

PRODUCT BULLETIN

Sto Clear Coat Sealer

Product Number: 80512-Gloss, 80513-Matte

PRODUCT DESCRIPTION

Sto Clear Coat Sealer is an acrylic-based sealer for use on vertical above-grade wall surfaces. Use it to enhance color and fade resistance of Sto coatings and textured finishes and for extended protection of Sto clear binder finishes, including Sto Decocoat®, Sto Granitex®, Sto Creativ® Granite, and Sto Creativ® Lux.

FEATURES	BENEFITS
UV Protection	Enhances resistance to fading of coatings and finishes
Acrylic-Based	Excellent adhesion; weather resistant
Vapor Permeable	Allows substrate to breathe naturally; resists blisters caused by trapped vapor
Spray Application	Increases job site productivity
Water-Based	Safe, non-toxic, cleans up with water
Low VOC	Safe for workers and the environment

COVERAGE

250 - 320 ft² per gallon per coat (6.1 – 7.8 m²/L/coat)

Coverage will vary depending on substrate condition and texture, application technique, waste factor, final film thickness, and other variables that may exist.

Packaging: 5 gallon pail (19L)

Color: White

Shelf Life: 18 months, if properly stored and sealed.

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



SURFACE PREPARATION

All surfaces must be structurally sound, clean, dry, and free of frost and surface contamination such as dust, dirt, salts, grease, oils, efflorescence, mold, algae, mildew, or any other condition that may affect adhesion. Use appropriate repair methods for the substrate to repair pitting, spalls, cracks, peeling, blistering, delamination, weak surface conditions such as laitance, water damage, or other defects that may exist. If pressure washing, follow necessary safety precautions and adjust pressure to avoid damage to the underlying substrate. For mold, algae, and mildew removal, treat surfaces with a commercial mildew removal and/or wash product, carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water and allow a minimum of 24 hours to dry thoroughly before application of coating.

MIXING

Use at a preconditioned temperature of 70 ± 5°F (21 ± 3°C). Mix undiluted product for at least 1 minute using a slow-speed drill and a mixing paddle. Mix thoroughly to a uniform consistency. **IMPORTANT:** some settling of ingredients in 80513 Sto Clear Coat Sealer Matte can occur. Use of unmixed material results in a gloss finish. Always mix material before use.

HEALTH & SAFETY

WARNING: Causes eye and skin irritation.

Precautionary Statement: Wash hands thoroughly after 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 artificial 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. Store locked up.

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 (SDS) on www.stocorp.com for further health and safety information.

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APPLICATION

Vertical Wall Surfaces

Apply only to sound and clean, dry, properly prepared, frost-free surfaces. Do not apply over damp surfaces or during rain, hail, or snow events or if rain, hail, or snow is imminent. Do not apply during cool or humid weather conditions. Minimum application temperature is 50°F (10°C) and rising. Maximum relative humidity application condition is 70% and falling. Apply with brush, roller, or proper spray equipment in a continuous coat to a minimum thickness of 2-3 wet mils per coat, always working from a wet edge or architectural break to eliminate cold joints. Apply in two thin coats. Allow sufficient time for drying between coats. **IMPORTANT:** do not apply in thick sections, as this may produce a white haze. Application in cool, damp or wet weather may result in non-uniform appearance.

Curing/Drying

Product dries within 4-6 hours under normal drying conditions [70°F (21°C), 50% RH]. Drying time varies with temperature/humidity and surface conditions. Protect installed product from rain, freezing, condensation, and continuous high humidity until completely dry.

Clean Up

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

LIMITED WARRANTY

This product is subject to a written limited warranty which can be obtained free of charge from Sto Corp.

LIMITATIONS

- Apply when ambient and surface temperatures are 50°F (10°C) and rising, and below 90°F (32°C), and relative humidity does not exceed 70%, during application and for minimum 24 hours afterwards.
- Do not apply if the surface temperature is less than 5°F (2.8°C) above the ambient dew point temperature.
- Do not use below grade, or in areas subjected to hydrostatic pressure, water immersion, ponding, or puddling.
- Do not apply to damp or moist substrates. Do not apply in thick sections. For best results apply in two thin coats.
- Do not overcoat with solvent-based materials.
- Periodic re-sealing of Sto Clear Coat Sealer may be necessary, depending on weather exposure. Recoat whenever the clear film has lost gloss or become dull, or if underlying coating or finish has shown signs of excess wear-such as chalking or other deterioration.
- Efflorescence of Portland cement-based substrates such as concrete, stucco, and concrete masonry sometimes causes staining or discoloration on the surface of applied coatings. Efflorescence is neither caused nor prevented by the Sto coating.
- Not for use on concrete, masonry, wood or metal surfaces. For use only as a sealer on Sto finishes or coatings.

TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULT*
Water Vapor Permeability Perms (ng/Pa·s·m ²)	ASTM D1653 Wet-cup Method	2 coats Sto Clear Coat Sealer over 2 coats StoColor Acryl Plus	8.1 (463)
VOC	Calculation	Report Results	Gloss-130g/L, Matte-118g/L
* Results are based on lab testing under controlled conditions. Results can vary between labs or from field tests. **D1653 results are estimates based on E96 wet-cup method.			

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