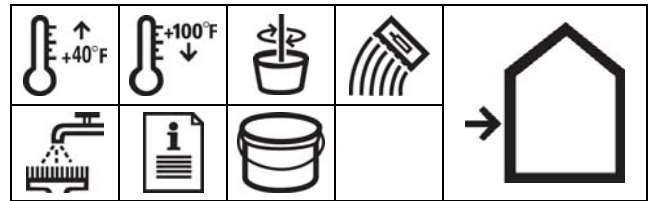


Sto Dispersion Adhesive

80829 Dispersion Adhesive



REPORT	TEST METHOD	TEST CRITERIA	TEST 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
VOC (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.		

* Failure of substrate

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

Features	Benefits
1 Ready-mixed	Ready to use; no cement added at job site
2 Flexible	Bridges normal movement in wood sheathing
3 100% Acrylic polymers	Excellent adhesion; not brittle; retains flexibility
4 Water-based	Safe, non-toxic; cleans up with water
5 Low VOC	Meets South Coast Air Quality Management District Requirements

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 StoTherm® Insulated Wall Claddings, including StoTherm® NExT.

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.

Sto Dispersion Adhesive

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.

Sto Dispersion Adhesive is applied full strength (no dilution).

Application

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

Apply to the back of the insulation board with the appropriate size notched trowel. When using Sto's M-8 Spray pump apply directly onto the substrate. Form uniform ribbons of adhesive parallel to the short dimension of the board so the ribbons are oriented vertically in relation to the plane of the wall. Immediately install the board horizontally with staggered joints and apply firm pressure over the board surface.

Curing/Drying

Sto Dispersion Adhesive dries within 24 hours under normal conditions [70°F (21°C), 50% RH]. 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 StoGuard™, substantially prolonged drying times should be anticipated.

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

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 (38°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 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 re-use.

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 Material Safety Data Sheet for further health and safety information. Material Safety Data Sheet (MSDS) is available at www.stocorp.com

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 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.