



V2200 SERIES

High-Strength, Polyurethane Foam Spacer For Structural Glazing

The **Thermalbond®** V2200 Series is manufactured by **Saint-Gobain®** Performance Plastics Corporation, Tape Solutions business, and is specially intended to provide the following features:

- Open-cell structure allows air and moisture to reach the silicone for optimum curing of the silicone
- Semi-rigid polyurethane foam is compatible with all silicone tested
- Low thermal conductivity improves the performance of the wall and can support LEED points
- Excellent resistance to temperature variations, fungi and oxidation

The **Thermalbond V2200G272** configuration offers the same benefits as the standard configuration with addition of:

- Gray foam core with UV stable gray pigmented adhesive coatings

The **Thermalbond Xpress®** (TBX2) configuration offers the same benefits as the standard configuration with addition of:

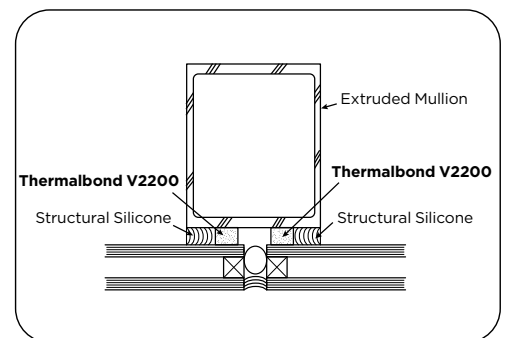
- Standard **Thermalbond** grade adhesive on one side ensuring an aggressive bond to aluminum profiles
- Low friction coating eliminates trapped air pockets and makes alignment of the glass simple and easy
- Adhesive will unwind from the specially treated top side of the foam which eliminates the need to have a separate liner to remove and recycle

Available Sizes

Standard thickness: .125, .187, .250, .312 and .375 in.
(3.2, 4.8, 6.4, 7.9 and 9.5 mm)

Master roll size: 56 in. (1422 mm) width. Slit rolls also available.

Standard roll length varies with thickness.



APPLICATIONS

- Spacer for two- and four- sided structural glazing systems

Thermalbond V2200 Series — Properties

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

Property	Test Method	Value or Rating
Density: lbs./cu. ft. (kg/m ³)	ASTM D1667	22 (352)
Hardness: Shore A	ASTM D2240	30
Force to Compress 10%: psi (kPa)	ASTM D1667	16 (110)
Dynamic Tensile Adhesion: psi (kPa)* (15 min. dwell)	NTP-11	45 (310)
Dynamic Shear Adhesion: psi (kPa)* (15 min. dwell)	NTP-5	30 (206)
Static Shear Adhesion: Hours 1 psi load*	NTP-57	2000+
Tensile Strength: psi (kPa)	ASTM D412	130 (896)
Elongation of Foam: %	ASTM D412	105%
Thermal Conductivity K factor: BTU•in./hr.•ft ² •°F (w/m•°C)	ASTM C518	.55 (.08)
Migratory Staining of Acrylic Enamel: 200 hours of ultraviolet at 140°F	ASTM D925	No Staining

* NTP = Norton Test Procedure.

* Adhesive properties do not apply for **Thermalbond XPress**.

Thermalbond V2200 Series — Standard Configurations

Black Adhesive 2 Sides	Gray Adhesive 2 Sides	Black Adhesive 1 Side	Thickness in. (mm)	Length in. (m)
V2204	—	TBX204	.125 (3.2)	50 (15.2)
V2206	V2206G272	TBX206	.1875 (4.8)	50 (15.2)
V2208	V2208G272	TBX208	.250 (6.4)	50 (15.2)
V2210	V2210G272	TBX210	.3125 (8.0)	25 (7.6)
V2212	V2212G272	TBX212	.375 (9.5)	25 (7.6)

3 in. I.D. plastic cores standard

Liners

Easy release branded blue polyethylene liner is standard on V2200 and V2200G272.

Important Instructions

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**, the structural silicone and all other adjacent components.

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.

Recommended service temperature is between -40°F to 180°F (-40°C to 82°C).

Shelf Life

12 months after the date of sale when stored in original packaging at temperatures up to 70°F (21°C) and 50% relative humidity.

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.

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