



Tape Solutions for Window Fabrication



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Saint-Gobain, a leader in the construction market, provides a wide range of tapes to support the fabrication of window systems, including glazing, bonding of muntin grills and welding of PVC lineals. **Norseal**[®] Gasketing Foam Tapes are an ideal solution for glazing and other sealing needs. **Norbond**[®] Bonding Tapes are proven performers in the attachment of window grills in creating the simulated divided lites. **CHR**[®] Specialty Adhesive Tapes aid in efficient fabrication of vinyl window frames and delivering high quality welds at the window joints.

Glazing Tapes

Products: PVC closed-cell foam tapes

Function: Residential and commercial window glazing

Features: AAMA 810.1 approved, available in single- or double-side adhesive

Norseal PVC Foam Tapes are ideal for residential and commercial glazing applications. Available in multiple thicknesses, these PVC tapes are designed to withstand weathering and oxidation over time.

Norseal V980 and V990 closed-cell foam tapes with high-performance adhesive on both sides are ideal for sealing glass into framing systems. For 40+ years, **Norseal** Foam Tape has offered proven performance in the window glazing market, making it the preferred choice in a variety of glazing applications. Both V980 (with paper release liner) and V990 (with poly release liner) exceed AAMA 810.1 requirements for residential and commercial glazing needs. The PVC foam core accommodates moderate joint movement for larger commercial lites & modest high rise buildings due to thermal cycling and wind loads. The closed-cell elastomer structure ensures an effective water seal while the pressure sensitive acrylic adhesive has outstanding bond strength to glass, wood, aluminum and vinyl surfaces.

Norseal V740 and V780 are closed-cell foam tapes with pressure sensitive adhesive on one side. Designed for interior glazing, these tapes are also a good fit when the system requires the need for repositioning of the glass lite. V740 is positioned as the general construction grade foam tape while V780 has enhanced UV resistance for improved weathering.

Muntin Bar Attachment Tapes

Products: Polyurethane foam bonding tapes, acrylic foam bonding tapes

Function: Bonding of muntin grills

Features: High tensile strength, pass and exceeds rating for 7 day/2.2 lb static shear test

Norbond Bonding Tapes are excellent options for bonding and assembly of muntin bars to windows to create simulated divided-lite appearances. These tapes feature a pressure sensitive acrylic adhesive that adheres strongly to a wide variety of substrates common for the application, such as painted metals, wood and glass.

Norbond A7600 features a gray acrylic foam core that allows for greater elongation capability, making it the best choice for longer muntin bar pieces or materials that will see dimensional changes due to thermal expansion. A specially formulated pressure sensitive adhesive exhibits strong quick-stick characteristics and high adhesion capability in a short-term period, speeding up assembly.

Norbond V2800 features a black polyurethane foam core that has high conformability to help with adhesive to surface contact. The color allows the product to hide in the sight-line, creating a pleasing visual aesthetic, while the pressure sensitive acrylic adhesive provides secure long-term bonding performance.

