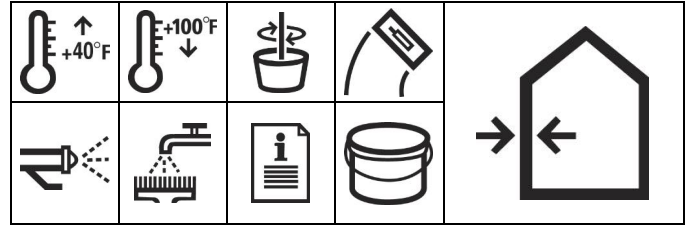


## Stolit® S Acrylic Textured Finish

81889 Stolit S 1.0  
81890 Stolit S 1.5  
81891 Stolit S Freeform  
81892 Stolit S R1.5



Technical Data			
REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Salt Spray	ASTM B117	300 hours	No deleterious effects
Water Resistance	ASTM D2247	14 days	No deleterious effects
Tensile Adhesion	ASTM D4541	EIFS: minimum 15 psi (103 kPa) Concrete Masonry: minimum 50 psi (344 kPa)	Greater than 15 psi (103 kPa) Greater than 120 psi (827 kPa)
Surface Burning	ASTM E84	Flame Spread: $\leq 25$ Smoke Developed: $\leq 450$	Less than 10 Less than 5
Water Vapor Transmission	ASTM E96 Modified	Greater than 10 perms (572 ng/Pa·s·m <sup>2</sup> )	20 perms (1144 ng/Pa·s·m <sup>2</sup> )
Water Penetration Resistance	ASTM E331	No water penetration	No water penetration @ 6.24 psf (300 Pa) after 2 hours
Freeze-thaw Resistance	ASTM E2485	10 cycles	No deleterious effects after 10 cycles
Impact Resistance	ASTM E2486	No mesh fracture minimum 6 out of 10 impacts at 25-49 in-lb (2.83-5.54 J)	Pass, meets Standard impact classification w one layer Sto Mesh
Mold Resistance	ASTM E3273	90 days	Pass
Accelerated Weathering	ASTM G155	2000 hours	No deleterious effects after 2000 hours
Fire Spread	NFPA 285	Fire resistance and flame propagation	Meets criteria for use on multistory noncombustible construction
Radiant Heat Ignitability	NFPA 268	No sustained flaming	Meets criteria
VOC (g/L)	This product complies with US EPA (40 CFR 59) and South Coast AQMD (Rule 1113) VOC emission standards for architectural coatings. VOC less than 50 g/L.		

Results are based on lab testing under controlled conditions. Results can vary between labs or from field tests.

Features	Benefits
1 Enhanced Polymer Technology	Spreads and floats easily; pronounced texture
2 Vapor Permeable	Allows substrate to breathe naturally
3 DPR Technology	Dirt pick-up resistant
4 Integral Sto HP Colorants	Excellent fade resistance
5 Moisture Resistant	Repels water; resists wind driven rain
6 Water-based	Safe, non-toxic; cleans up with water
7 Low VOC	Low environmental impact, improved IAQ

### Surface Preparation

**Concrete, masonry and stucco surfaces:** surfaces must be fully cured, clean, dry, and free of frost, damage, and all bond-inhibiting materials, including dirt, dust, efflorescence, form oil and other foreign matter. Loose or damaged material must be removed by water- blasting,

sandblasting or mechanical wire brushing and repaired. Avoid application over irregular surfaces. Resurface, patch or level surfaces to required tolerance. For best results use the appropriate Sto primer prior to applying finish. Refer to product bulletin.

*Stolit® S is a ready-mixed, premium acrylic-based exterior or interior sandy textured wall finish for use in StoTherm® ci Systems and over prepared vertical above grade concrete, masonry, and stucco substrates.*

### Coverage (per pail)

Stolit S 1.0:  
140-165 ft<sup>2</sup> (13.0 – 15.3 m<sup>2</sup>)

Stolit S 1.5:  
120-145 ft<sup>2</sup> (11.1 – 13.5 m<sup>2</sup>)

Stolit S R1.5:  
125-155 ft<sup>2</sup> (11.6 – 14.4 m<sup>2</sup>)

Stolit S Freeform:  
110-130 ft<sup>2</sup> (3.7 – 12.1 m<sup>2</sup>) when installed uniformly in one coat at recommended minimum 1/16-in thickness.

