

# V2800 SERIES

## Black, Closed-Cell, Polyurethane Foam Tape

**Saint-Gobain® Norbond®** V2800 Series Bonding Tapes are manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and combine a black polyurethane foam substrate with a high-performance, pressure-sensitive acrylic adhesive on both sides. The foam substrate allows energy and stress in the joint to be dissipated over the entire bond. **Norbond** V2800 is an ideal choice for severe exterior bonding applications. The product is durable in all weather conditions and provides resistance against UV light, extreme temperatures, fungi, oxidation and ozone.

The V2800 Series is specially intended to provide the following features:

- Stress distribution reduces pressure points, thereby minimizing distortion
- High-performance, durable acrylic adhesive provides a strong, long-lasting bond
- Conformable, closed-cell polyurethane foam has excellent environmental resistance
- Prevents corrosion of dissimilar materials by eliminating the contact between them
- Standard polypropylene liner excels in automated production

### Available Sizes

Standard thickness: 0.5, 0.8, 1.2, 1.6, 2.3, 3.0 mm

Master roll size: 1422 mm width. Slit rolls also available. Standard roll length varies with thickness.

Nonstandard roll length available on special order.



### APPLICATIONS

- Window decoration bars
- Emblems and ornamentation
- Trailer roof bows
- Panel stiffeners
- Signs and nameplates
- Weather stripping
- Body side molding
- Composite panels

**Norbond V2800 Series – Properties**

Performance tests are run using standard test procedures. The values presented are typical values and should not be used -for specification purposes.

Property	Test Method	Value or Rating
Density: kg/m <sup>3</sup>	ASTM D-1667	480
Peel Adhesion: N/m 180° Peel 15-min. dwell	PSTC-3	1,181
Dynamic Shear Adhesion: kPa, 72 hr. dwell stainless steel to paint	NTP-5	827
Dynamic Tensile Adhesion: kPa 24 hr. dwell aluminum to paint	NTP-11	689
Tensile Strength of Foam: kPa	ASTM D-412 DIE C	896
Elongation of Foam: %	ASTM D-412 DIE C	275
Water Absorption: % by weight	NTP-36	5

NTP- Norton Test Procedure

Please note: may yellow in color with exposure to UV light without affecting bonding performance. Black adhesive option available subject to minimum order quantity.

**Norbond V2800 – Standard Roll Sizes**

Thickness mm	Length m
.5	100
.8	100
1.2	61
1.6	61
2.3	46
3.0	15

3" I.D. cardboard cores standard

**Options (subject to minimum order requirements)**

Liner: Blue Polypropylene liner is standard. Other liners may be available with minimum order requirement.

**Important Instructions**

- Because **Saint-Gobain** cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.
- Surfaces must be clean and free of oil, grease, moisture, dust and dirt. Isopropyl alcohol is good for cleaning the surface.
- Apply a uniform pressure of 103 kPa to promote good contact between the material to be bonded and the tape. The application temperature should be between 16°C to 52°C. It is not recommended to apply these tapes at temperatures below 16°C, as the adhesive does not flow in this condition and can result in poor bonding.
- Recommended Service Temperature is between -40°C to 93°C.
- The adhesion between the substrate and the tape increases with time, typically reaching final bond strength in 72 hours. Heating the product above 40°C will accelerate the adhesion process.

**Shelf Life**

12 months after the date of sale when stored in original packaging at temperatures up to 21°C and 50% relative humidity.



**Need more adhesion? Stick with Saint-Gobain Norbond Adhesion Promoters.**

**Norbond** Adhesion Promoters improve bonding on substrates that resist adhesion. It can be used to develop an immediate quick-stick and generally improves pressure-sensitive acrylic adhesive systems (such as those used on **Norbond** Tapes). This enhances adhesion to irregular and curved surfaces. Various formulations are available for specific substrates.

**IMPORTANT:** It is the user’s responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to your actions or inactions, including your use, design, fabrication or application of the products into which the materials are incorporated.

**WARRANTY:** This document should not be considered a warranty or a guarantee. The descriptions of the Product provided hereinabove may vary based on specifications requested and testing protocols. Typically, Saint-Gobain warrants that product(s) will meet mutually agreed specifications at delivery and Saint-Gobain honors any breach of warranty claims for six (6) months from delivery of the products. If a product is determined to be nonconforming with its warranty, Saint-Gobain’s sole obligation is, at its option, to either replace the nonconforming products or reimburse the purchase price for the same.

The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. **SAINT-GOBAIN DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE.**



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