



Sto AAC Base Coat SC is a one-component, polymer-modified, cement base coat for AAC (Autoclaved Aerated Concrete) substrates.

## Technical Data

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
<b>Surface Burning</b>	ASTM E-84	< 25 Flame Spread < 450 Smoke Developed	0 5
<b>Adhesion (psi)</b>	ASTM C-297 Modified	28 days	Exceeds strength of AAC

\*Less water and exempt solvents.

### Coverage

75-115 ft<sup>2</sup> (7-10.7 m<sup>2</sup>) per bag.

Coverages may vary depending on application technique and surface conditions.

### Packaging

50 lb. bag (23 kg)

### Shelf Life

12 months, if properly stored and protected from moisture.

### Storage

Store off the ground in a dry area. Protect from extreme heat [90°F (32°C)], moisture and direct sunlight.

Features	Benefits
<b>1 One-component</b>	Ready to use; easily mixed with water on job site
<b>2 Polymer-modified</b>	Excellent adhesion; increases durability and freeze/thaw resistance
<b>3 Creamy smooth consistency</b>	Trowels on easily; increases productivity
<b>4 Vapor permeable</b>	Allows substrate to breathe naturally; resists blisters caused by trapped vapor
<b>5 Factory blended Portland cement</b>	Assures performance mix ratio
<b>6 Low cement ratio</b>	Less alkalinity, less free lime, less efflorescence
<b>7 Bagged powder product</b>	Less solid waste than pails; freezing protection not required prior to use

# 400 Sto AAC Base Coat SC

## Surface Preparation

**AAC surfaces:** Surfaces must be clean, dry, and 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 waterblasting, sandblasting or mechanical wire brushing

and repaired. Avoid application over irregular surfaces. Repair surface defects - breaks, chips, fractured edges—with the appropriate AAC Repair Mortar. Rasp joints and other areas where the AAC surface is out of plane, to a smooth in-plane surface.

## Mixing

Use 5-6.5 quarts (4.7-6.2 L) of water per 50 lb. bag (23 kg). Mix automatically using StoSilo, Sto's Continuous Mixer, or mix manually by adding one 50 lbs. (23 kg) bag of Sto AAC Base Coat SC to 5-6.5 quarts (4.7-6.2 L) of clean, potable water in a clean mixing pail. Mix with a clean, rust-free

electric drill and paddle. Allow to set approximately five minutes, adjust mix if necessary by adding up to 12 fl.oz. (0.4 L) of water per bag, and remix to a uniform consistency. Avoid retempering after mixing of product. Do not exceed maximum amount of water in mix ratio.

## Application

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

Apply with spray equipment such as Sto's M-8 Spray Pump or apply manually with a stainless steel trowel to an approximate thickness of 1/8" (3 mm). Work horizontally or vertically in strips of 40" (1 m) and immediately embed Sto AAC Mesh in the wet Sto AAC Base Coat SC by troweling from the center to the edges of the mesh. Avoid wrinkles in the mesh and smooth the base coat to eliminate trowel marks. Reapply additional base coat if mesh color is visible or if additional thickness is needed to make the wall surface straight and plumb.

Protect from rain and freezing until completely dry.

### Curing/Drying

Dries within 24 hours under normal conditions [70°F (21°C), 50% RH] drying conditions. Allow additional drying time during cold and/or humid weather before application of primer and finish to hardened Sto AAC Base Coat SC.

Sto recommends priming using the appropriate Sto Primer prior to application of finish.

### Clean Up

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

## Limitations

- Use Sto AAC Base Coat SC only when surface and ambient temperatures are above 40°F (4°C) during application and drying period. Prevent rapid loss of moisture from exposure to direct sun, wind and high temperatures. Sto AAC Base Coat SC should not be used on weather exposed horizontal or below grade surfaces, or where immersion in water may occur.
- Maximum dry thickness when applied in one pass is 1/16" (1.6 mm).
- Sto AAC Base Coat SC should not be used as a finish coating.

## Health And Safety

### Health Precautions

Contains Portland cement and crystalline-free silica. Avoid breathing dust.

### Safety Precautions

Use adequate ventilation. Use of a NIOSH/MSA-approved dust respirator, safety goggles and protective gloves is 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 in an appropriate container. Uncured material may be removed with water.

### Disposal

Dispose in accordance with local, state and 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 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

Refer to Sto specifications for more complete information on proper use and handling of this product.

#### 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](http://www.stocorp.com).

### 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](http://www.stocorp.com)



S155-400A 12/07 VEN 5609

**sto**<sup>®</sup>