Coverage will vary depending on substrate conditions, application technique, waste factor, and final thickness.

Construct a mock-up under actual conditions of use to verify proper surface preparation, coverage, and aesthetics, for approval by the appropriate authority.

### Packaging

5 gal pail (19L).

### Shelf Life

18 months, if properly sealed and stored.

### Storage

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

## Stolit® S Acrylic Textured Finish

### Surface Preparation cont.

**StoTherm® ci:** surface must be clean, dry and free of all bond-inhibiting materials. Prime portland cement base coats with Sto Primer tinted to the same color as the finish for best results.

**Gypsum wallboard surfaces:** Wallboard must be taped and fasteners spotted with joint compound.

Refer to ASTM C-840 and gypsum wallboard manufacturer's literature. Surface must be free of dust, dirt and other bond inhibiting materials. Surface must be primed with appropriate Sto primer tinted to the same color as the finish for best results.

### Mixing

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

workability. Limit addition of water to amount needed to achieve the finish texture.

### Application

**1.0, 1.5, and R1.5 Textures:** Apply with a clean stainless steel trowel to a rough thickness slightly more than the largest aggregate size. Use the trowel to scrape the material down to a uniform thickness no greater than the largest aggregate size. Achieve final texture by floating with a stainless steel or plastic trowel in a figure eight motion. Once applied, the working time is up to 20 minutes depending upon material, ambient temperatures and surface conditions.

**Freeform Texture:** Apply with a clean, stainless steel trowel. Application thickness varies depending on the pattern or texture desired, (maximum thickness not more than 3/16" [4.8 mm]). Texturing may be achieved by trowel, special roller or putty knife. Maintain uniform texture and minimum 1/16" (1.6 mm) thickness to help promote consistent color.

**Spray Application:** spray evenly with appropriate spray equipment to ensure full coverage of the surface.

**IMPORTANT:** ALWAYS check color for proper match. If color does not match, STOP-call your Sto representative. For best results always prime

cementitious substrates. Apply coating in a continuous application, always working from a wet edge or architectural break to eliminate cold joints. Minor shade variations may occur from batch to batch (refer to batch no. on pail). Avoid installing separate batches side-by-side and avoid application in direct sunlight. Avoid installing new finish adjacent to weathered or aged finish. Sto Corp. will not be responsible for shade or color variation from batch to batch, variation caused by application, or substrate deficiencies, or fading resulting from natural causes such as weather. See Tech Hotline Nos. 0694-C, 0893-EC and 1202-CF for helpful tips on prevention of color problems. Protect installed product from rain, freezing, and continuous high humidity until completely dry.

### Curing/Drying

Dries within 24 hours under normal drying conditions [70°F (21°C), 50% RH]. Drying time varies with temperature/humidity and surface conditions. Thicker textures and application during cold, wet weather require extended drying time and protection.

### Clean Up

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

### Limitations

- Use only when surface and ambient temperatures are above 40°F (4°C) and below 100°F (38°C) during application and drying period.
- StoTherm ci and other EIF Systems: select colors with a lightness value of 20 or greater. Refer to Sto Tech Hotline No. 1294-E
- Refer to Sto Tech Hotline 0893-EC when using intense, highly saturated colors or colors requiring the use of organic pigments
- Not for use on weather-exposed horizontal surfaces, below grade, or on surfaces subject to water immersion.
- Sloped surfaces: Refer to Sto details.

### Health And Safety

#### Health Precautions

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

#### WARNING!

Causes eye and skin irritation.

#### Precautionary Statement

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

#### FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

**Skin Contact:** Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**Ingestion:** If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Spills:** Collect with suitable absorbent material such as cotton rags.

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

**Warning:** KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet for further health and safety information. Safety Data Sheet (SDS) is available at [www.stocorp.com](http://www.stocorp.com)

#### LIMITED WARRANTY

This product is subject to a written limited warranty which can be obtained free of charge from Sto Corp. Refer to Sto Specifications for more complete information on proper use and handling of this product.

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#### 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).