

# NORBOND®

## A7200 Series

Providing durable, long-lasting security

## Clear, Double-Sided, Acrylic Core Tape

Saint-Gobain NORBOND® A7200 series is a transparent, acrylic core tape with outstanding viscoelastic and adhesion properties. Virtually invisible after application, NORBOND® A7200 satisfies special visual and design requirements when bonding to glass or clear surfaces. A7200 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 A7200 series viscoelastic core is specially designed to provide the following features:

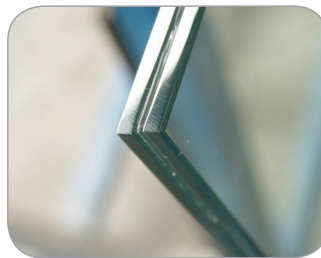
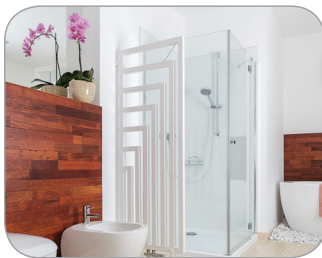
- Great conformability and stretching
- Resistance to weathering degradation (UV and high temperature)
- Excellent performance in T-block and dynamic shear
- Outstanding static shear adhesion
- Durable adhesion at elevated temperatures
- Shock and stress absorption
- Uniform, invisible bonding

### Available Sizes

Standard thickness: 0.5, 0.7, 1.0, 1.5, 2.0 and 3.0 mm

Master roll size: 800 mm x 33, 20, 15 and 10 m

Special thickness and roll sizes also available.

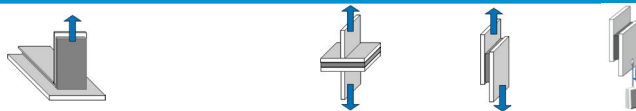


### Applications

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

## NORBOND® A7200 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 <sup>1</sup> (3-day dwell)				T-Block <sup>2</sup>	Dynamic Shear <sup>3</sup>	Static Shear <sup>4</sup>	Service Temperature	UV Light Resistance
	Without Liner	Glass	Aluminum	Stainless Steel	PMMA	Aluminum	Stainless Steel		
mm	N/cm (lb/in)	N/cm (lb/in)	N/cm (lb/in)	N/cm (lb/in)	N/cm <sup>2</sup> (lb/in <sup>2</sup> )	N/cm <sup>2</sup> (lb/in <sup>2</sup> )	7 days/1 kg		
0.5	23 (13)	33 (19)	18 (10)	17 (10)	77 (112)	46 (67)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
0.7	22 (12)	36 (21)	18 (10)	19 (11)	69 (100)	21 (30)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
1.0	22 (13)	40 (23)	18 (10)	20 (11)	65 (94)	22 (32)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
1.5	34 (20)	24 (13)	30 (17)	23 (13)	76 (111)	50 (73)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
2.0	35 (20)	30 (17)	30 (17)	23 (13)	68 (98)	38 (55)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>
3.0	29 (17)	33 (19)	27 (16)	29 (17)	43 (63)	45 (66)	Pass and Exceeds	-30°F to 200°F (-35°C to 93°C)	High <sup>5</sup>

<sup>1</sup> Based on ASTM D3330

<sup>2</sup> Based on ASTM D897

<sup>3</sup> Based on ASTM D1002

<sup>4</sup> Based on ASTM D3654

<sup>5</sup> No change in clarity and color 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, 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 15 psi (103 kPa) to promote good contact between the material to be bonded and the tape. The application temperature should be between 60°F and 125°F (16°C to 52°C). It is not recommended to apply these tapes at temperatures below 60°F (16°C), 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 105°F (40°C) will accelerate the adhesion process.

### Shelf Life

24 months after date of sale when stored in original packaging at 70°F (21°C) 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 A7200 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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