



Sto Dispersion Adhesive

829

Division 7

Sto Dispersion Adhesive is a ready-mixed acrylic-based adhesive. Sto Dispersion Adhesive is used to attach Sto Insulation Board to prepared concrete, masonry or sheathing substrates in Sto insulated Wall Claddings, including Sto EIFS NEXt™.

Features & Benefits

Ready-mixed

Ready to use; no cement added at job site

Flexible

Bridges normal movement in wood sheathing

100% Acrylic polymers

Excellent adhesion; not brittle; retains flexibility

Water-based

Safe, non-toxic; cleans up with water

Technical Data

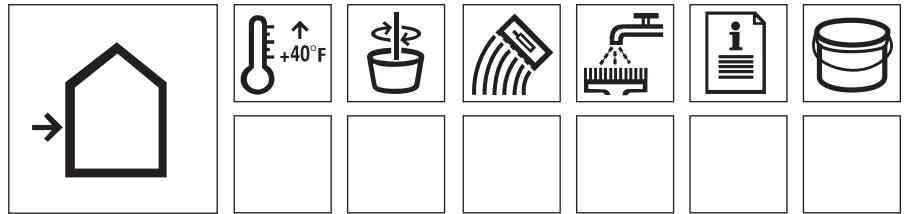
TEST	METHOD	CRITERIA	RESULTS
Adhesion (psi)	ASTM C-297	28 days	> 10 - Gypsum Sheathing* > 11 - G-P Dens-Glass® Gold** * > 25 - 3/8" plywood & OSB*
Freeze/Thaw Resistance	EIMA 101.01	No deterioration @ 60 cycles	Pass
Surface Burning	ASTM E-84	< 25 Flame Spread < 450 Smoke Developed	5 10

*Failure of substrate

**Dens-Glass® Gold is a registered trademark of G-P Gypsum Corp.

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Coverage

350-385 ft² (32-36 m²) per pail, applied using a U-notched trowel with notches 3/16" wide x 3/8" high (5 mm x 9.5 mm), and notches spaced approximately 1-7/8" (47 mm) apart on center. Coverage 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. After opening, Sto Dispersion Adhesive will keep for several weeks if properly stored and resealed.

Surface Preparation

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. Resurface, patch or level surfaces to required tolerance and smoothness with appropriate Sto leveling materials. Refer to ASTM D-4258 and ASTM D-4261 for complete details on methods of preparing cementitious substrates for coatings.

Mixing

Mix with a clean, rust-free electric drill and paddle to a uniform consistency.

Application

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

Apply Sto Dispersion Adhesive to the back of Sto Insulation Board using a u-notched trowel with notches 3/16" (5 mm) wide and 3/8" (9.5 mm) high with notches spaced approximately 1-7/8" (47 mm) apart on center (see Coverage section for details). Form uniform ribbons of adhesive parallel to the long dimension of the board. Immediately install the board horizontally with staggered joints and apply firm pressure over the entire board surface. Once applied, the working time is up to 15 minutes depending upon material, ambient temperatures and surface conditions.

*NOTE: For drainage of incidental moisture, form adhesive ribbons parallel to the short dimension of the insulation board.

Protect from rain, freezing and continuous high humidity until completely dry.

Curing/Drying

Sto Dispersion Adhesive dries within 24 hours under normal [70° F (21° C), 50% RH] conditions. Drying time varies depending upon temperature/humidity and surface conditions. Allow additional drying time during cold or humid weather before application of primer and finish. For low absorption substrates, including surfaces protected with Sto Guard™, substantially prolonged drying times should be anticipated.

Clean Up

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

Limitations

Use Sto Dispersion Adhesive only when surface and ambient temperatures are above 40° F (4° C) and below 100° F (28° C) during application and drying period. Sto Dispersion Adhesive is not recommended for use when cool damp conditions exist for prolonged periods. Cool damp conditions retard drying and may require extended periods of protection or delay in rasping insulation board surface. Do not use over pressure treated or fire retardant treated wood surfaces. Do not use on damp surfaces or on substrates with high moisture.

Health & 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 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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POLYMERS

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