, Levels of Finish for Gypsum Panel Products
- C. 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 specialty finishes and regularly engaged in the manufacture and marketing of products specified herein. The manufacturer shall have a current ISO 9001 certified quality system and ISO 14001 certified environmental management system.
- B. Installer's Qualifications: The contractor shall be qualified to perform the work specified by reason of experience. The contractor shall have at least 5 years of experience in specialty finish application and shall have completed at least 3 projects of similar size and complexity. The 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 the 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 MANUFACTURERS

- A. Sto Corp., 3800 Camp Creek Parkway, Building 1400, Suite 120, Atlanta, GA 30331
- B. Obtain primer, adhesive and pointing mortar, resin cast brick, and sealant from single source

### 2.2 MATERIALS

*Note: Priming is required prior to application of resin cast brick finish over new interior gypsum board wall or ceiling surfaces. The primer may be omitted if gypsum board is painted with latex flat paint. If paint is glossy (eggshell, satin, or gloss), de-gloss the surface by lightly sanding, remove dust and any other surface contamination, apply a skim coat of Sto Bonding & Pointing Mortar, and verify adhesion.*

- A. Primer: StoPrime® Sand - acrylic-based sanded primer for use with StoCast Brick
- B. Adhesive and Mortar: Sto Bonding & Pointing Mortar - one component integrally colored organic adhesive and mortar for use with StoCast Brick.
- C. Resin Cast Brick: StoCast Brick - thin lightweight, flexible resin cast bricks for use on interior and exterior walls and ceilings.
- D. Accessories
  - 1. StoSeal STPE Sealant - high-movement, low modulus, non-sag one-component silyl-terminated polyether joint sealant in compliance with ASTM C920

### 2.3 PERFORMANCE REQUIREMENTS

- A. Resin Cast Brick with Bonding and Pointing Mortar
  - 1. Surface Burning: ASTM E84, flame Spread 0, smoke developed 20, Class A building material
  - 2. Fire Resistance: ASTM E119, maintains hourly rating of existing non-load bearing wall assembly

3. Volatile Organic Content (VOC): less than 50 grams per liter (Bonding and Pointing Mortar). Complies with South Coast AQMD Rule 1113

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. General Surface Preparation: gypsum board substrates must be clean, dry, and free of surface contamination. Gypsum board must be installed in conformance with ASTM C840 and gypsum board manufacturer's written installation instructions and finished to a minimum Level 4 finish per GA 214.
- 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. Primer Application: apply the Sto primer by brush, roller, or spray to the prepared gypsum board surface in accordance with the applicable Product Bulletin
  2. Resin Cast Brick Application: when the primer is dry install StoCast Brick. Refer to applicable StoCast Brick and Sto Bonding and Pointing Mortar Product Bulletins and StoCast Brick 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. Provide adequate ventilation as materials dry to minimize odor

#### 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](http://www.stocorp.com).