



DOWSIL™ Spacer Tapes for Structural Glazing

High density, semi-rigid, double coated polyurethane foam tape with film liner

Features & Benefits

- Meets ASTM D-3330 (90°Peel); Strong Adhesion Performance
- Meets ASTM D-1002; High Dynamic Shear Strength
- Meets ASTM D-897
- Meets ASTM D-3654; High Static Shear Performance
- Pre-Approved with all Dow Façade products
- Compatible to SG, IG, WS Silicones from Dow
- Any specific size possible
- Exclusive use of high-grade pure acrylate ensures excellent shear resistance on surfaces consisting of glass, steel and anodized aluminum
- Good weather resistance and stability against UV-radiation
- Compatible with all important commercially available structural glazing silicones from Dow
- Ideal as spacer device in conjunction with silicone bonding technology for residential window fabrication

Composition

- High density, semi-rigid, double coated polyurethane foam tape with film liner

Applications

- DOWSIL™ Spacer Tapes for Structural Glazing is specially formulated for many outdoor mounting and joining application, including spacer tape for structural glazing. It has especially excellent bonding strength and high holding power on LSE (low surface energy) materials such as PVDF coated panel without primer in most cases.

Method of Application

Bond strength is dependent upon the amount of surface contact area of applied tape. Firm application pressure helps develop better adhesive contact and improve bond strength.

To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Typical surface cleaning solvents are isopropyl alcohol and water (rubbing alcohol) or heptane.

Note: Be sure to follow manufacturer's safety precautions and directions for use when using solvents.

Ideal tape application temperature range is 70°F To 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) or over 50°C is not recommended because the adhesive becomes too firm or soft to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test ¹	Property	Unit	Result
	Adhesive Type		Acrylic
	Tape thickness	mm	6.4/8.0/9.5/12.5 - Tolerance ±0.3
	Tape color		Dark Gray
	Carrier type		Polyurethane foam (open cell)
	Release liner		Blue film liner
	Roll length	m	7.3
	Foam hardness	Shore A	35
	Slitting tolerance	mm	+/- 0.8
	Tape density	kg/m ³	470
ASTM D-3330 (90°Peel)	Peel adhesion: room temp. 72 hr aging, jaw speed: 305 mm/min		
	Stainless steel	g/12.7 mm	500
	PVDF	g/12.7 mm	300
ASTM D-1002	Dynamic shear to stainless steel: with A1 strip room temp. 72 hr aging, Jaw speed: 12.7 mm/min	psi	40
ASTM D-897	Normal tensile to T-block (A1 to A1): room temp. 72 hr aging, jaw speed: 50.8 m/min	psi	35
ASTM D-3654	6.45 cm ² overlap at RT 1000 grams loadingstatic shear to stainless steel	minutes	10,000+

1. ASTM – American Society for Testing and Materials.

Description

DOWSIL™ Spacer Tape for Structural Glazing meets the requirements of: ASTM D-3330 (90°Peel), ASTM D-1002, ASTM D-897, ASTM D-3654.

Application Ideas

- Spacer tape for glass glazing system
- Temporary gap filling
- Damping pad
- Curtain wall spacer tape
- General purpose joining system

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

DOWSIL™ Spacer Tapes for Structural Glazing has a shelf life of 12 months from date of manufacture when stored in original cartons at room temperature

Limitations

If the DOWSIL™ Spacer Tapes for Structural Glazing is provided to be defective:

THE EXCLUSIVE REMEDY, AT DOWSIL™ SPACER TAPES FOR STRUCTURAL GLAZING'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF REPAIR OR REPLACE THE DEFECTIVE DOWSIL™ SPACER TAPES FOR STRUCTURAL GLAZING.

DOWSIL™ Spacer Tapes for Structural Glazing shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the theory asserted, including negligence, warranty, or strict liability.

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health And Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, consumer.dow.com or consult your local Dow representative.

consumer.dow.com

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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