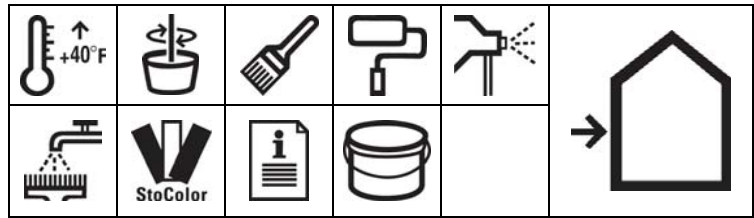


# Stolastic Sand Stolastic Smooth

80211 Stolastic Sand  
80212 Stolastic Smooth



Technical Data				
REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS 80211	TEST RESULTS 80212
<b>Crack Bridging</b>	ASTM C-1305	At -15°F (-26°C)	N/A	Pass No cracking
<b>Tensile Strength</b> psi (MPa)	ASTM D-412		290 (2.00)*	290 (2.00)
<b>Elongation at Break</b> (%)	ASTM D-412		450*	450
<b>Flexibility, Mandrel Bend, % Elongation</b>	ASTM D-522	At 70°F (21°C) At -14°F (-26°C)	>32 (no crack) >32 (no crack)	>32 (no crack) >32 (no crack)
<b>Moisture Resistance</b>	ASTM D-2247	14 day exposure	No Deterioration	No Deterioration
<b>Mold Resistance</b>	ASTM D-3273	90 day exposure	No Mold Growth 85% Relative Humidity	No Mold Growth 85% Relative Humidity
<b>Adhesion to Concrete</b> psi (MPa)	ASTM D-4541		305 (2.10)	345 (2.38)
<b>Water Vapor Permeability</b> perms (ng/Pa-s-m <sup>2</sup> )	ASTM D-1653 Wet-cup method ASTM E-96 Wet-cup method	1 coat 2 coats 1 coat 2 coats	30-40 (1680-2250) 20-30 (1125-1680) 30-40 (1680-2250) 20-30 (1125-1680)	30-50 (1680-2810) 30-50 (1680-2810) 40-50 (2250-2810) 30-40 (1680-2250)
<b>Carbon Dioxide Diffusion Coefficient</b> (m)	EN-1602		496,000*	496,000
<b>Carbon Dioxide Diffusion Resistance</b> (m)	EN-1602		144*	144
<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. VOC less than 50 g/L.			
<b>Percent Solids, by weight</b>	ASTM D-2698		60	60
<b>Percent Solids, by volume</b>	ASTM D-2698		60	60

\* Estimated based on performance of Stolastic Smooth

*Stolastic is an elastomeric, acrylic-based, decorative coating that weatherproofs and bridges hairline cracks. Use it for protecting prepared vertical concrete, stucco, EIFS, masonry, or previously acrylic-coated smooth/textured surfaces. Its smooth or textured finish is sprayed or roller-applied. It is available in a variety of colors, making it an easy way to quickly improve a substrate's appearance.*

### Coverage

125-145 ft<sup>2</sup> per gallon (2.8-3.2 m<sup>2</sup> per liter) per coat, applied at 12-14 mils (0.3 to 0.36 mm), wet.  
590-690 ft<sup>2</sup> (49-58 m<sup>2</sup>) per pail for a single coat, applied at 12-14 mils (0.3 to 0.36 mm), wet.  
295-345 ft<sup>2</sup> (25-29 m<sup>2</sup>) per pail for two coats, applied at 12-14 mils (0.3 to 0.36 mm) per coat, wet.

### Packaging

5 gallon unit (19 L).

### Color

800 Standard Colors or Custom Color Match

### Shelf Life

12 months in original, unopened, properly stored container.

### Storage

Store in dry area, between 50°F (10°C) and 85°F (29°C). Protect from extreme heat [90°F (32°C)], freezing, and direct sunlight.

Features	Benefits
<b>1 Acrylic-based</b>	Excellent adhesion; internal flexibility; weather-resistant; color stability
<b>2 Flexible</b>	Bridges hairline cracks
<b>3 Weatherproof</b>	Repels water; hot/cool temperature stability; protects against ultraviolet light
<b>4 Non-vapor Barrier</b>	Allows substrate to breathe naturally; resists blisters caused by trapped vapor
<b>5 800 colors, 2 Textures</b>	Increases design options; match existing colors easily
<b>6 Easily Sprayable</b>	Increases job-site productivity
<b>7 Water Clean Up</b>	Tools can be reused; no hazardous solvents required; environmentally friendly
<b>8 Low VOC</b>	Safe for workers and the environment

## Stolastic Sand and Smooth

### Surface Preparation

Remove loose and deteriorated material by high pressure (> 3000 psi [20.7 MPa]) water blasting, sandblasting or mechanical wire brushing.

For EIFS use low pressure (< 1000 psi [6.9 MPa]) pressure washing. Make sure

surfaces are sound, clean, dry, and free of all bond-inhibiting materials including mildew, dust, and dirt. Patch, repair, level or fill surfaces as needed with appropriate Sto materials to obtain desired finish appearance.

### Mixing

Use Stolastic at a preconditioned temperature of 70 ± 5°F (21 ± 3°C). Mix undiluted product for 3 minutes using a

slow-speed, drill and a mixing paddle. Mix thoroughly to a uniform, consistency.

### Application

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

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. EIFS: select colors with a lightness value of 20 or greater.

#### Concrete and Stucco substrates:

Apply Sto Hot Prime® in one coat by brush, roller, or spray to a thickness of 5 wet mils.

#### Concrete Masonry substrates:

Apply Sto Primer Smooth in one coat by brush, roller, or spray to a thickness of 6-8 wet mils.

#### Decorative and Protective finish coating (one coat application):

Apply one coat, 12-14 wet mils, Stolastic to primed surface.

#### Weatherproofing (two coat application):

Apply one coat, 12-14 wet mils, Stolastic to primed surface. Allow first coat, Stolastic to dry, and apply a second coat, 12-14 wet mils, Stolastic.

#### Curing/Drying

Stolastic dries within 24 hours under normal [70°F (21°C), 50%RH] conditions. Drying time varies with temperature/humidity and surface conditions.

#### Clean Up

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

### Health And Safety

#### Health Precautions

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

#### Safety Precautions

Use adequate ventilation. Use of safety goggles and chemical-resistant gloves is strongly recommended. Immediately remove contaminated clothing.

#### 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 re-use.

#### Spills

Collect with suitable absorbent materials 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 Material Safety Data Sheet on [www.stocorp.com](http://www.stocorp.com) 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.

*Refer to Sto Specifications for more complete information on proper use and handling of this product.*

### Limitations

- Do not use to bridge cracks greater than 1/32 inch (0.8 mm). For cracks 1/32 inch (0.8 mm) first treat crack with Sto Flexible Crack Filler. Allow to cure prior to coating.
- Protect installed materials from rain, freezing, and continuous high humidity until completely dry.
- Apply when ambient and surface temperatures are 40°F (4°C) and rising.
- Do not apply if the surface temperature is less than 5°F (2.8°C) above the ambient dew point temperature.
- Do not apply in freezing conditions or during precipitation.
- Do not overcoat with solvent-based materials.
- Do not use below grade, on horizontal surfaces, or in areas of ponding water.

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**S155-80211**  
**S155-80212**

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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 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).