

Polyurethane Foam Substrate With a Durable, Pressure-Sensitive Acrylic Adhesive on Both Sides

Normount® V1300



The foam properties of Normount V1300 dissipate vibrations and distribute stress forces, while the pressure-sensitive acrylic adhesive maintains a long-term bond.

Durability, Conformability and Bonds That Last

Normount V1300 series bonding tapes combine a polyurethane foam substrate with a durable, pressure-sensitive acrylic adhesive on both sides. The foam properties dissipate vibrations and distribute stress forces, while the adhesive maintains a long-term bond. The conformability of Normount V1300 series mounting tapes promotes maximum surface contact with less distortion, thus providing superior adhesive wet-out and bond.

Reduced Labor and Material Costs

Normount V1300 series bonding tapes reduce or eliminate the need for liquid adhesives, screws, rivets and welds, which decreases the amount of surface refinishing required after assembly. In fact, with the easier, quicker assembly that is possible with Normount tapes, minimal clean-up is required and there is no waste to dispose of, your labor efficiency is increased and costs are reduced.

Acts as a Buffer Between Assembled Parts

Normount V1300 series bonding tapes distribute stress throughout all pressure points, minimizing distortion (such as rippling of a metal or plastic substrate). Normount tapes also aid in relieving forces caused by thermal expansion and contraction between bonded parts, thereby helping to maintain bonds during temperature cycles. And, Normount tapes act as an effective buffer between dissimilar materials, helping to prevent corrosion by eliminating contact between them.

Configurations

Normount V1300 series is available in thicknesses of 1/32", 1/16" and 1/8" and in widths ranging from 1/4" to 56". A polyethylene liner is standard, although other liners are available.

White Polyurethane Foam Bonding Tape for Interior Use

Features / Benefits

- Acrylic Adhesive Provides Durable Bond
- Promotes Maximum Surface Contact and Adhesive "Wet-out"
- Absorbs Vibration
- Mitigates Effects of Temperature-Induced Expansion and Contraction
- Helps Prevent Corrosion by Eliminating Contact Between Dissimilar Materials

Typical Bonding Applications

- Retail Packaging
- Circuit Board Mounts
- Signs
- Security Pads
- Component Mounts
- Wire/Cable Mounts
- Appliance Emblems
- Mirror Mounting
- Wall Displays
- Interior Trim and Ornamentation
- Tiles and Panels
- Kick Panels
- Panel Stiffener Attachment
- Glass Lamination

Normount V1300 Standard Roll Sizes

Widths: 1/4" to 56" (6.35 mm to 1.4 m)		
Color: White	3" I.D. Cores	
Product No.	Thickness in. (mm)	Length ft. (m)*
V1330	.030 (0.8)	200 (61)
V1362	.062 (1.6)	200 (61)
V13124	.125 (3.2)	100 (30.5)

Standard Liner: Powder-blue polyethylene liner is standard. Other liners may be available with minimum order requirement. Contact Saint-Gobain's Customer Service Department for further information.

*Non-standard roll lengths are available on special order.

Storage: Material should be stored at 70°F (21°C), 50% relative humidity.

Application Guide: Static weight loads should not exceed 0.5 psi (35 gms/cm²). Saint-Gobain Performance Plastics recommends testing all products under actual application conditions prior to commercial use. Do not use on fabric, coarse concrete, loose paint, rough wallpaper or similar surfaces.

For maximum adhesive performance, prepare the contact surface by removing dirt, wax, soap and oily films with a cleaning solvent. A typical cleaning solvent is a 50/50 isopropyl alcohol/water mixture. It may be necessary to seal and/or prime the contact surface. If added adhesion is desired, Saint-Gobain Performance Plastics recommends the use of Tite-R-Bond™ Adhesion Promoter.

The greater the adhesive-to-surface contact (known as wet-out), the better the adhesive bond strength. Apply the tape to the first surface with the liner on, then firmly rub down. Remove the liner just prior to bonding surfaces together and apply firm pressure to ensure full contact.

Bond strength is dependent on the substrate surface, application temperature and dwell time. When possible, allow 24 hours dwell time at room temperature before loading.

Please Note: White foam substrate may yellow in color with exposure to UV light without affecting bonding performance. Because Saint-Gobain Performance Plastics cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.

Norcryl™ and Tite-R-Bond™ are trademarks.
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PERFORMANCE PLASTICS

Saint-Gobain Performance Plastics
One Sealants Park
Granville, NY 12832
1-800-724-0883
(518) 642-2200
Fax: (518) 642-2793

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Typical Physical Properties

Property	Test Method	Value or Rating
Density: lbs./cu. ft. (kg/m ³)	ASTM D-1667	25** (400)
Peel Adhesion: oz./in. (N/m) 180° Peel	PSTC-3	96 (1,050)
Dynamic Shear Adhesion: psi (kPa), 15-min. dwell	NTP-5	115 (793)
Tensile Strength of Foam: psi (kPa)	ASTM D-412 Die C	170 (1,171)
Elongation of Foam: %	ASTM D-412 Die C	215
Recommended Service Temp.:	—	-30°F to 200°F (-34°C to 93°C)
Recommended Application Temp.:	—	60°F to 125°F (16°C to 52°C)

**V1330 is 28 lbs./cu. ft. (470 kg/m³)

NTP is Norton Test Procedure

Parameter values are not guaranteed and will differ from lot to lot. For specification writing, contact Saint-Gobain Application Engineering Department.



Need More Adhesion? Stick with Saint-Gobain Tite-R-Bond™ Adhesion Promoters.

Tite-R-Bond adhesion promoters are designed to work in conjunction with acrylic, pressure-sensitive adhesive systems (such as those used on Normount® and Norcryl™ mounting tapes). Tite-R-Bond improves bonding

on substrates that resist adhesion. It can be used to develop an immediate quick-stick and generally improves pressure-sensitive acrylic adhesive systems. This enhances adhesion to irregular and curved surfaces. Various formulations are available for specific substrates.

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