



Tape Solutions for Structural Glazing Spacing



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Saint-Gobain® offers a complete range of **Thermalbond®** Structural Glazing Spacer Tapes to perform as a key component in structural silicone glazing applications. **Thermalbond**, formerly called Norton Tape, has been the industry standard for structural spacer tapes for over 40 years, with worldwide usage in a range of curtain-wall styles. Spacer tapes provide both consistent spacing between the glazing panel and structure, as well as an established area where structural silicone sealant can be applied. Tested to ensure superior performance, **Thermalbond** Tapes surpass competitive products in load deformation performance and moisture vapor transmission rate (MVTR), proving it is the ideal solution for structural silicone glazing applications.

Structural Glazing Spacer Tapes

Products: Open-Cell Polyurethane Foam Tapes with Pressure Sensitive Acrylic Adhesive, double coated and single coated options

Function: Spacer tapes provide a spacing function that regulates the correct application of structural glazing sealant, critical in structural silicone glazing systems

Features: Compression set resistance, open-cell structure for structural silicone curing, durable acrylic adhesive for a temporary bond during assembly. Compatibility with all major brand structural silicone sealants

Polyurethane Foam Tape, Double Coated: **Thermalbond** PUR Tapes primarily act as a spacer to maintain a uniform distance between the glazing panel and the structure. These double coated tapes provide temporary holding power to the glass lites and unit frames as structural silicone is injected into the system and then allowed to cure.

Thermalbond V2100 Series is designed for glazing in field applications and is suited for two-sided and four-sided systems. It features superior load bearing ability in compression and shear, a consideration with heavier units of glass. **Thermalbond** V2200 Series is designed for shop fabrication only, with reduced static load-bearing capability but equally as robust performance in the application. Both product series are available in black or grey color configurations. The grey version of these tapes has a light grey foam core with UV-durable grey-pigmented adhesive. When compared to competitive materials such as closed-cell PVC foam spacer tapes, the open cell polyurethane foam core of **Thermalbond** provides long-term resistance to loading and environmental influences which enables the longevity of structural silicone glazed systems in the field.

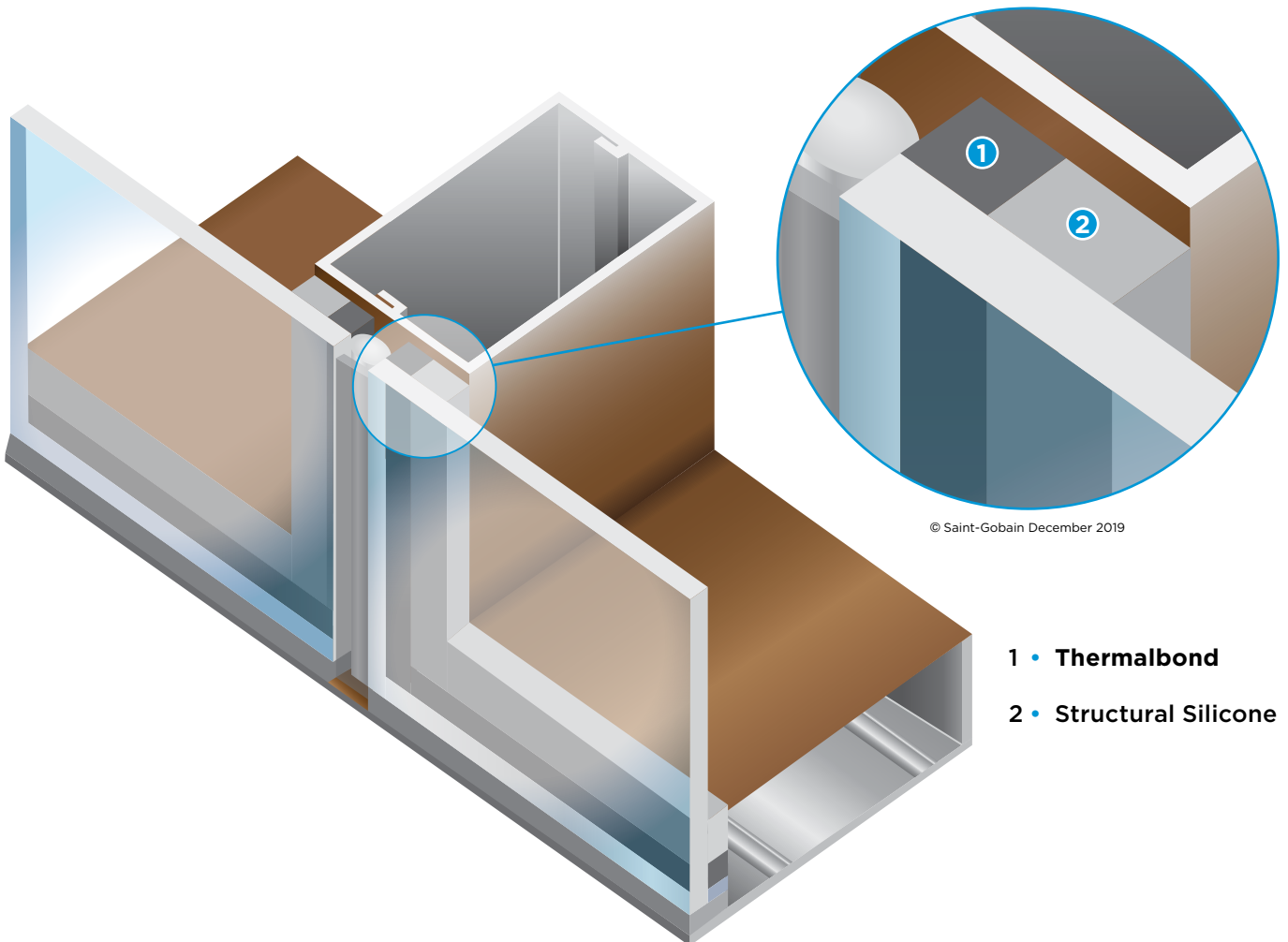
Polyurethane Foam Tape, Single Coated: **Thermalbond Xpress®** Tapes feature the same foam core chemistries as the double coated version but with the adhesive only present on a single side of the product. **Thermalbond Xpress** eliminates the need for a liner, simplifying and speeding installation. The absence of a liner reduces the total waste associated using **Xpress** – liners provide protection and aid in installation but also are discarded.

