



Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Adhesion to Concrete psi (Mpa)	ASTM D-4541	28 days	300 (2.07)
Water Vapor Permeability perms (ng/Pa-s-m ²)	ASTM E-96	28 days	21 (1200)
Carbon Dioxide Diffusion (Resistance Number, m)		S _D **	140
Mold Resistance	ASTM D-3273	28 days > 85% humidity	No Mold Growth
Solids Content by Volume (%)			53*
Moisture Resistance	ASTM D-2247	14 days	No Deterioration
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.		
Application Thickness Wet mils (mm)			8 - 10 (0.20 - 0.25)

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

Note: To convert psi to megapascal (Mpa) multiply by 0.0069.

*Percent Solids by volume is approximated from change in thickness from wet application to measured dry film.

**S_D-Diffusion Resistance (meters)

An acrylic-based textured coating used over prepared vertical or horizontal concrete surfaces, stucco, EIFS, tilt-up, masonry or previously acrylic surfaces exposed to pedestrian traffic, such as balconies, decks, and walkways. Its texture provides the utility for use as either a skid resistant deck coating or an attractive textured finish coating for any vertical surface.

Volume Yield
+/- 4.7 gal. (18L).

Coverage
75-100 ft² per gal, depending on substrate's smoothness (4.6 - 6.5 m² per 3.8 L).

Packaging
5 gallon (19 L) pail.

Shelf Life
12 months in original, unopened, properly stored container.

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

Features	Benefits
1 Acrylic-based	Ensures adhesion to substrate; provides internal flexibility and good color retention
2 Pollution-resistant	Reduces carbonation of concrete
3 Weatherproofing	Repels water; protects embedded reinforcing steel
4 Non-vapor barrier	Resists blisters caused by trapped water vapor; allows substrate to breathe naturally
5 Textured	Skid-resistant; abrasion-resistant for longer life
6 Variety of colors	Decorative; enables color matching
7 Roller or spray applied	Variety of textures may be achieved
8 Water clean up	Tools can be re-used; no hazardous solvents needed; environmentally friendly
9 Low VOC	Safe for workers and the environment

657 StoCoat™ Acryl Medium

Surface Preparation

Remove loose deteriorated material by high pressure (> 3000 psi [20.7 MPa]) water-blasting, sand-blasting 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 StoCoat Acryl Medium at a preconditioned temperature of 70 ± 5°F (21 ± 3°C). Mix undiluted StoCoat Acryl Medium for 3 minutes using a

If Sto Watertight Coat is used as a waterproofing treatment, allow it to cure fully before installing to StoCoat Acryl Medium.

slow speed, drill and a mixing paddle. Mix thoroughly to a uniform, lump-free consistency.

Application

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

Apply the first coat by spray or roller as a primer coat. Avoid applying excess and at a thickness not greater than 22 wet mils per coat. Spray applications should be backrolled. Allow to dry until tack free, approximately 1-4 hours depending upon ambient conditions, before applying second coat.

Apply the second/finish coat by spray or roller at 16-22 wet mils. Avoid applying in excess. Spray applications may be rolled or textured (trowel, knockdown, stipple, etc.) as desired for finished effect. Allow to dry a minimum of 4 hours before exposing to pedestrian traffic.

IMPORTANT: ALWAYS check color for proper match. If color does not match, STO-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 number 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.

Curing/Drying

StoCoat Acryl Medium dries within 24 hours under normal drying conditions [70°F (21°C), 50% RH]. 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.

Limitations

- Apply only when the surface and ambient temperatures are 45°F (7°C) and rising during application and for 24 hours afterwards.
- Do not use on surfaces subject to continuous or intermittent water immersion or hydrostatic pressure.

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 materials 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 REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Material Safety Data Sheet 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., 3800 Camp Creek Parkway, Building 1400, Suite 120, Atlanta, GA 30331; Tel: 404-346-3666; Fax: 404-346-3119.

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 non-performance 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.

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