Vinyl Welding Tapes

Products: PTFE glass tapes with silicone adhesive

Function: Window welding release

Features: Range of substrate options, performs in temperatures up to 500°F

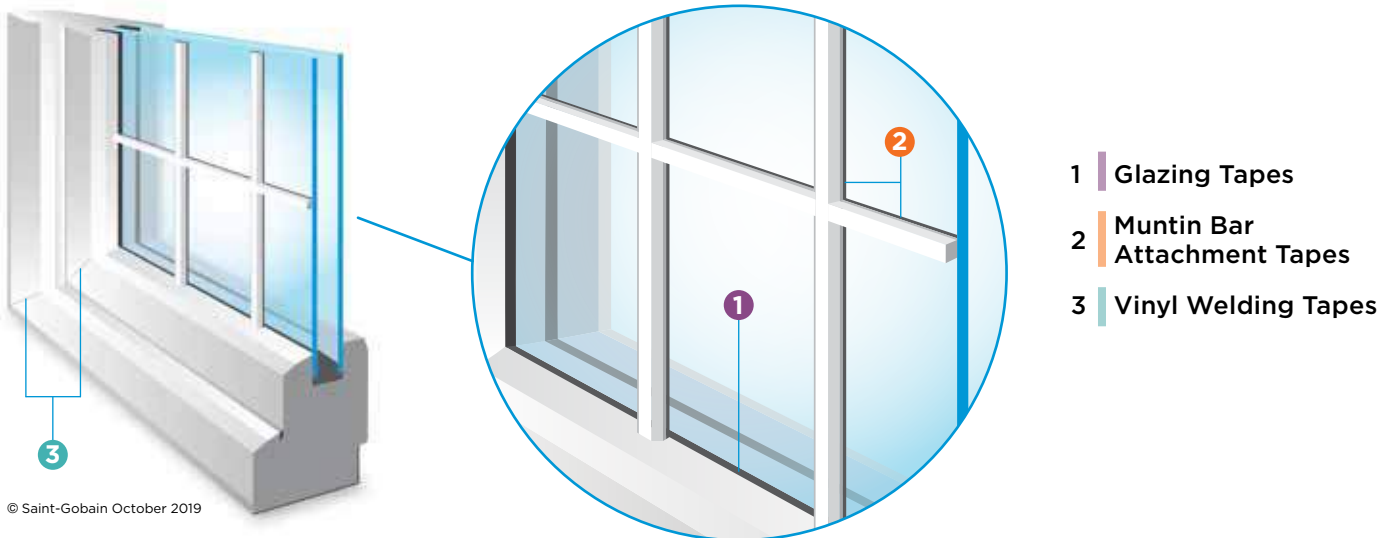
CHR Vinyl Welding Tapes are dimensionally stable to ensure they stay in place during exposure to temperatures up to 500°F. The high temperature silicone adhesive used on these tapes will continue to perform for up to 8 hours at 500°F. The PTFE tape surface will consistently perform as a non-stick surface for molten PVC to ensure a high quality frame joint.

Saint-Gobain offers a full range of PTFE glass tapes designed for window welding release surfaces. Thicknesses from 6 mil to 14 mil are available in various grades. SGC6-6R is a premium laminate construction tape with higher PTFE content compared to traditional PTFE glass tapes, making it the highest performing and longest lasting option available. SG05, SG15, SG25 and SG35 offer different grades of PTFE coated glass tapes with various amounts of PTFE content for diverse performance and cost selections.

