



## **THERMALBOND® V2100** **High-Strength Polyurethane** **Foam Spacer for Structural** **Glazing and Cladding**



- 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\*
- The low thermal conductivity of the 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 aids in stabilizing component position while silicone cures, even when vertically stacked
- Suitable for on-site structural glazing
- Thicknesses (T) and roll length (L) options: 3.2mmT X 15.2mL, 4.8mmT X 15.2mL, 6.4mmT X 15.2mL, 9.5mmT X 7.6mL, 12.7mmT X 6.1mL
- Width options: 6mm, 9mm, 12mm and custom

### **APPLICATIONS**

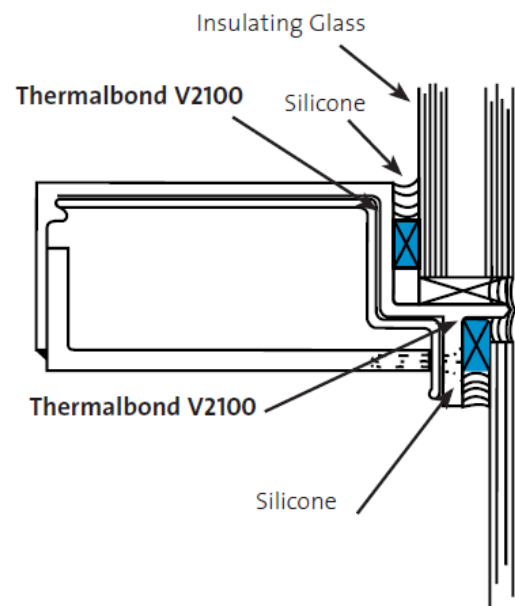
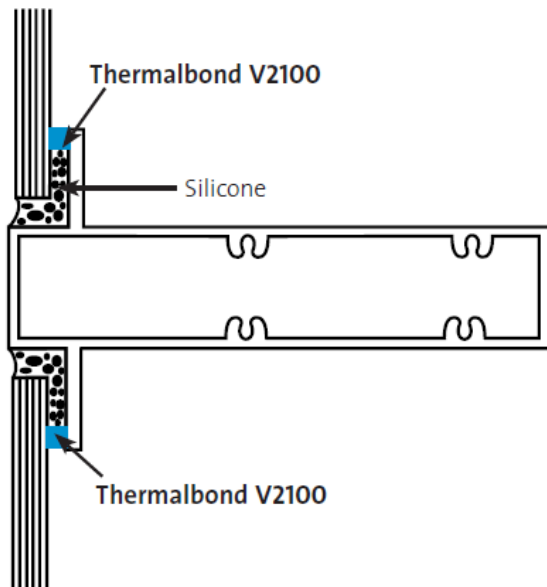
- Superb spacer for two- and four-sided structural glazing systems
- Thermal break on storm windows and doors
- Die-cut for vibration dampening
- Conventional glazing interior spacer
- For clear, lightly tinted or monolithic glass, single-sided Thermalbond adhesive is recommended to reduce the visual impact of any air pockets sometimes induced during the panel fabrication process.
- 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.

Thermalbond® is a registered trademark.



## THERMALBOND® V2100

### High-Strength Polyurethane Foam Spacer for Structural Glazing and Cladding



Please NOTE: Thermalbond V2100 is a SPACER material and not intended to be a structural component.  
**Storage:** Material should be stored at 70 °F (21°C), 50% relative humidity.

### Typical Physical Properties

Property	Value
Density: lbs./cu. ft. (kg/m <sup>3</sup> )	31 (497)
Force to Compress 10%: psi (kPa)	31 (214)
Hardness: Shore A	35
Elongation: %	125
Dynamic Tensile Adhesion: psi (kPa), 15-minute dwell	55 (379)
Dynamic Shear Adhesion: psi (kPa), 15 minute dwell	40 (276)
Static Shear Adhesion: Hours 1 psi load	2000+
Thermal Conductivity K factor: BTU•in/hr•ft <sup>2</sup> •°F (w/m•°C)	55 (0.08)
Migratory Staining of Acrylic Enamel: 200 hours of ultraviolet at 140 °F	No Staining
Recommended Service Temp.:	-40 °F (-40°C) to 180 °F (82°C)
Recommended Application Temp.:	60 °F (16°C) to 125 °F (52°C)

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