



Sto AAC Base Coat TC

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Sto AAC Base Coat TC is an acrylic-based material used as a base coat over AAC (Autoclaved Aerated Concrete) substrates. It is a two-component product to be combined with Portland cement.

Technical Data

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

Features & Benefits

Creamy smooth consistency

Trowels on easily; increases job site productivity

Vapor permeable

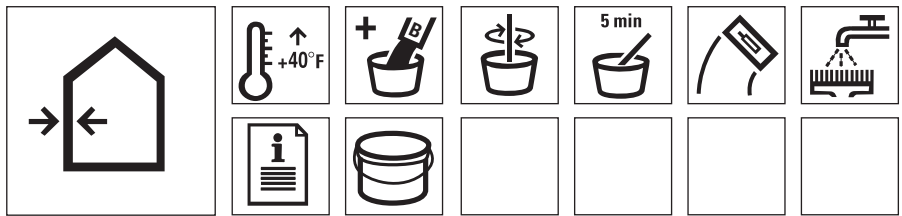
Allows substrate to breathe naturally; resists blisters caused by trapped vapor

Polymer-modified

Excellent adhesion; increases durability and freeze/thaw resistance

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Coverage

As a base coat:

165-210 ft² (15.3-19.5 m²) per pail.

As a skim coat:

180-260 ft² (16.7-24.2 m²) per pail.

Coverages may vary depending on application technique and surface conditions.

Packaging

5 gal. pail (19L)

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 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

Mix equal parts of Sto AAC Base Coat TC to Type 1 Portland cement by volume. Mix with a clean, rust-free electric drill and paddle. Allow to set approximately five minutes, adjust mix if necessary by adding up to 8 fl. oz. (.24 L) of water, and remix to a uniform consistency. Avoid retempering after mixing of product.

Application

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

As a base coat: 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 TC 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.

As a skim coat: Apply in one application to a maximum thickness of 1/16" (1.6 mm) to the prepared surface and smooth the surface.

Protect from rain and freezing until completely dry.

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

Curing/Drying

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

Clean Up

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

Limitations

Use Sto AAC Base Coat TC only when surface and ambient temperatures are above 40° F (4° C) and below 100° F (38° C) during application and drying period. Prevent rapid loss of moisture from exposure to direct sun, wind, and high temperature. Sto AAC Base Coat TC 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 inch (1.6 mm).

Sto AAC Base Coat TC should not be used as a finish coating.

Health & Safety

Health Precautions

Product is water-based. As with any chemical construction product, exercise care when handling.

Safety Precautions

Use adequate ventilation. Use of a NIOSH/MSA-approved 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 with suitable absorbent material such as cotton rags.

Disposal

Dispose 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.

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

Sto Corp.

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100% ACRYLIC POLYMERS

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