The adhesive creates an aggressive bond on contact, eliminating the need for aluminum channel raceways commonly seen in glazing systems that use silicone compatible rubber pre-formed gasket materials. **Xpress** utilizes adhesive placement for integration into the glazing assembly, preventing the need for unique profile production with every individual system. This allows for greater flexibility and faster design changes to keep projects on time. The low friction coating eliminates trapped air pockets, providing a consistent visual appearance behind the face of the glass.

Structural Glazing Spacing Tapes

	Backing Material	Liner	Adhesive	Tape Backing Thickness (mm)						Product Features
				Product Code						
				3.2	4.8	6.4	8.0	9.5	12.7	
Double Coated (Thermalbond)	Polyurethane (Black)	High Density Blue Poly	Acrylic	V2104	V2106	V2108	V2110	V2112	V2116	Higher force to compress; suitable for shop/field glazing applications and those with heavier glass loads
	Polyurethane (Black)	High Density Blue Poly	Acrylic	V2204	V2206	V2208	V2210	V2212		Slightly lower force to compress (vs. V2100); suitable for shop glazing applications
	Polyurethane (Grey)	High Density Blue Poly	Acrylic	V2104G272	V2106G272	V2108G272	V2110G272	V2112G272		Same features as V2100 black with grey color to blend with architectural elements
	Polyurethane (Grey)	High Density Blue Poly	Acrylic		V2206G272	V2208G272	V2210G272	V2212G272		Same features as V2200 black with grey color to blend with architectural elements
Single Coated (Thermalbond Xpress)	Polyurethane (Black)	Self-Wound	Acrylic	TBX104	TBX106	TBX108				Liner-less construction for reduced waste; coated face side allows for movement of glass during installation
	Polyurethane (Black)	Self-Wound	Acrylic	TBX204	TBX206	TBX208	TBX210	TBX212		Liner-less construction for reduced waste; coated face side allows for movement of glass during installation

Structural Glazing Spacing Tape Application



Your Partner in Custom Tape Solutions

A custom tape solution can pay for itself many times over thanks to the process and product improvements it can provide. Tape development engineers will work with partners to design an economical but highly effective tape product.

Even with endless permutations of industrial tapes available there is only one company that can deliver a custom-made tape with optimal adhesive, the perfect backing materials, seamless process integration and superb performance.

To learn more about how **Saint-Gobain** can help solve tape and materials engineering challenges, call us or visit us online.

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