

Sto Decocoat®

80119 Sto Decocoat



Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Surface Burning	ASTM E-84	< 25 Flame spread	0
		< 450 Smoke developed	5
Adhesion (psi)	ASTM C-297	28 days	> 15 to drywall
	Modified		> 125 to concrete
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.		

Sto Decocoat is a ready-mixed, decorative and protective wall and floor coating composed of fine variegated aggregate encased in a pure acrylic binder. Sto Decocoat is used as an interior or exterior coating over prepared concrete, masonry, plaster or drywall surfaces, or as a finish in StoTherm® ci Systems.

Features Benefits

1 Fine aggregate	Durable; resists abrasion
2 Vapor permeable	Allows substrate to breathe naturally
3 Ready-mixed	Ready to use; no additive needed
4 Pure acrylic	Excellent adhesion
5 Water-based	Safe, non-toxic; cleans up with water
6 VOC compliant	Meets South Coast Air Quality Management District (SCAQMD) requirements

Coverage

100-140 ft² (9-12.6 m²) per pail. Coverage may vary depending on application technique and surface conditions.

Packaging

5 gallon pail (19 L).

Shelf Life

12 months, if properly stored and sealed.

Storage

Protect from extreme heat [90°F (32°C)], freezing and direct sunlight.

Surface Preparation

Concrete and masonry surfaces: Surfaces must be clean, dry, free of frost, damage, and all bond-inhibiting materials, including dirt, efflorescence, form oil and other foreign matter. Loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired. Avoid application over irregular surfaces. Resurface, patch or level surfaces to required tolerance and smoothness with appropriate Sto leveling materials. Fill surface voids. Refer to ASTM D-4258 and ASTM D-4261 for complete details on methods of preparing cementitious substrates for coatings.

StoTherm® ci System:

Surface must be clean, sound, and free of all bond-inhibiting materials, including dirt and efflorescence.

Gypsum wallboard surfaces: Wallboard must be taped and fasteners spotted with joint compound. Refer to ASTM C-840 and gypsum wallboard manufacturer's literature. Surface must be free of dust, dirt and other bond-inhibiting materials. Surface must be primed with appropriate tinted Sto Primer.

Mixing

Mix with a clean, rust-free electric drill and paddle. A small amount of clean water may be added to aid workability.

Limit addition of water to amount needed to achieve the finish texture.

Sto Decocoat®

Application

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

Surface must be primed with the appropriate Sto primer, tinted to match the finish coating. Apply the appropriate tinted Sto primer uniformly by spray, roller, or brush to the prepared dry surface. Allow primer to dry. Drying should occur in approximately 2-4 hours, depending on ambient and surface conditions.

Substrates and Recommended Primers

Substrate	Min. Age	Primer	WFT (DFT)
Concrete	7d	StoPrime Hot	5 (2.1)
Stucco	7d	StoPrime Hot	5 (2.1)
CMU	28d	StoPrime Hot	14-16
EIFS	N/A	StoPrime Sand	4-6 (1.6-2.3)
Painted	N/A	Depends on paint & its condition. Test to determine best primer	

Note: Selection of proper primer can vary depending actual substrate conditions such as pH, absorption, texture, and desired aesthetic look. Evaluate surface condition and adhesion to surface.

For trowel application: Apply Sto Decocoat with a clean stainless steel trowel to a thickness approximately 1-1/2 times the aggregate size. Then work the trowel in one direction to make the surface smooth. Press down firmly with the trowel held nearly flat, taking care not to scrape material down to the actual aggregate size. Once applied, the working time is up to 15 minutes depending upon material, ambient temperatures and surface conditions.

For spray application: Spray in a circular motion with proper spray equipment to achieve a smooth, uniform coating. Adjust spray pressure to achieve desired texture.

IMPORTANT: ALWAYS check color for proper match. If color does not match, STOP—call your Sto representative. Always prime substrates with

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.

Curing/Drying

Sto Decocoat requires minimum 48 hours and moderate, dry weather for complete drying. Drying time increases significantly with low temperatures, wet or humid weather, which may cause a non-uniform appearance. Avoid installation during cool, damp weather conditions. Protect installed product from rain, freezing, and continuous high humidity until completely dry. Apply in a trial area first to be sure of desired results.

Interior and Exterior Floor Surfaces: Protect with two coats of Sto Acrylic Urethane Sealer. Apply only after Sto Decocoat is firm enough for foot traffic. Refer to the Sto Acrylic Urethane Sealer Product Bulletin.

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.

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.

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.

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

- Use Sto Decocoat only when surface and ambient temperatures are above 50°F (10°C) during application and drying period. Damp, humid weather will retard drying time.
- Do not use solid colors. Use at least 25% white aggregate when creating custom colors
- Do not use Sto Decocoat on surfaces subject to continuous or intermittent water immersion or hydrostatic pressure.
- Do not use in areas exposed to vehicular traffic, heavy pedestrian traffic, food waste, oil, grease or harsh chemicals.
- Minor color variations may occur from sample to sample, sample to batch, and batch to batch due to variations of natural aggregates and other raw materials. Application technique and product thickness can also impact the final color appearance.
- For sealed areas, periodic sealing or re-sealing is necessary to maintain integrity of finished exterior wall and exterior/interior floor surfaces.
- Seal or re-seal whenever the clear film has lost substantial gloss.
- For horizontal application, spray application technique must be used to provide skid and slip resistance
- Sto Decocoat contains naturally occurring trace particles. They are not detrimental to performance; however, they may be visible with close inspection of the finished surface. Always install a large mock-up (minimum 100 ft² [9.3m²]) for final inspection as a basis for acceptance of the finished work.

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.