

# **SGT-900 Series**

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# SGT-900 Series

## Structural Glazing Tapes

### Product Description

Tremco SGT-900 Series Structural Glazing Tapes are open cell high density polyurethane foam tapes with a micro-cellular structure.

### Basic Uses

Tremco SGT-900 Series Structural Glazing Tapes have been specifically developed to be utilized as a compatible spacer for Structural Glazing Systems.

Tremco requires review of project details and adhesion/compatibility testing of all structural components. Drawings and samples should be forwarded to Tremco Technical Services for approval prior to initiation of work.

### Packaging

Tremco SGT-900 Series Structural Glazing Tapes are supplied on rolls packaged in cartons. The length of the rolls and number of rolls in a carton depend on the thickness and width of the foam tape.

Available thickness:

1/8 in. (3.18mm)

3/16 in. (4.76mm)

1/4 in. (6.35mm)

5/16 in. (7.93mm)

3/8 in. (9.52mm)

1/2 in. (12.70mm)\*

\*Not available in SGT-922

### INSTALLATION

To assure that the proper adhesive properties are achieved, it is necessary to clean the mounting surfaces with a clean rag saturated with an approved solvent, such as, but not limited to Methyl Ethyl Ketone (MEK) and/or Isopropyl Alcohol (IPA). Do not allow solvent to air dry. Immediately follow the solvent wipe with a dry wipe with a clean cloth.

Caution must be exercised in the tape placement as once the adhesive contacts the mounting surface, it becomes difficult to adjust or remove.

For structural silicone glazing, the standard minimum joint configuration is 1/4 in. x 1/4 in. (6.35mm x 6.35mm). However, there may be applications where a thinner tape may be used in conventional glazing applications. The tape width can not be less than the tape thickness and the minimum width is 1/4 in. (6.35mm).

Tremco's SGT tapes are available with adhesive on two sides. Tape with adhesive on one side is available on request. This product should not be used in place of temporary fasteners.

### Availability/Cost

Tremco SGT-900 Series Structural Glazing Tapes are available in a wide variety of sizes with pressure sensitive adhesive on one side or opposite surfaces and is supplied with a protective release liner covering the adhesive coated surfaces. Cost may

## TYPICAL PHYSICAL PROPERTIES

Properties	Test Method	921	922
Color		Black	Black
Density (lbs./cu. ft.)	ASTM D 1667	31	22
Hardness (Shore A)	ASTM D 2240	35	30
Tensile Strength (psi)	ASTM D 412	180	130
Force to Compress 10% (psi)	ASTM D 1667	31	16
Ultimate Elongation (%)	ASTM D 412	125	105
Thermal Conductivity ( BTU (in.) Sq. Ft. (Hr.) °F )	ASTM C 518	.55	.55
Adhesive Properties			
Dynamic Tensile (psi)	*TRS-ST/839	55	45
Dynamic Shear (psi)	*TRS-ST/840	40	30
*Tremco Research Standard - Standard Test			
Application Temp.		40 - 125°F (4 - 52°C)	
Service Temp.		-40 - 180°F (-40 - 82°C)	

be obtained from your local Tremco Sales Representative, or by contacting Tremco's Customer Service Department in Ashland, Ohio, at 800-321-6357 or in Canada at 800-363-3213.

## Precautions

User should refer to product labels and Material Safety Data Sheets for information on safe use and storage.

