



# NORBOND®

## SG1080G

Providing durable, long-lasting security

## Grey, Double-Sided, Acrylic Foam Tape for Automotive

Saint-Gobain NORBOND® SG1080G series is a high performance grey, double-sided, coated acrylic foam tape with outstanding viscoelastic and adhesion properties. Formulated for durable, long-lasting adhesion, SG1080G is an ideal option for automotive interior and exterior bonding on complex surfaces.

The SG1080G series viscoelastic core is specially designed to provide the following features:

- Great conformability and stretching
- Resistance to weathering degradation (UV and high temperature)
- Excellent performance in pluck and peel adhesion on a variety of automotive paint systems
- Outstanding static shear adhesion
- Durable adhesion at elevated temperatures
- Shock and stress absorption



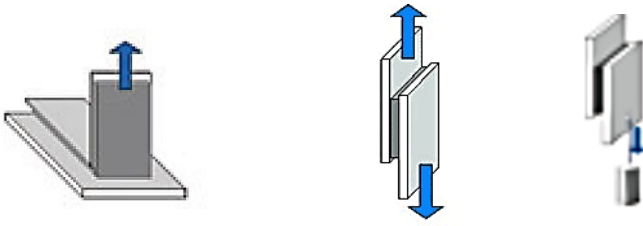
### Applications

- Bonding of emblems, tread plates, body side trim
- Assisted bonding of rocker panels, wheel flares, spoilers
- Car interior bonding applications

## NORBOND® SG1080G Series – Properties

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

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Peel Adhesion <sup>1</sup> Painted Panel		Dynamic Shear <sup>2</sup>	Static Shear – H.C.R <sup>3</sup>	Thickness	Service Temperature
20 min	72 h	24 h			
N/cm	N/cm	N/cm <sup>2</sup>	° C	mm	
13	19	58	120	0.8	-35°C to 93°C

Peel tests run at RT / jaw separation rate 300 mm/min as per ASTM D3330

<sup>2</sup> Stainless Steel Samples 25 mm x 25 mm / jaw separation rate 50 mm/min as per ASTM D1002.

<sup>3</sup> Based on ASTM D3654 / Samples 25 mm x 25mm / 40 to 120 °C/20 min (10 °C) / 500g.

### 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 100 kPa (15 psi) to promote good contact between the material to be bonded and the tape. The application temperature should be between 16°C to 52°C (60°F to 125°F). It is not recommended to apply these tapes at temperatures below 16°C (60°F).

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 (105°F) will accelerate the adhesion process.

### Shelf Life

12 months from date of sale when stored in original packaging at 21°C (70°F) and 50% relative humidity.



### Need more adhesion? Stick with NORBOND® Adhesion Promoters.

NORBOND® adhesion promoters are designed to work in conjunction with acrylic, pressure-sensitive adhesive systems (such as those used on SG1080G bonding tapes). NORBOND® 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.

NORBOND is a registered trademark of Saint-Gobain Performance Plastics.



Saint-Gobain Performance Plastics

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**Limited Warranty:** For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s).

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