

Stolit[®] Acrylic Textured Finish

- 80130 Stolit 1.0 80142 Stolit R2.0 82130 Stolit 1.0 Dark Colors
- 80131 Stolit 1.5 80143 Stolit R3.0 82131 Stolit 1.5 Dark Colors
- 80132 Stolit 2.0 80156 Stolit Freeform 82141 Stolit R1.5 Dark Colors
- 80135 Stolit 3.0 80175 Stolit .75 82156 Stolit Freeform Dark Colors
- 80141 Stolit R1.5



Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Surface Burning	ASTM E-84	< 25 Flame Spread < 450 Smoke Developed	0 5
Flexibility	ASTM D-522	4" mandrel bend	Pass
Water Vapor Transmission (U.S. perms)	ASTM E-96 Modified	28 days	37
Accelerated Weathering	ASTM G-53	2000 hours	No deleterious effects @ 4000 hrs
Chalk Rating	ASTM D-4214	2000 hours 5000 hours	9 (10 = best on scale 1-10) 8
Yellowness Index	ASTM E-313	5000 hours	1.50 (0 = no change; 2 = barely discernable change)
Freeze-thaw Resistance	EIMA 101.01	60 cycles	No deleterious effects @ 90 cycles
Mildew Resistance	ASTM D-3273	No growth @ 28 days	No growth @ 42 days
Salt Spray Resistance	ASTM B-117	300 hours	No deleterious effects @ 500 hrs
Wind Driven Rain	Fed TT-C 555B	24 hour driving rain	No water penetration
Water resistance	ASTM D-2247	14 days	No deleterious effects @ 28 days
Abrasion resistance	ASTM D-968	528 qts. sand	No cracking, checking or loss of film integrity @ 1057 qts.
Tensile Adhesion (psi)	EIMA 101.03	No failure in the EIFS adhesive, basecoat or finish; minimum 5 psi	Pass
Adhesion (psi)	ASTM D-4541	28 days	> 90 to concrete
Fire Resistance	ASTM E-119	No effect on fire resistance rating of existing rated wall assembly	Pass
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.		

A ready-mixed, acrylic-based exterior or interior textured wall finish. Stolit is used as a decorative and protective wall coating over prepared vertical above grade concrete, masonry and plaster substrates, and in StoTherm[®] ci Systems.

Coverage

- 80130/82130 Stolit 1.0: 140-165 ft² per pail (13-15.3 m²).
- 80131/82131 Stolit 1.5: 120-145 ft² per pail (11.1-13.5 m²).
- 80132 Stolit 2.0: 75-100 ft² per pail (7-9.3 m²).
- 80135 Stolit 3.0: 55-70 ft² per pail (5.1-6.5 m²).
- 80141/82141 Stolit R1.5: 135-160 ft² per pail (12.5-14.9 m²).
- 80142 Stolit R2.0: 75-100 ft² per pail (7-9.3 m²).
- 80143 Stolit R3.0: 55-75 ft² per pail (5.1-7 m²).
- 80156/82156 Stolit Freeform 40-130 ft² per pail (3.7-12.1 m²).
- 80175 Stolit .75: 160-190 ft² per pail (14.9-17.7 m²).

Coverages may vary depending on application technique and surface conditions.

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.

Features Benefits

1 Sto Optilink[®] Enhanced Polymer Technology	Higher resistance to dirt pick-up, mildew and algae growth; Easier to apply and texture
2 Vapor Permeable	Allows substrate to breathe naturally; resists blisters caused by trapped vapor
3 Ready Mixed	Ready to use; no additive needed
4 Integral Color	Lasting uniform color
5 Moisture Resistant	Repels water; resists wind driven rain
6 Water-based	Safe, non-toxic; cleans up with water
7 Low VOC	Meets South Coast Air Quality Management District Requirements

Stolit® Acrylic Textured Finishes

Surface Preparation cont.

Concrete and masonry surfaces: Surfaces must be clean, dry, and free of 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 and smoothness with appropriate Sto leveling materials. Refer to ASTM D-4258 and ASTM D-4261 for complete details on methods of preparing cementitious substrates for coatings.

StoTherm® Exterior Insulation and Finish Systems (EIFS): Surface must be free of all bond-inhibiting materials. Sto recommends priming cementitious substrates using the appropriate Sto primer prior to

frost, damage, and all bond-inhibiting materials, including dirt, efflorescence, form oil and other foreign application of finish. For Stolit .75 and Stolit Dark Color Finishes, the surface must be primed with the appropriate Sto primer, tinted to the same color as the finish coating.

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.

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

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

Stolit Freeform: 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.

All Other Stolits: 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 trowel in a figure eight motion; stainless steel trowel for Stolit (pebbled texture finishes) and plastic float for Stolit R (rilled texture finishes).

Once applied, the working time is up to 20 minutes depending upon material, ambient temperatures and surface conditions.

Spray: Apply Stolit with a hand-held gravity feed hopper-type sprayer, texture spray pump machine, or other appropriate equipment such as the StoSilo System or Sto's M-8 Spray Pump. Apply an even coat to ensure full coverage of the surface. Spray application is not recommended for Stolit R (rilled texture finishes). **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

Stolit 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 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 Stolit only when surface and ambient temperatures are above 40°F (4°C) and below 100°F (38°C) during application and drying period.
- Use Stolit Dark Color Finishes only when surface and ambient temperatures are above 50°F (10°C) and below 100°F (38°C) during application and drying period. For Exterior Insulation and Finish Systems (EIFS), select colors with a lightness value of 20 or greater. Please consult Sto Tech Hotline No.
- 0893- EC (featuring in EIFS and Architectural Coatings) when considering dark, intense colors and colors requiring organic pigments.
- Stolit should not be used on weather-exposed horizontal, below grade or water immersed surfaces.
- For Exterior Insulation and Finish Systems (EIFS), select colors with a lightness value of 20 or greater.
- 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

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.