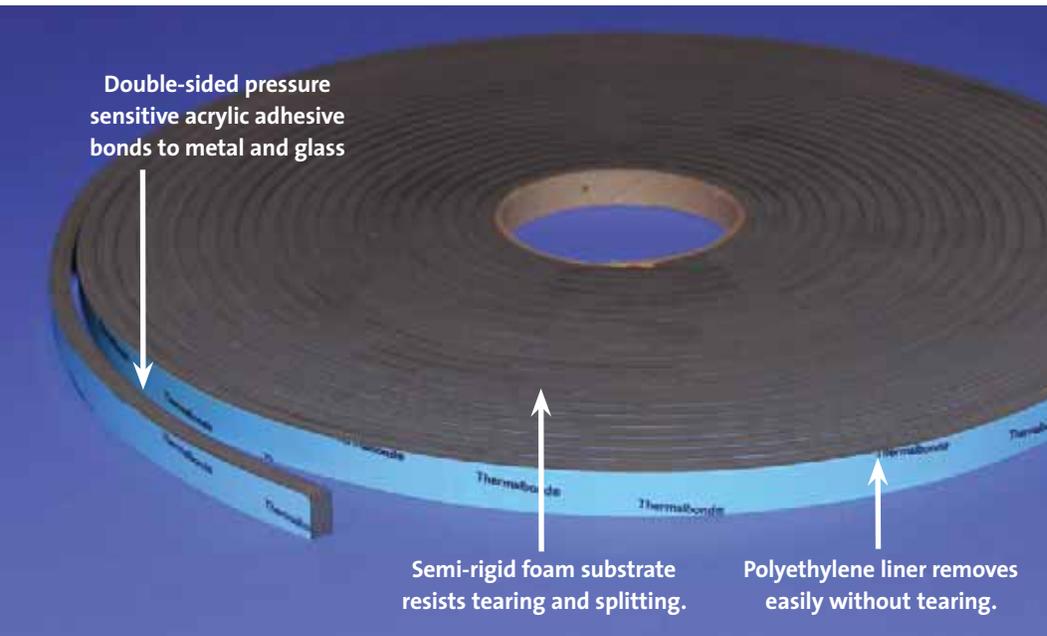


# Thermalbond® V2200



*Semi-Rigid Polyurethane Foam Substrate used as a Structural Glazing and Cladding Spacer System for In-Shop Fabrication*

## Applications

- Structural Silicone Glazing
- Thermal Break on Storm Windows and Doors
- Curtain Wall
- Die Cut for Vibration Dampening

## Semi-Rigid Polyurethane

- An open cell structure allows air and moisture to reach the silicone, permitting optimum curing.
- Semi-rigid polyurethane foam substrate is chemically compatible with all silicones tested.\*
- Low thermal conductivity foam substrate reduces heat transfer and inhibits condensation on windows, doors and metal systems.
- Excellent resistance to weather, fungi and oxidation.

## For Two- and Four-Sided Structural Glazing Systems

- Superb spacer for two-sided field and four-sided shop structural silicone glazing systems.
- Speeds shop fabrication of unitized panels.
- Easy to handle.
- Suitable for die cutting.
- Easy liner removal after panel is positioned in-place.

## Pressure-Sensitive Adhesive

- Adhesive on one or two sides for ease of spacer placement.
- For clear or lightly tinted glass, V-2200 with adhesive on one side only should be used to avoid unsightly air pockets.



\*Refer to silicone manufacturer to confirm compatibility information. Due to the numerous variables involved in a structural glazing system, EACH PROJECT should be individually lab tested by the silicone manufacturer for compatibility between Thermalbond V2200, structural silicone and all other adjacent components.

## Thermalbond V2200 Standard Roll Sizes

Widths: 1/4" to 56" (6.35mm to 1.4m)	Color: Black	3" I.D. Cores
Sealant No.	**Thickness in. (mm)	Length ft. (m)
V2204	1/8 (3.2)	50 (15.2)
V2206	3/16 (4.8)	50 (15.2)
V2208	1/4 (6.4)	50 (15.2)
V2210	5/16 (7.9)	25 (7.6)
V2212	3/8 (9.5)	25 (7.6)

\*\*Metric sizes available are subject to minimum quantity orders.

**Storage:** Material should be stored at 70°F, 50% relative humidity.

**Application Guide:** Contact surfaces must be thoroughly cleaned. Once Thermalbond V2200 is applied, it cannot be removed and reused, so position sections carefully, making sure product is in contact with all surfaces. If unit is misaligned, remove used Thermalbond 2200, discard and repeat application with new material. Test this product for system compatibility as individual application conditions can affect results.

**Please Note:** Because Saint-Gobain Performance Plastics cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions/use prior to use.

**Please Note:** For clear, lightly tinted or monolithic glass, single sided adhesive Thermalbond is recommended to reduce the visual impact of any air pockets sometimes induced in the panel fabrication process. The visual impact should be reviewed on prototype assemblies.

Thermalbond V2200 is a spacer material and is not intended to be a structural component.

## Typical Physical Properties

Property	Value	Test Method
Density: lbs./cu. ft. (kg/m <sup>3</sup> )	22 (352)	ASTM D-1667
Force to Compress 10%: psi (kPa)	16 (110)	ASTM D-1667
Hardness: Shore A	30	ASTM D-2240
Tensile Strength: psi (kPa)	130 (896)	ASTM D-412
Elongation: %	105	ASTM D-412
Dynamic Tensile Adhesion: psi (kPa) (15-minute dwell)	45 (310)	NTP-11
Dynamic Shear Adhesion: psi (15-minute dwell)	30 (206)	NTP-5
Static Shear Adhesion: Hours @ room temperature (1 psi load)	2000+	NTP-57
Thermal Conductivity K Factor: BTU•in/hr•ft <sup>2</sup> •°F (w/m•°C)	.55 (0.08)	ASTM C-518
Migratory Staining of Acrylic Enamel: 200 hours of ultraviolet at 140°F Recommended Service Temperature:	No Staining  - 40°F (-40°C) to 180°F (82°C)	ASTM D-925
Recommended Application Temperature:	60°F (16°C) to 125°F (52°C)	

NTP is Norton Test Procedure. Parameter values are not guaranteed and will differ from lot to lot. For specification writing, contact Saint-Gobain Application Engineering Dept.

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Distributed By:

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