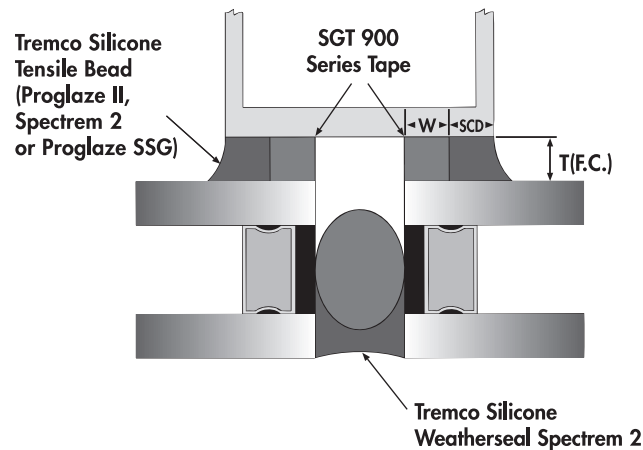
## Limitations

Tremco SGT-900 Series Structural Glazing Tape adhesive properties of the coating must not be used as part of the structural silicone surface contact calculations, or as temporary retainers. Tremco SGT-900 Series Structural Glazing Tapes are not intended for use as the primary seal in conventional glazing systems.

## Warranty

Tremco warrants its Products to be free of defects in material. But makes no warranty as to appearance or color. Since method of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Products. Tremco's sole obligation shall be at, its option, to replace, or to refund the purchase price of the quantity of Tremco Products proven to be defective and Tremco shall not be liable for any loss or damage.

Please refer to our website at [www.tremcosealants.com](http://www.tremcosealants.com) for the most up-to-date Product Data Sheets.



T = Sealant/Tape Thickness 1/4" min. (6.35mm)  
SCD = Surface Contact Depth 1/4" min. (6.35mm)  
W = Width of Tape (Adhesive side)





TREMCO MATERIAL SAFETY DATA SHEET

1 - PRODUCT INFORMATION

READ ALL DATA BELOW CAREFULLY FOR SAFER USE

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TRADE NAME : SGT 920 FOAM TAPE  
CODE NUMBER : 082-LINE  
WHMIS CLASS : NOT CONTROLLED  
P.I.N. : N.R.  
PRODUCT USE : Foam tape  
DISTRIBUTOR:  
TREMCO CANADA DIVISION, RPM CANADA  
220 WICKSTEED AVE  
TORONTO, ONTARIO, M4H 1G7  
EMERGENCY PHONE: 613-996-6666

2 - HAZARDOUS INGREDIENTS

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Ingredient : %Wt./wt. : CAS Number : LD50 mg/kg : LC50 mg/m3  
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No hazardous ingredients according to WHMIS criteria

3 - PHYSICAL DATA

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APPEARANCE : Rubber foam tape  
ODOUR : Negligible  
SOLUBILITY IN WATER : Negligible  
VAPOUR DENSITY : Not Applicable  
EVAPORATION RATE : Not Applicable  
SPECIFIC GRAVITY : Not Av.  
PERCENT VOLATILE WT/WT: Not applicable  
ADDITIONAL INFORMATION: No Information.

4 - FIRE OR EXPLOSION HAZARD

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FLASH POINT: Not applicable (NON FLAMMABLE SOLID BY WHMIS CRITERIA)  
MEANS OF EXTINCTION: If water is ineffective, use carbon dioxide, dry chemical or foam.  
CONDITIONS OF FLAMMABILITY: Very high heat and ignition sources may produce combustion.  
HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes, oxides of carbon.

5 - TOXICOLOGICAL PROPERTIES

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ROUTES OF ENTRY: SKIN CONTACT  
ACUTE EXPOSURE EFFECTS: EYES: No effects anticipated. SKIN: No effects anticipated.  
INHALATION: No effects anticipated. INGESTION: No effects anticipated.  
CHRONIC EXPOSURE EFFECTS: No serious long term effects anticipated with normal precautions.  
NOTES: Not applicable

6 - FIRST AID: Get immediate medical attention for any significant overexposure

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GENERAL FIRST AID: INHALATION: Not required under normal conditions of use. INGESTION:  
Generally not required. No serious effects anticipated. EYES: Generally not required.  
Flush with water as necessary to remove contaminants. SKIN: Generally not required.

7 - REACTIVITY DATA

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STABILITY CONDITIONS: Not applicable.  
INCOMPATIBLE CLASSES: Not applicable under normal conditions of use.

