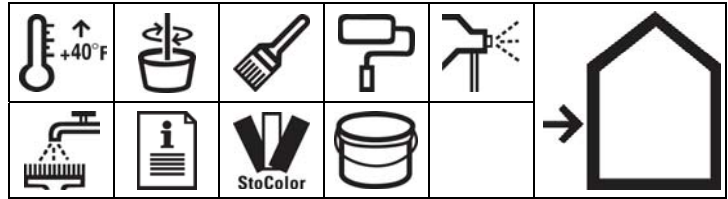


StoSilco® Lastic

80222 StoSilco® Lastic



Technical Data			
REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Crack Bridging	ASTM C-1305	at -15°F (-26°C)	Pass, No Cracking
Tensile Strength psi (MPa)	ASTM D-412		250 (1.72)
Elongation at Break (%)	ASTM D-412		315
Flexibility, Mandrel Bend % Elongation	ASTM D-522	at 70°F (21°C) at -14°F (-26°C)	> 32 (no crack) > 32 (no crack)
Moisture Resistance	ASTM D-2247	14 day exposure	No Deterioration
Mold Resistance	ASTM D-3273	90 day exposure	No Mold Growth
Adhesion to Concrete psi (MPa)	ASTM D-4541		320 (2.20)
Water Vapor Permeability perms (ng/Pa·s·m²)	ASTM D-1653 Wet-cup method ASTM E-96 Wet-cup method	1 coat 2 coats 1 coat 2 coats	40-60 (2250-3375) 40-50 (2250-2810) 50-60 (2810-3375) 40-50 (2250-2810)
Carbon Dioxide Diffusion Resistance Coefficient	EN-1062		491,000
Carbon Dioxide Diffusion Resistance m	EN-1062		142
Resistance to Wind Driven Rain, ounces (g)	ASTM D-6904	Weight Gain	< 3.2 ounces < 90 g
% Solids (by weight)	ASTM D-2698		60
% Solids (by volume*)	ASTM D-2698		60
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.		

Typical values for material cured at 73°F (23°C) and 50% R.H.

StoSilco Lastic® is an elastomeric, silicone-emulsion, decorative coating. It is weatherproof, dirt-resistant, and mildew-resistant; and bridges hairline cracks. Use it for protecting vertical concrete, stucco, EIFS, masonry, or previously acrylic-coated smooth/textured surfaces. Its smooth finish is roller-applied or spray applied in a variety of colors, making it an easy way to quickly improve a substrate's appearance.

Coverage

95-125 ft² per gallon (2.2-2.8 m² per liter) per coat, applied at 14-18 mils (0.36 to 0.46 mm), wet.

445-585 ft² (39-49 m²) per pail for a single coat applied at 14-18 mils (0.36 to 0.46 mm) per coat, wet.

Coverage may vary depending upon application technique and surface condition, including smoothness and porosity.

Packaging

5 gallon pail (19 L).

Color

800 standard Sto colors.

Shelf Life

12 months in original, unopened container.

Storage

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

Features	Benefits
1 Silicone Emulsion	High elongation; resists dirt pick up and mildew growth better than standard acrylic coatings
2 Flexible	Bridges hairline cracks; does not age harden
3 Weatherproof	Repels water; stable in hot and cold temperatures; protects against ultraviolet light
4 High Vapor Permeability	Ideal for recoating painted substrates; allows substrate to breathe naturally; resists blisters caused by trapped water vapor
5 Easily Sprayable	Increases job-site productivity
6 Cleans up with water	Tools can be reused; no hazardous solvents needed; environmentally friendly
7 Low VOC	Safe for workers and the environment

StoSilco® Lastic

Surface Preparation

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

sure surfaces are sound, clean, dry, and free of all bond-inhibiting materials including mildew, dust and dirt.

Mixing

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

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

Application

Apply only to sound and 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.

Allow primer to dry completely before applying finish coating. Select one of the options below, depending on type construction, weather exposure and required level of performance:

Decorative and Protective finish coating (one coat application):

Apply one coat, 14-18 wet mils StoSilco Lastic to primed surface.

Weatherproofing (two coat application):

Apply one coat, 14-18 wet mils, StoSilco Lastic to primed surface. Allow first coat, to dry, and apply a second coat, 14-18 wet mils.

Curing/Drying

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. Dried 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. 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 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 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) and greater, first treat crack with Sto Flexible Crack Filler. Allow to cure prior to coating with StoSilco Lastic.
- Do not apply over silicone sealants.
- 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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**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.