



Blue liner

Acrylic adhesive for superior adhesion

Grey acrylic foam core

Z1000 SERIES

Grey, Double-Sided, Acrylic Foam Tape for Automotive

Saint-Gobain® Norbond® Z1000 Series is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a high performance grey, double-sided, coated acrylic foam tape with outstanding viscoelastic and adhesion properties. Formulated for durable, long-lasting adhesion, Z1000 is an ideal option for automotive interior and exterior bonding on complex surfaces.

The Z1000 Series viscoelastic core is specially intended 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

Available Sizes

Standard thickness: 0.5 mm, 0.6 mm, 0.8 mm and 1.1 mm
 Master roll size: 1200 mm (47.2 in) × 33 m (108 ft)
 Special thickness and configurations available upon request.



APPLICATIONS

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

Norbond Z1000 – Properties

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



90° Peel Adhesion ¹ Automotive Painted Panel			Tensile Adhesion ² (72 hrs dwell)		Static Shear ³	Service Temperature
72h dwell	Humidity ⁴	Accelerated Age ⁵	Stainless Steel	Automotive Paint	Stainless Steel	
N/cm	N/cm	N/cm	kPa	kPa	7 days/1 kg	
13	20	55	944	885	Pass & Exceeds	-35°C to 93°C

Typical test values based on 1,1mm thick tape material.
¹ Peel tests run at RT / 12,7 mm wide tape / jaw separation rate 300mm/min.
² Samples 25mm x 25mm / jaw separation rate 50mm/min.
³ Based on ASTM D3654.
⁴ 168h in a humidity cabinet at 40 C and 93%RH.
⁵ 168h in an air circulating oven at 70 C.

Options (subject to minimum order requirements)

Liner: A variety of substrate options (thickness, polymer, color, graphic printed) and release level options are available upon request.

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 Z1000 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.

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.

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