

# Z3000 SERIES

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

**Saint-Gobain® Norbond®** Z3000 Series is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a primerless, dark grey, differential coated, acrylic foam tape with outstanding viscoelastic and adhesion properties. Z3000 is characterized by its excellent adhesion of low surface energy (LSE) plastics such as PP-EPDM, to automotive paint systems or medium surface energy (MSE) plastics such as ABS and ASA.

**Norbond** Z3000 can eliminate the need for primer in the tape application, offering a healthier and more sustainable process that saves time and reduces overall cost without sacrificing performance.

**Norbond** Z3000 Series is specifically intended to provide the following features:

- Excellent primerless adhesion to LSE plastics on the non-liner side (NLS)
- Strong adhesion to OEM clear coats and MSE plastics on the liner side (LS)
- Engineered core that yields cohesive foam split across a range of OEM exposure conditions
- Superior peel strength with enhanced short-term adhesion build
- Reliable static holding power at temperatures up to 90°C
- High resistance to humidity and aging conditions

### Available Sizes

- Standard thickness: 0.8 mm, 1.1 mm, and 1.5 mm
- Master log size: 800 mm wide

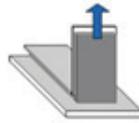


### TYPICAL APPLICATIONS

- Body Side Molding (BSM)
- Wheel flares
- Rocker panels
- Spoilers

**Norbond Z3000 Test Data**

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



|              | 90° Peel Adhesion <sup>1</sup> |                   |                  |   |                   |                  | Static Shear <sup>2</sup>               |                            |
|--------------|--------------------------------|-------------------|------------------|---|-------------------|------------------|---|----------------------------|
|              | LS to 2K Clear Coat Panel      |                   |                  | NLS to unprimed PP/EPDM                 |                   |                  | NLS to unprimed PP/EPDM                 |                            |
|              | Thickness (Without Liner)      | 20 Min Dwell (RT) | 72 Hr Dwell (RT) | Climate Aged 240H at 40°C and 100% r.H. | 20 Min Dwell (RT) | 72 Hr Dwell (RT) | Climate Aged 240H at 40°C and 100% r.H. | 1 N/cm <sup>2</sup> @ 90°C |
| mm           | N/cm                           |                   |                  |   |                   |                  | hours                                   |                            |
| <b>Z3000</b> | 1.1                            | 41                | 42               | 40                                      | 28                | 41               | 43                                      | Pass & Exceeds 100 hr      |

Note: Z3000 was designed and approved to OEM specification requirements. Representative values of Z3011 are presented for comparison purposes only and shall not be used for specification purposes. The values are averages from actual test data, performed on a limited set of samples and materials, and individual results may vary. **Saint-Gobain** materials were chosen randomly from commercial stock. All testing was performed at room temperature unless otherwise noted, using the same method for each condition. Please contact **Saint-Gobain** Tape Solutions Application Engineering to obtain specific test results.

1. Test speed at 300 mm/min      2. Based on DIN EN 1943

**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 15 psi (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 (60°F and 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 after the date of manufacture when stored in original packaging at temperatures up to 21°C (70°F) and 50% relative humidity.

**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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