Material Selection Guide

| Type | Backing Material | Product Code | Liner | Color | Total Thickness in (mm) | Width in (mm) | Length ft (m) | Peel Adhesion (stainless steel) lb/in (N/cm) | Tensile Strength N/cm | Tensile Adhesion psi (N/cm ²) | Density lb/ft ³ (kg/m ³) | Compression Force Deflection psi (kPa) | Product Features | |
|-----------------------------|---------------------------|------------------|-----------------------------|-----------------------------|---|-----------------------------|----------------------------|--|-----------------------|---|---|--|---|--|
| Glazing Tapes | PVC | V980 | Paper Release | Black, Gray | 0.031, 0.063, 0.125, 0.188, 0.25 (0.8, 1.6, 3.2, 4.8, 6.4) | 0.25 to 56 (6.4mm to 1.48M) | 50 to 200 Gauge Dependent | — | — | — | 15 (240) | 7.8 (54) | AAMA 810.1 approved, closed-cell resilient foam, adhesive 2 sides | |
| | | V990 | Poly Release | Black, Gray, White | 0.031, 0.063, 0.125, 0.188, 0.25 (0.8, 1.6, 3.2, 4.8, 6.4) | 0.25 to 56 (6.4mm to 1.48M) | 50 to 200 Gauge Dependent | — | — | — | 15 (240) | 7.8 (54) | | |
| | | V740 | Paper | Black, Gray | 0.063, 0.125, 0.188, 0.25, 0.375 (1.6, 3.2, 4.8, 6.4, 9.5) | 0.25 to 56 (6.4mm to 1.48M) | 50 to 200 Gauge Dependent | — | — | — | 9 (144) | 2 (14) | Closed-cell resilient foam, adhesive 1 side | |
| | | V780 | Paper | Black | 0.063, 0.125, 0.188, 0.25, 0.375 (1.6, 3.2, 4.8, 6.4, 9.5) | 0.25 to 56 (6.4mm to 1.48M) | 50 to 200 Gauge Dependent | — | — | — | 9 (144) | 2.5 (17.2) | | |
| Muntin Bar Attachment Tapes | Acrylic | A7600 | Poly Release | Gray | 0.045 (1.1) | 0.25 to 31.5 (6.4 to 800) | 108 (33) | 19 (34) | — | 83 (572) | — | — | High elongation gray core, quick-stick to a variety of surfaces | |
| | PUR | V2800 | Poly Release | Black | 0.030, 0.045, 0.062, 0.090, 0.120 (0.8, 1.2, 1.5, 2.3, 3.0) | 0.25 to 56 (6.4mm to 1.48M) | 100 to 200 Gauge Dependent | 12 (21) | — | 130 (896) | — | — | Conformable black foam core, high tensile adhesion | |
| Vinyl Welding Tapes | PTFE Glass Cloth Laminate | SGC6-06R | Yellow Dimple | Copper | 0.008 (0.203) | 0.25 to 36 (6.4 to 914) | 108 (33) | 3.1 (5.5) | 125 (219) | — | — | — | Premium Chemlam [®] substrate with enhanced abrasion resistance and thick PTFE layer for longer life. Highest performing product for window | |
| | | PTFE Glass Cloth | SG05-05 | Liner-less or Yellow Dimple | Brown | 0.007 (0.178) | 0.25 to 39 (6.4 to 990) | 108 (33) | 3.4 (6.0) | 175 (306) | — | — | — | Premium PTFE grade coated glass backing with high PTFE content for extended life |
| | | | SG05-06 | | | 0.008 (0.203) | 0.25 to 39 (6.4 to 990) | 108 (33) | 3.4 (6.0) | 175 (306) | — | — | — | |
| | SG05-10 | | 0.012 (0.305) | | | 0.25 to 39 (6.4 to 990) | 108 (33) | 3.8 (6.5) | 250 (438) | — | — | — | | |
| | PTFE Glass Cloth | SG15-05 | Liner-less or Yellow Dimple | Brown | 0.007 (0.178) | 0.25 to 39 (6.4 to 990) | 108 (33) | 3.8 (6.5) | 150 (263) | — | — | — | High-performance grade PTFE coated glass backing with high PTFE content for extended life. 14 mil substrate available for maximum durability | |
| | | SG15-06 | | | 0.008 (0.203) | 0.25 to 39 (6.4 to 990) | 108 (33) | 4.1 (7.1) | 150 (263) | — | — | — | | |
| | | SG15-14 | | | 0.017 (0.432) | 0.25 to 39 (6.4 to 990) | 108 (33) | 5.0 (8.7) | 400 (700) | — | — | — | | |
| | PTFE Glass Cloth | SG25-05 | Liner-less or Yellow Dimple | Brown | 0.007 (0.178) | 0.25 to 39 (6.4 to 990) | 108 (33) | 3.8 (6.5) | 150 (263) | — | — | — | Primary grade PTFE coated glass backing, best balance between performance and cost | |
| | | SG25-06 | | | 0.008 (0.203) | 0.25 to 39 (6.4 to 990) | 108 (33) | 4.1 (7.1) | 150 (263) | — | — | — | | |
| | | SG25-10 | | | 0.012 (0.305) | 0.25 to 39 (6.4 to 990) | 108 (33) | 5.0 (8.7) | 250 (438) | — | — | — | | |
| | PTFE Glass Cloth | SG35-05 | Liner-less or Yellow Dimple | Brown | 0.007 (0.178) | 0.25 to 39 (6.4 to 990) | 108 (33) | 3.8 (6.5) | 150 (263) | — | — | — | Industrial grade PTFE coated glass backing, most economical option | |
| | | SG35-06 | | | 0.008 (0.203) | 0.25 to 39 (6.4 to 990) | 108 (33) | 4.1 (7.1) | 150 (263) | — | — | — | | |
| SG35-10 | | 0.011 (0.279) | | | 0.25 to 39 (6.4 to 990) | 108 (33) | 5.0 (8.7) | 250 (438) | — | — | — | | | |

Window Fabrication Tape Applications



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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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 misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: For a period of 6 months, Saint-Gobain warrants this product(s) to be free from defects in manufacturing. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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