8 - PREVENTIVE MEASURES

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PERSONAL PROTECTIVE EQUIPMENT: Generally not required under normal conditions of use.  
SKIN: Generally not required. Suitable protective apparel may be used to reduce contact.  
ENGINEERING CONTROLS: Not applicable.  
SPILLS LEAKS AND WASTE DISPOSAL: Transfer to suitable container for disposal.  
HANDLING AND STORAGE PROCEDURES: KEEP OUT OF REACH OF CHILDREN. No special handling or storage precautions.

9 - PREPARATION INFORMATION: Deleted subcategories have no information available

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PREPARED BY: Sewnauth Raghunandan DATE PREPARED: 08/25/03 TELEPHONE: 416-421-3300

**Tremco Incorporated**

3735 Green Road Beachwood, OH 44122 216.292.5000 www.tremcosealants.com



March 20, 2014

Re: Tremco® SGT-900 Series Tapes – LEED™ Product Information

To Whom It May Concern:

Tremco, as an organization, is committed to quality, responsive to internal and external customers, our employees, our community and environment, and we will treat all with respect and good stewardship.

**Material Manufacturing Location:**

All SGT-900 Series Tapes are made in Ashland, Ohio. Should your job site be within 500 straight-line miles of Ashland, this material will help contribute positively towards the Locally Manufactured Material Credit.

**Raw Material Extraction Information:**

No single extracted material is used to produce the majority of this product. Additionally, all raw materials come from one of several sources which in-turn come from one of several raw material feed stocks. As such, point source for the raw materials cannot be determined.

**Recycled Content Information (by weight: All in Product):**

1 case 0.80% (All post-consumer)

**VOC Content Information:**

SGT-900 Tapes contain 0 g/L volatile organic content (VOC) and therefore satisfy the LEED criteria for Indoor Environmental Quality.

Should you have any questions or require additional information, please do not hesitate to contact Technical Services.

Sincerely,

A handwritten signature in blue ink, appearing to read "Amy Woodard".

Amy Woodard  
Product Steward  
Compliance and Regulatory

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**Technical Service Bulletin No. S-05-04**

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**Structural Glazing Sealants and Gaskets**

**COMPATIBILITY AND ADHESION IN GLAZING SYSTEMS**

The adhesion and compatibility of a sealant with the other components within a glazing pocket are critical to the long-term performance of the glazing system. Tremco markets a range of silicone sealants, glazing gaskets and other glazing components (edge & setting blocks), specifically formulated to be fully compatible for use in these types of applications. Silicone sealants including Spectrem® 2, Proglaze® SSG, and Proglaze® II are specifically suited for this application. The gaskets and other components include silicone rubber extrusions, SCR silicone compatible rubber extrusions, and our SGT-900 and SGT-2000 Series Structural Glazing Tapes to name a few.

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The issue of compatibility is most critical in structural silicone glazing. Structural glazing applications are governed by industry and manufacturing specific guidelines and limitations. These guidelines dictate that gaskets or tapes in direct contact with the structural silicone bead be fully compatible for continuous contact with the silicone, and impart no detrimental effect to the physical properties of the silicone over time. Tremco Silicone extrusions, Silicone Compatible Rubber extrusions, and the SGT-900 & SGT-2000 Series Tapes are specifically developed to be utilized as a compatible spacer for these structural silicone glazing systems. Use of these materials should be coordinated through your Tremco Sales Representative and Tremco Technical Services to ensure their proper specification and use.

When components other than Tremco are incorporated in a structurally glazed system that is using a Tremco structural silicone, compatibility testing must be performed on that accessory. Tremco laboratories will perform this testing and provide documentation to the customer regarding compatibility and suitability for intended use.

Additionally, Tremco silicone sealants are compatible with most common metal finishes used in the building industry, and will adhere well to these substrates. It is strongly recommended that laboratory and/or field adhesion testing be done prior to final installation. In addition, for structural glazing applications, Tremco requires substrate samples be sent to our labs for adhesion testing and recommendations on surface preparation.