



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 walls
- 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 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, V2200 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:	Colour:	
6mm to full width	Black or grey (special)	3" ID Cores
Thickness (mm)	Length (m)	
3.2	15.25	
4.8	15.25	
6.4	15.25	
8.0	7.60	
9.5	7.60	

Storage: Material should be stored room temperature

Application Guide: Contact surfaces must be thoroughly cleaned and dry. 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® V2200, discard and repeat application with new material. Test this product for system compatibility as individual 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.

Thermalbond® V2200 is a SPACER material, and not intended to be a structural component.

Typical Physical Properties

Property	Value	Test Method
Density (kg/m ³)	352	ASTM D-1667
Force to Compress 10% (kPa)	110	ASTM D-1667
Hardness (Shore A)	30	AST D-2240
Tensile Strength (kPa)	896	ASTM D-412
Elongation (%)	105	ASTM D-412
Dynamic Tensile Adhesion (kPa) 15 min. dwell	310	NTP-11
Dynamic Shear Adhesion (kPa) 15 min. dwell	206	NTP-5
Static Shear Adhesion (hours @ RT) 7 kPa load	2000+	NTP-57
Thermal Conductivity K Factor BTU w/m °C	0.08	ASTM C-518
Migratory Staining of Acrylic Enamel 200 hrs at ultraviolet @ 60°C	No staining	ASTM D-925
Recommended Service Temperature:	-40°F to 175°F (-40°C to 80°C)	
Recommended Application Temperature:	60°F to 125°F (15°C to 50°C)	

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

Thermalbond® is a registered trademark.

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