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

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

Features

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

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).
80143/82143 Stolit R3.0: 55-75 ft² per pail (5.1-7 m²).
80156 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.
Stolit® Acrylic Textured Finishes

Product Bulletin

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 application of StoTherm® Exterior Insulation and Finish Systems. Refer to Sto Specifications for more information on application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.com.

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Gypsum wallboard surfaces: Wallboard must be taped and fastened spotter 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 (ridged 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 (ridged texture finishes).

IMPORTANT: ALWAYS check color for proper match.

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 Stolit details.
- 0893-EC (featuring in EIFS and Architectural Coatings) when considering dark, intense colors and colors requiring organic pigments.

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 Wear hands through proper 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 mouth to mouth人工 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. The 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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Toll Free: 1-800-221-2397
Fax: 404-346-3119
www.stocorp.com

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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 express or implied, or excepted for specific 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.