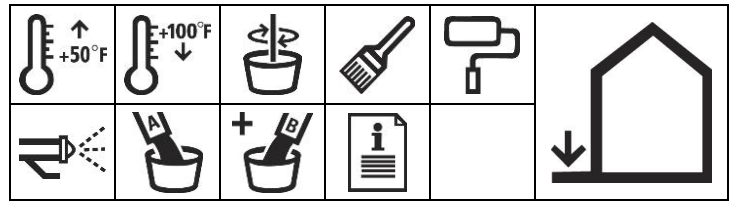


Sto Acrylic Urethane Sealer

80514 Sto Acrylic Urethane Sealer



Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Q-UV A 340 (4,000 hrs)	ASTM D-4587		>90% gloss retention (60°) color change DE <0.5
Xenon Arc (1,000 hrs) quartz borosilicate filters	ASTM G-147-96		>95% gloss retention (60°)
EMMAQUA 290 MJ/M ²	ASTM G-90-98		>95% gloss retention (60°)
Exterior Exposure 45° South	ASTM D-1014		>90 % gloss retention, 3 years
24 Hour Chemical Resistance Exposure	ASTM 1308	DI Water, 10% H ₂ SO ₄ , 10% NaOH, 25% H ₃ PO ₄ , 48 %	No Effect No Effect No Effect No Effect
Impact Resistance	ASTM D-2794		160 F & 160 R
VOC (g/L)	EPA Method 24	Mixed	330

Sto Acrylic Urethane Sealer is a two component acrylic/urethane based topcoat sealer. Use it to protect Sto Decocoat, stamped concrete, and exposed aggregate concrete.

Coverage

200-600 ft²/gal/coat (14.7 m²/L/coat) minimum when applied at 1.5 dry mils (2.5 mils wet film thickness).

Coverages may vary depending on application technique and surface conditions. Two coats recommended.

Features Benefits

1 Acrylic/Urethane Based	Excellent adhesion; durable abrasion resistant surface
2 Non-Vapor Barrier	Allows substrate to breathe
3 Sprayable	Increases job-site productivity

Packaging

1 gallon kit (3.8 L).
Neutral Base (Component A):
3/4 gal. (2.9 L).
Catalyst (Component B):
1qt. (0.95 L).

Surface Preparation

All surfaces must be structurally sound, dry, clean and free of oil, dirt, grease, wax, mildew, loose or flaking paint and other surface contaminants. Remove loose, peeling, flaking or scaling paint and rust by scraping, sanding or wire brush or blasting.

New concrete surfaces must be at least 28 days old. Remove loose or damaged material by high pressure (> 3000 psi [120 MPa]) water-blasting, sand-blasting or shot-blasting.

Prepare surface to an ICRI Surface Profile CSP 1 to CSP 3.

Freshly applied Sto Decocoat must be dry at least 72 hours. Cold/damp weather may require extended drying time before application of topcoat sealer.

Shelf Life

12 months in original, unopened, properly stored container.

Storage

Store in a dry area, between 50°F (10°C) and 75°F (24°C). Protect from direct sunlight and extreme heat [90°F (32°C)]. Protect from freezing. Keep container closed when not in use. This product is flammable. Protect from flame, ignition, and sparks.

Mixing

Wear gloves when mixing or applying this product. Mix component A and component B thoroughly before use.

Add 1 quart component B to 3/4 gallon component A, then mix thoroughly again.

Application

Apply only to sound and clean, dry, properly prepared, frost-free surfaces. Apply only in WELL VENTILATED AREAS. Apply only when air and surface temperatures are above 50°F (10°C) and below 100°F (38°C), and when the surface temperature is at least 5°F (3°C) above the dew point.

Apply with brush, roller, or proper spray equipment to a wet mil thickness of 2.5-5 mils. Two thin coats are recommended in lieu of one heavy coat. Allow to dry between coats, typically 4-6 hours at 77°F (25°C). Protect from rain and freezing until completely dry, typically 8-12 hours at 77°F (25°C).

Curing/Drying

Sto Acrylic Urethane Sealer dries within 12 hours under normal conditions (77°F [25°C] and 50% RH). Low temperatures, high humidity, poor ventilation, and thick films will retard drying.

