

# Sto Bonding Agent and Admixture

80245 Sto Bonding Agent and Admixture



## Technical Data

REPORT	TEST METHOD	TEST RESULT
<b>Tensile Bond Strength</b> (psi)	ASTM C 1042	1320 (Type I bonding agent per ASTM C 1059)
<b>VOC</b> (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.	

Typical values for material cured at 73°F and 50% R.H.  
 Note: To convert to mega Pascal (MPa) multiply by 0.0069

Features	Benefits
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<b>1 Bonding Agent</b>	Improves adhesion
<b>2 Admixture</b>	Increases durability, improves freeze-thaw resistance
<b>3 Vapor Permeable</b>	Stable in wet environments, does not lose strength
<b>4 Water-based</b>	Cleans up with water, environmentally friendly
<b>5 VOC Compliant</b>	Meets South Coast Air Quality Management District (SCAQMD) requirements

*Sto Bonding Agent and Admixture is an acrylic latex for bonding StoPowerwall® Stucco to properly prepared concrete and concrete masonry. It can also be used as an admixture in StoPowerwall® Stucco to increase durability.*

**Coverage**  
 Bonding Agent: 200-300 ft² per gallon (19-28 m² per 3.8L) depending on substrate porosity.

*Coverages may vary depending on application technique and surface conditions.*

**Use Ratio**  
 Bonding agent: Use full strength.  
 Admixture with StoPowerwall Stucco: dilute 1 part by volume admixture with 3 parts by volume water.

**Packaging**  
 One gallon jug (3.8 L):  
 4 jugs per case.  
 5 gallon pail (19 L).

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

**Storage**  
 Protect from sun, extreme heat [90°F (32°C)] and freezing.

## Sto Bonding Agent and Admixture

### Surface Preparation

Do not use bonding agent without proper surface preparation. Substrates must be absorbent, slightly scarified and free of all bond-inhibiting materials, including dirt, efflorescence, form oil and other foreign matter. Loose, weak or damaged substrates must be removed and repaired. Refer to ASTM C 926 for complete details on

preparation and required condition of surfaces to receive portland cement stucco and recommended construction practices when installing stucco. Verify bond of StoPowerwall Stucco to properly prepared concrete or concrete masonry as specified by design professional, no earlier than 28 days.

### Mixing

**Bonding Agent:** Use full strength at a preconditioned temperature of 70±5°F (21±3°C). Shake sealed container to a homogeneous consistency before using.

sealed container to a homogeneous consistency before using. Use only with StoPowerwall Stucco: Mix 1 part of Sto Bonding Agent and Admixture with 3 parts clean water by volume. Use diluted Sto Bonding Agent in place of stucco mix water.

**Admixture:** Use at a preconditioned temperature of 70±5°F (21±3°C). Shake

### Application

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

during which bonding agent remains tacky will vary depending on substrate conditions and weather conditions such as temperature, humidity, and wind.

**Bonding Agent:** Apply evenly using a brush, roller or proper spray equipment, allowing material to penetrate the surface. Avoid applying in excess, causing the product to run down the wall or puddle. Extremely porous substrates may require a second coat. Apply StoPowerwall Stucco while bonding agent is still tacky. Time

**Admixture:** Refer to StoPowerwall Stucco specifications for mixing, application, and handling.

### Limitations

- Apply only when surface and ambient temperatures are above 45°F (7°C) and rising, and below 85°F (29°C).
- Do not apply to frozen surfaces.
- Some cracking and efflorescence are inherent in Portland cement plasters. These are not product defects.
- Do not apply to surfaces that have not been properly prepared.
- Always verify bond to the prepared substrate, as specified by the design professional, at minimum 28 day age of stucco. Where the substrate surface is too smooth, dense, or non-absorbent for stucco adhesion, install appropriate metal lath plaster base as specified by the design professional.

### Health And Safety

#### 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.

Store locked up.

#### 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](http://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.*

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