

Sto Clear Coat Sealer

80512 Sto Clear Coat Sealer



Technical Data			
REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Tensile Strength psi (MPa)	ASTM D-412		>325 (2.24)
Elongation at Break (%)	ASTM D-412		>250
Water Vapor Permeability perms (ng/Pa-s-m ²)	ASTM E-96 Wet-Cup Method		3 (172)
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 100 g/L.		

Sto Clear Coat Sealer is an acrylic based exterior/interior topcoat sealer that provides a slight gloss. Use it to protect vertical, above grade, applications of Sto GraniTex™, Sto Decocoat™ and StoCreativ® Granite finishes and to enhance color and fade resistance of StoTherm® EIFS finishes and Sto Coatings.

Coverage

250-320 ft²/gal/coat (6.1-7.8 m²/L/coat) applied at 2-3 mils (wet film thickness). Two coats recommended. Coverages may vary depending on application technique and surface conditions.

Note: Sto GraniTex requires a minimum of one coat of sealer.

Packaging

5 gal. Pail (19 L).

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)], and direct sunlight. Protect from freezing.

Features	Benefits
1 UV Protection and Fade Resistance	Underlying finish will keep its radiant color longer
2 Improved Protection against Staining	Stays clean longer, easier to maintain
3 Improved Abrasion and Mar Resistance	More attractive finish, easier to maintain
4 Acrylic-based	Excellent adhesion; durable abrasion resistant surface
5 Solvent Free	Environmentally friendly; safe for workers
6 Non-vapor Barrier	Allows substrate to breathe
7 One-component Base	Ready-to-use; no components to mix; reduces waste
8 Cleans up with Water	Tools can be reused; no hazardous solvents needed; environmentally friendly
9 Easily Sprayable	Increases job-site productivity
10 Low VOC	Safe for workers and the environment

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Surface Preparation

New concrete surfaces must be at least 28 days old. Remove loose or damaged material by high-pressure (> 3000 psi [20.7 MPa]) water-blasting, sand-blasting or shot-blasting.

Surfaces must be structurally sound and free of all bond-inhibiting materials, including oil, dirt, efflorescence and water.

Mixing

Use material at a preconditioned temperature of 70 ± 5°F (21 ± 3°C). After opening lid of pail, mix with a jiffy-type paddle and slow-speed (400-600 rpm) drill.

Mix for at least one minute to achieve a uniform consistency. Unused material remaining in pail may be sealed and reused within shelf-life time.

Application

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

When mixed according to directions, Sto Clear Coat Sealer can be applied by roller. Two thin coats are highly recommended as opposed to one heavy coat as this may produce a white haze.

Allow sealer to dry to touch between coats, typically one to two hours at 70-75°F (21-24°C), depending upon ambient conditions.

Protect from rain, freezing and continuous high humidity until completely dry.

Curing/Drying

Sto Clear Coat Sealer dries within 4-6 hours under normal [70°F (21°C), 50% RH] conditions. Drying time varies with temperature/ humidity and surface conditions. Drying time increases with low temperatures, wet or humid conditions, which may cause a non-uniform appearance. Avoid installation during cool, damp or wet weather periods.

Clean Up

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

Limitations

- Apply to clean, dry surfaces only when surface and ambient temperatures are above 50°F (10°C) and rising and relative humidity is below 75 % during application and for minimum 24 hours afterwards.
- Do not use on substrates subject to continuous or intermittent water immersion or hydrostatic pressure.
- Do not add liquid or powder additives to the material.
- Do not apply over damp/moist material or concrete as a white film/residue will form and remain.
- Do not apply too heavily as a white film/residue will form and remain.
- Periodic re-sealing with Sto Clear Coat Sealer may be necessary, depending on weather exposure.
- Re-coat with Sto Clear Coat Sealer whenever the clear film has lost substantial gloss.

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 re-use.

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 for further health and safety information. Material Safety Data Sheet 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 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.