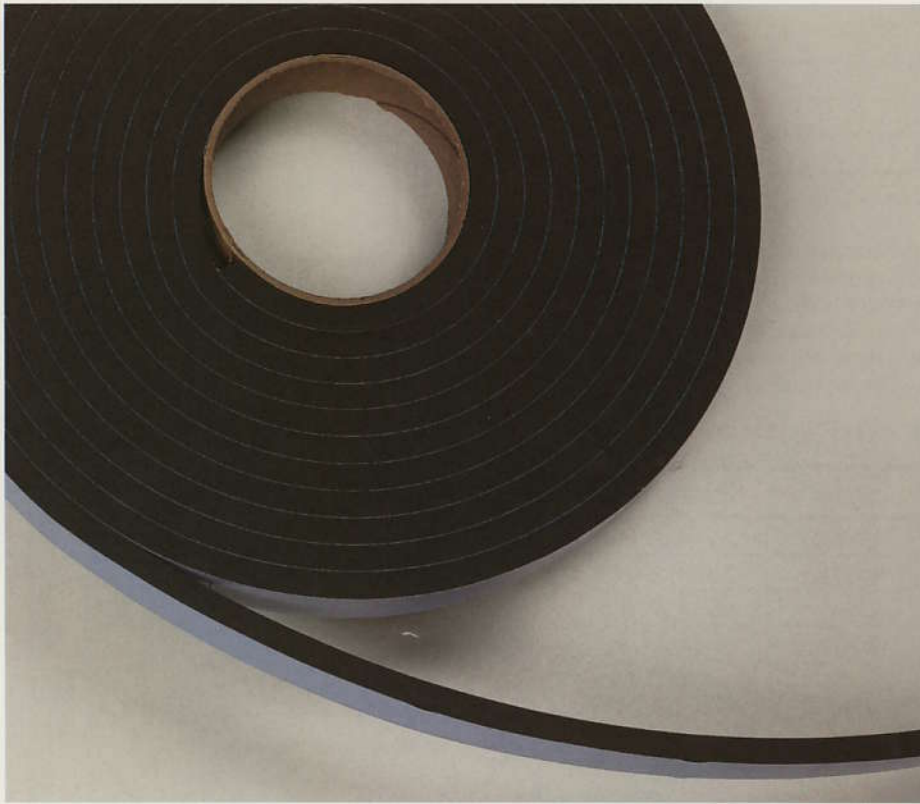


# Thermalbond® V2100



*High-Strength  
Polyurethane  
Foam Substrate  
for Structural  
Glazing and  
Cladding*

*Thermalbond® V2100 features a polyethylene liner that removes easily without tearing. The dual-sided pressure sensitive acrylic adhesive bonds to metal and glass while the semi-rigid foam substrate maintains spacing.*

## Features/Benefits

- Open cell foam structure allows air and moisture to reach silicone, permitting optimum curing
- High-strength polyurethane foam substrate is chemically compatible with all silicones tested\*
- Low thermal conductivity of foam substrate reduces heat transfer and inhibits condensation on windows, doors and metal systems
- Excellent resistance to weather, fungi and oxidation
- Adhesive on one or two sides for easy placement
- Double-sided adhesive will aid in stabilizing components while silicone cures
- Suitable for die-cutting

## Applications

- Superb spacer for two- and four-sided structural glazing systems
- Thermal break on storm windows and doors
- Die-cut for vibration dampening
- Conventional glazing interior spacer

For clear or lightly tinted glass, V2100 with adhesive on one side only should be used to avoid unsightly air pockets.

*\* Refer to silicone manufacturer for compatibility information. Each project should be individually lab tested to confirm compatibility between Thermalbond V2100, structural silicone and all other adjacent materials.*



# Thermalbond V2100 Standard Roll Sizes

Widths: 1/4" to 56"

(Varies with Gauge)

Color: Black

3" I.D. Cores

Sealant No.	**Thickness in. (mm)	Length ft. (m)
V2104	1/8 (3.2)	50 (15.2)
V2106	3/16 (4.8)	50 (15.2)
V2108	1/4 (6.4)	50 (15.2)
V2110	5/16 (7.9)	25 (7.6)
V2112	3/8 (9.5)	25 (7.6)
V2116***	1/2 (12.7)	20 (6.1)

\*\*Hard metric sizes available subject to minimum quantity orders.

\*\*\* Minimum order quantity may apply.

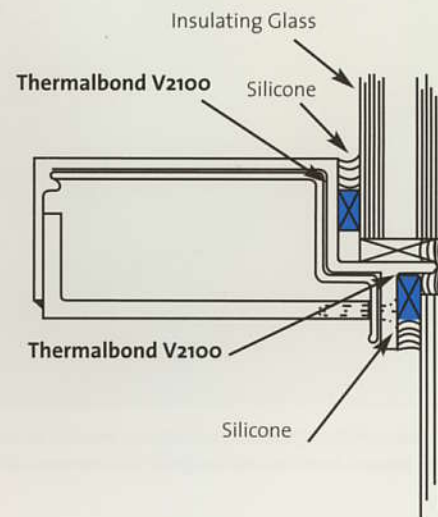
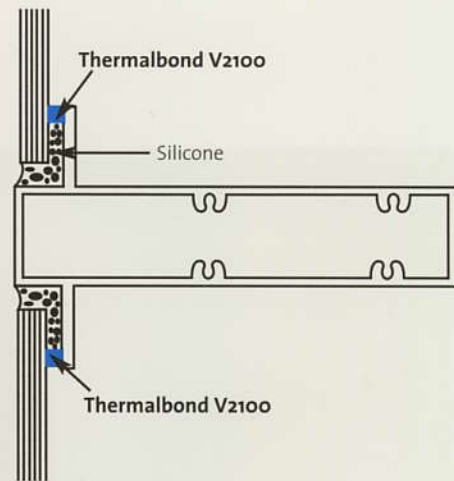
**Storage:** Material should be stored at 70°F; 50% relative humidity.

**Application Guide:** Contact surfaces must be thoroughly cleaned and dry. Once Thermalbond® V2100 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 V2100, discard and repeat application with new material. Test this product for system compatibility as individual application conditions can affect results.

## Average Physical Properties

Property	Value	Test Method
Density: lbs./cu. ft. (kg/m <sup>3</sup> )	31 (497)	ASTM D-1667
Force to Compress 10%: psi (kPa)	31 (214)	ASTM D-1667
Hardness: Shore A	35	ASTM D-2240
Tensile Strength: psi (kPa)	180 (1241)	ASTM D-412
Elongation: %	125	ASTM D-412
Dynamic Tensile Adhesion: psi (kPa) 15 minute dwell	55 (379)	NTP-11
Dynamic Shear Adhesion: psi 15 minute dwell	40 (641)	NTP-5
Static Shear Adhesion: Hours 1 psi load	2000+	NTP-57
Thermal Conductivity K factor: BTU•in/hr•ft•°F (w/m•°C)	.55 (0.08)	ASTM C-518
Migratory Staining of Acrylic Enamel: 200 hours of ultraviolet at 140°F	No Staining	ASTM D-925
Recommended Service Temp.:	-40°F (-40°C) to 180°F (82°C)	
Recommended Application Temp.:	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.



**NOTE:** Thermalbond V2100 is a SPACER material and not intended to be a structural component.

Thermalbond® is a registered trademark.



### PERFORMANCE PLASTICS

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Distributed By:

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