

Sto AAC Finish

406, 407, 408 & 409

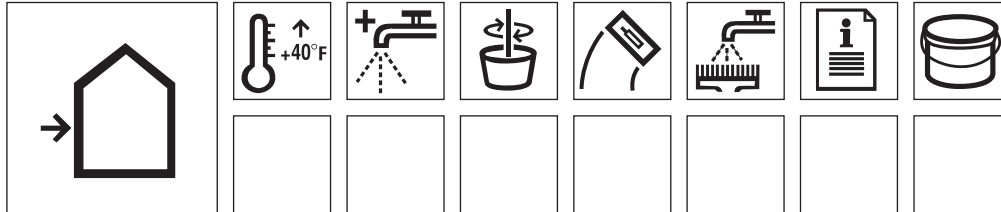
Division 9

406 Sto AAC Finish Fine

407 Sto AAC Finish Medium

408 Sto AAC Finish Swirl

409 Sto AAC Finish Freeform



Technical Data

TEST	METHOD	CRITERIA	RESULTS
Flexibility	ASTM D-522	1/8" (3 mm) mandrel bend @ 70°F, 40°F (21°C, 4°C)	Pass
Water Absorption	ASTM-D580	Measure percentage	9.30-9.93 %
Adhesion (psi)	ASTM C-297 Modified	28 days	Exceeds strength of AAC
Wash Off Resistance		No wash off @ 24 hours) [40°F (4°C)]	Pass
Drying Time @ 40°F (4°C)		Hours	6 Hours
Drying Time @ 70°F (21°F)		Hours	4 Hours
Freeze/Thaw Resistance	EIMA 101.01	25 cycles	Pass - no deleterious effects
Water Vapor Permeability (U.S. Perms)	ASTM E96 Method B	Measure	> 15
VOC (g/L)	Calculated	406 407 408 409	22.6 (35.0*) 21.6 (32.7*) 19.3 (28.0*) 22.2 (34.4*)

*Less water and exempt solvents

Sto AAC finish is a ready-mixed, flexible textured wall finish used as a decorative and protective wall finish over prepared vertical, above grade, exterior AAC (Autoclaved, Aerated Concrete) substrates.

Volume Yield

+/- 4.7 gal.

Coverage

Sto AAC *Fine*: 130-150 ft² (12.1-13.9 m²) per pail
 Sto AAC *Medium*: 105-125 ft² (9.7-11.6 m²) per pail
 Sto AAC *Swirl*: 110-130 ft² (10.2-12.1 m²) per pail
 Sto AAC *Freeform*: 65-130 ft² (6.0-12.1 m²) per pail

Coverages may vary depending on application technique and surface conditions.

Packaging

5 gal. 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.

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Features	Benefits
1 Flexible	Bridges hairline cracks
2 Acrylic-based	Excellent adhesion; weather-resistant
3 Ready-mixed	Ready to use; no additives needed
4 Water-based	Safe, non-toxic; cleans up with water

Surface Preparation

Surfaces must be free of all bond-inhibiting materials, including dirt, efflorescence, and other foreign matter. Prepare surfaces defects-breaks, chips, fractured edges-with AAC manufacturers approved repair mortar. Rasp joints and other areas where AAC surface is out of plane to a smooth in-plane surface. Apply Sto AAC Base Coat to the prepared surface to a rough thickness of 1/8 inches (3 mm). Work horizontally or vertically in strips of 40 inches (1016 mm), and immediately embed Sto AAC Mesh into the wet base coat by troweling from the center to the edge of the mesh. Overlap the AAC mesh not less than 2-1/2 inches (64 mm) at

mesh seams. Feather seams and edges. Double wrap all inside and outside corners with minimum 2-1/2 inches (64 mm) overlap in each direction. Avoid wrinkles in the mesh. The mesh must be fully embedded so that no mesh color shows through the base coat when it is dry. Re-skim with additional base coat if mesh color is visible or if additional thickness is needed to make the wall straight and plumb. The maximum dry thickness of each layer of base coat is 1/16 inch (1.6 mm). Apply Sto Primer evenly with brush, roller or proper spray equipment over the clean, dry surface and allow to dry thoroughly before applying finish.

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.

Application

Apply only to sound, clean, dry, properly prepared, frost-free surfaces. Sto recommends priming using the appropriate Sto Primer prior to application of finish.

Trowel: Apply Sto AAC Finish with a clean stainless steel trowel to a rough thickness slightly more than the largest aggregate size. Use the trowel to scrape the material down to a uniform thickness no greater than the largest aggregate size. Achieve final texture by floating in a figure eight motion with a plastic float. For AAC Freeform application thickness varies depending on the pattern or texture desired. Apply to a minimum 1/16 inch (1.6 mm), maximum 1/8 inch (3.2 mm) thickness. Texturing may be achieved by trowel, special roller, or putty knife. Apply uniformly to avoid color discrepancies. Once applied, the working time is up to 15 minutes depending upon material, ambient temperatures and surface conditions.

Spray: Apply the Sto AAC Finish with a hand-held gravity-feed hopper type sprayer, texture spray pump machine, or other appropriate equipment such as the StoSilo system or Sto's M-8 spray pump. Apply an even coat to ensure full coverage of the surface. (Spray application is not recommended for Sto AAC Swirl).

IMPORTANT: ALWAYS check color for proper

match. If color does not match, STOP-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 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. Protect installed product from rain, freezing, and continuous high humidity until completely dry.

Curing/Drying

Sto AAC Finish dries within 24 hours under normal [70°F (21°C), 50% RH] conditions. 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

Use Sto AAC Finish only when surface and ambient temperatures are above 40°F (4°C) during application and drying period. Sto AAC Finish should not be used on horizontal, below

grade or water immersed surfaces.

Sto AAC Finish is not recommended over interior wall surfaces.

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 reuse.

Spills

Collect with suitable absorbent material such as cotton rags.

Disposal

Dispose of in accordance with local, state or federal regulations.

Warning

KEEP CONTAINERS 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.

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 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.

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