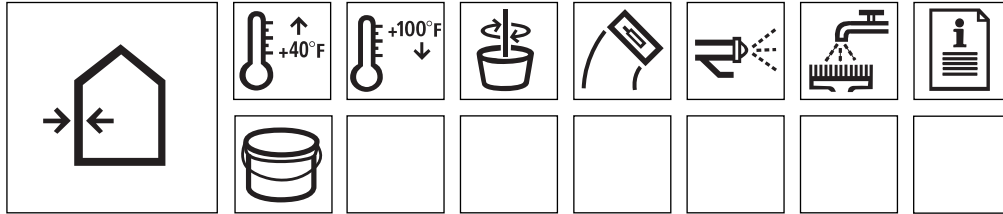


## Sto RFP

225

Division 7

225 Sto RFP



## Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
<b>Adhesion</b> (psi) [kPa]	ASTM C-297	28 days	> 13 - EPS board* [90] > 30 - Dens-Glass® Gold** [207]* > 25 - Gypsum sheathing* [172] > 95 - Concrete block [655] > 50 - Concrete [345]
<b>Water Absorption</b> (oz/ft²/hr) [kg/m²/hr]	Lab Method	28 days	0.331 [0.099]
<b>Flexural Strength</b> (psi)	ASTM C-203	28 days	65 [448]
<b>Impact Strength</b>	EIMA 101.86	Standard impact classification	Pass
<b>Accelerated Weathering</b>	ASTM G-23	2000 hours	Pass
<b>Freeze/Thaw Resistance</b>	EIMA 101.01	No deterioration at 60 cycles	Pass @ 90 cycles
<b>Surface Burning</b>	ASTM E-84	< 25 Flame spread < 450 Smoke developed	0 20
<b>VOC</b> (g/L)	This product complies with US EPA (40 CFR 59) and South Coast AQMD (Rule 1113) VOC emission standards for architectural coatings.		

\*Substrate failure

\*\*Dens-Glass® Gold is a registered trademark of G-P Gypsum Corp.

*Sto RFP is a ready-mixed acrylic-based plaster material used as a base coat in StoTherm® Claddings including StoTherm® NExT. This fiber-reinforced product may also be used to repair hairline cracks in prepared concrete, masonry or plaster surfaces.*

**Coverage**

85-100 ft² (7.9-9.3 m²) at the recommended dry thickness of 1/16" (1.6 mm) over properly rasped Sto Insulation Board. Coverages may vary depending on application technique and surface conditions.

**Packaging**

5 gal. pail (19 L).

**Shelf Life**

12 months, if properly stored and sealed.

**Storage**

Protect from extreme heat [90°F (32°C)], freezing and direct sunlight.

Features	Benefits
<b>1 Ready-mixed</b>	Ready to use; no cement added at job site
<b>2 Polymer-based</b>	Eliminates efflorescence risk; increases finish coverage
<b>3 100% Acrylic polymers</b>	Superior flexural strength; resists cracking
<b>4 Vapor permeable</b>	Allows substrate to breathe naturally; resists blisters caused by trapped vapor
<b>5 Water-based</b>	Safe, non-toxic; cleans up with water

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sto®

# 225 Sto RFP

## Surface Preparation

**Concrete and masonry surfaces:** Surfaces must be clean, dry, and free of frost, damage, and all bond-inhibiting materials, including dirt, efflorescence, form oil and other foreign matter. Loose or damaged material must be removed by waterblasting, sandblasting or mechanical wire brushing and repaired. Avoid application over irregular surfaces. Refer to ASTM D-4258 and ASTM D-4261 for complete details on

methods of preparing cementitious substrates for coatings.

**Sto Exterior Insulation and Finish Systems (EIFS):** Insulation board must be rasped and free of all bond-inhibiting materials.

**StoQuik® Gold Soffit System:** Sheathing surface must be free of all bond-inhibiting materials, damage or deterioration.

## Mixing

Mix with a clean, rust-free electric drill and paddle. A small amount of clean, potable water may be added to aid workability.

## Application

Apply only to sound and clean, dry, properly prepared, frost-free surfaces.

### Sto Exterior Insulation and Finish System/StoQuik® Gold Soffit System:

Apply Sto RFP with spray equipment such as the StoSilo System or Sto's M-8 Spray Pump, or apply manually with a stainless steel trowel, to an approximate thickness of  $\frac{1}{8}$ " (3 mm). Work horizontally or vertically in strips of 40" (1 m), and immediately embed Sto Mesh into the wet Sto RFP by troweling from the center to the edges of the mesh. Avoid wrinkles in the mesh and smooth the base coat to eliminate trowel marks. Sto RFP must completely hide the reinforcing mesh when dry. Reapply additional base coat, if necessary, to hide the reinforcing mesh as soon as first application is dry. Once applied, the working time is up to 25 minutes depending upon material, ambient temperatures and surface conditions.

**Crack Repair:** Embed 6" (152 mm) wide Sto Mesh centered over the crack in Sto RFP and feather along edges.

### Curing/Drying

Sto RFP dries within 24 hours under normal conditions [70°F (21°C), 50% RH]. Full drying varies depending on temperature/humidity and surface conditions.

Cool damp conditions retard drying and may require extended periods of protection from rain and freezing.

Protect from rain, freezing and continuous high humidity until completely dry.

### Clean Up

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

## Limitations

- Use Sto RFP only when surface and ambient temperatures are above 40°F (4°C) and below 100°F (38°C) during application and drying period.
- Sloped surfaces: refer to Sto details.
- Sto RFP should not be used as a finish coat.
- Sto RFP should not be used on weather-exposed horizontal or below grade surfaces or where immersion in water may occur.

## Health And Safety

### Health Precautions

Product is water-based. As with any chemical construction product, exercise care when handling.

### Safety Precautions

Use adequate ventilation. Safety goggles and protective gloves are recommended. Remove contaminated clothing immediately.

### First Aid

**SKIN CONTACT:** Wash thoroughly with soap and water.

**EYE CONTACT:** Flush immediately with water for 10-15 minutes and contact a physician.

**RESPIRATORY PROBLEMS:** Remove affected person to fresh air immediately and contact a physician.

**HYGIENE:** Wash hands immediately after use.

Wash clothing before reuse.

### Spills

Collect with suitable absorbent material such as cotton rags.

### Disposal

Dispose of in accordance with local, state or federal regulations.

### Warning

KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Material Safety Data Sheet for further health and safety information.

### Limited Warranty

THIS PRODUCT IS SUBJECT TO A WRITTEN LIMITED WARRANTY WHICH CAN BE OBTAINED FREE OF CHARGE FROM: Sto Corp., 3800 Camp Creek Parkway, Building 1400, Suite 120, Atlanta, GA 30331; Tel: 404-346-3666; Fax: 404-346-3119.

### ATTENTION

This product is 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. It 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 this product or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. **STO CORP.**

**DISCLAIMS ALL WARRANTIES EXPRESSED 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).

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