Clean Up

Clean tools or spills immediately with recommended thinner, carefully observing cautions on coating and thinner labels. Dried coating may be removed by scraping.

Sto Acrylic Urethane Sealer

Limitations

- Apply to clean, dry surfaces only when surface and ambient temperatures are above 50°F (10°C) and below 100°F (38°C) during application and for a minimum of 24 hours afterwards.
- Apply only when surface temperature is at least 5°F (3°C) above the dew point.
- Do not use on substrates subject to 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.
- Apply in two thin coats.
- Allow a minimum of 12 hours of drying before opening up to foot traffic, a minimum of 24-48 hours for light vehicular and wheel traffic.
- Re-coat whenever the clear film has lost substantial gloss.
- Product will negatively impact slip resistance.

Health And Safety

WARNING FLAMMABLE LIQUID AND VAPOR CONTAINS AROMATIC 100, XYLENE, MEK, EB ACETATE AND N-BUTYLACETATE. WILL CONTAIN ALIPHATIC POLYISOCYANATE UPON MIXING COMPONENT A WITH COMPONENT B. DO NOT USE NEAR FIRE OR FLAMES. VAPORS MAY CAUSE FIRE OR IGNITE EXPLOSIVELY. HARMFUL IF INHALED, MAY AFFECT THE BRAIN OR NERVOUS SYSTEM, CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES NOSE, THROAT, EYE AND SKIN IRRITATION. MAY CAUSE LUNG IRRITATION AND ALLERGIC RESPIRATORY REACTION. EFFECTS MAY BE PERMANENT. EXCESSIVE SKIN ABSORPTION MAY CAUSE RED BLOOD CELL AND KIDNEY DAMAGE.

Carefully follow label precautions and procedures when handling, mixing, applying and until coating is dry and area is free of solvent and isocyanate vapors. Do not breathe vapors or spray mist. Do not get in eyes, on skin or clothing. Effects may be permanent. See Material Safety Data Sheet for specific product analysis, the Threshold Limit Value (TLV), and detailed handling and application instructions. Individuals with chronic respiratory problems or prior respiratory reaction to isocyanates must not be exposed to vapors, spray mist or allowed in area until coating has dried and area is free of all vapors.

Catalyst contains Isocyanates and solvents. Enamel base contains solvents poly until mixed. After adding catalyst, the mixture contains isocyanate and solvents. When mixing or applying, wear a NIOSH approved, positive pressure, air supplied respirator that keeps solvent and isocyanate concentration of vapors below the Threshold Value Limits (TLV). A chemical cartridge respirator equipped with a particulate filter (NIOSH approved) may be used. See MSDS for TLV.

The contents are flammable. Keep product and its vapors and spray mist away from heat, sparks and open flame, including pilot lights, arcing switches, cutting torches and tools that could cause sparks and all sources of ignition. Do not smoke, vapors may cause flash fires. Use gloves, wear protective goggles and keep skin covered while mixing, handling and applying. Unprotected skin area should be covered with a protective cream. Spray mist and residue of Isocyanates cannot be removed with soap and water. Remove protective cream with water and wash cloth. Discard cloth.

Keep container closed when not in use. Do not transfer contents to other storage containers. Ground containers when filling or emptying and avoid free fall of contents by pouring down the side of container. In case of spillage, absorb and then dispose in accordance with applicable local regulations.

First Aid

A person affected by inhalation of vapor or spray mist should be removed to fresh air. If breathing difficulty persists or occurs later, call a physician and have label information ready. In case of eye contact, flush immediately with plenty of fresh water for 15 minutes, call a physician and have label information ready. In case of skin contact, wash thoroughly with soap and water, and if irritation persists, call a physician. If material is swallowed drink a large volume of water. DO NOT induce vomiting. CALL A PHYSICIAN IMMEDIATELY. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Health And Safety

Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage.
WARNING: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. USE ONLY WITH ADEQUATE VENTILATION. FOR INDUSTRIAL USE ONLY. KEEP OUT OF THE REACH OF CHILDREN.
 Refer to the 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.*

Sto Corp.
 3800 Camp Creek Parkway
 Building 1400, Suite 120
 Atlanta, GA 30331

Tel: 404-346-3666
 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 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.