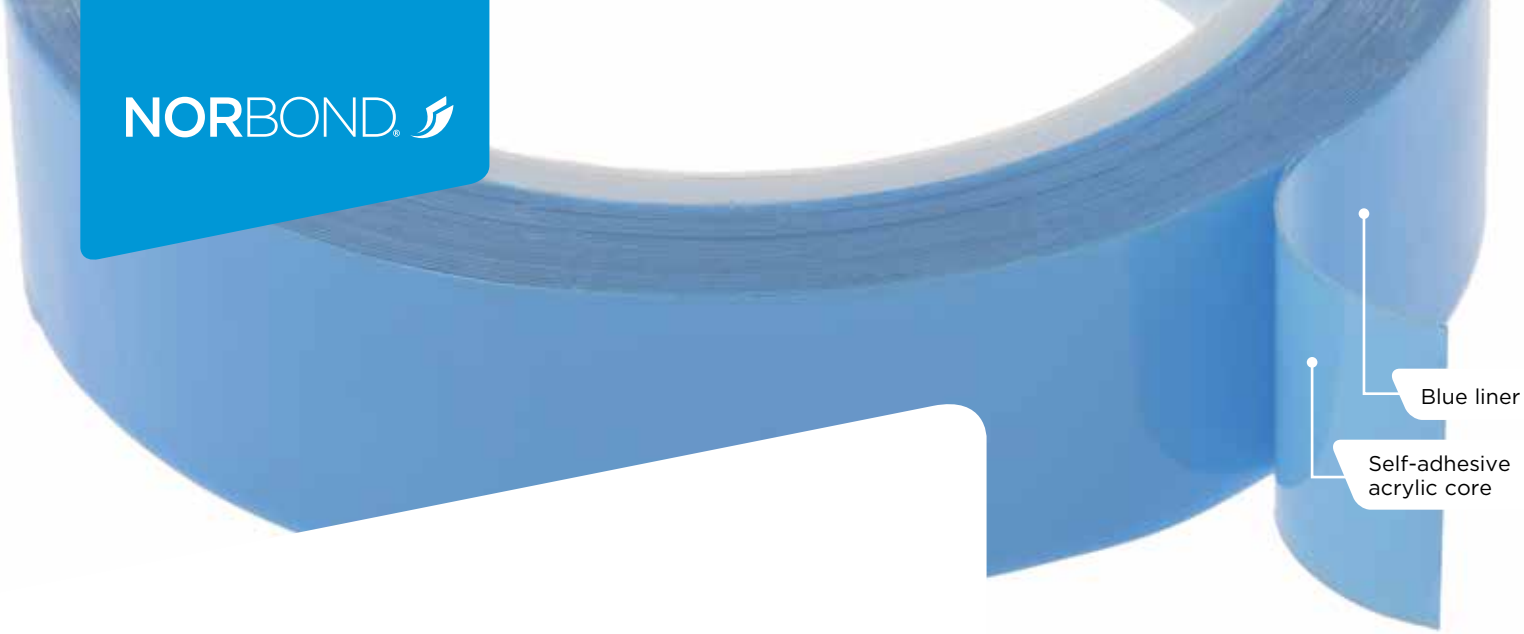

A7100 SERIES

Clear, Double-Sided, Acrylic Core Tape

Saint-Gobain® Norbond® A7100 Series is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a transparent, acrylic core tape with outstanding viscoelastic and adhesion properties. Virtually invisible after application, **Norbond** A7100 satisfies special visual and design requirements when bonding to glass or clear surfaces. A7100 is formulated for durable, long-lasting adhesion, exceeding industry standards for shear strength and bonding to high surface energy substrates, even at elevated temperatures.

The A7100 Series viscoelastic core is specially intended to provide the following features:

- Great conformability and stretching features:
- Resistance to weathering degradation (UV and high temperature)
- Excellent performance in T-block and dynamic shear
- Outstanding static shear adhesion
- Durable adhesion at elevated temperatures
- Shock and stress absorption
- Uniform, invisible bonding

Available Sizes

Standard thickness: 0.13 and 0.25 mm

Master roll size: 700 mm × 100 m

Special thickness and roll sizes also available.

APPLICATIONS

- Glass furniture component bonding
- Security glass lamination
- Translucent signage
- Bath and shower hardware
- Visual communication
- Appliance components
- Polycarbonate bonding

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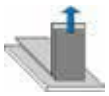
Norbond A7100 Series — Properties

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



Thickness	90° Peel Adhesion[1] (3-day dwell)				T-Block[2]	Dynamic Shear[3]	Static Shear[4]	Service Temperature	UV Light Resistance
Without Liner	Glass	Aluminum	Stainless Steel	PMMA	Aluminum	Stainless Steel	Stainless Steel		
mm	N/cm (lb/in)	N/cm (lb/in)	N/cm (lb/in)	N/cm (lb/in)	N/cm² (lb/in²)	N/cm² (lb/in²)	2 days /0.5kg		
0.13	10 (6)	14 (8)	13 (7)	10 (6)	39 (56)	17 (25)	Pass and Exceeds	-35°C to 93°C (- 30°F to 200°F)	High[5]
0.25	14 (8)	16 (9)	13 (7)	12 (7)	57 (83)	16 (20)			

[1] Based on ASTM D3330
[2] Based on ASTM D897
[3] Based on ASTM D1002
[4] Based on ASTM D3654
[5] No change in clarity and colour was seen after 500 hours exposure in Twin Carbon Arc weatherometer

Options (subject to minimum order requirements)

Adhesive base: Color tinting of the acrylic core is available upon request.
Liner: A variety of substrate options (thickness, polymer, colour, 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 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), as the adhesive does not flow in this condition and can result in poor bonding.
- 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 Saint-Gobain Norbond Adhesion Promoters.

Norbond Adhesion Promoters are designed to work in conjunction with acrylic, pressure-sensitive adhesive systems (such as those used on **Norbond** 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.

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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