DOWSIL™ Spacer Tapes for Structural Glazing

- High-density, semi-rigid, double-coated polyurethane foam tape with film liner
- Compatible to SG, IG, WS and all commercially available structural glazing silicones from Dow and Pre-Approved with all Dow Façade products
- Exclusive use of high-grade pure acrylate ensures excellent shear resistance on surfaces consisting of glass, steel and anodized aluminium
- Good weather resistance and stability against UV-radiation
- Ideal as a spacer device in conjunction with silicone bonding technology for residential window fabrication

APPLICATIONS

SPACER TAPE FOR GLASS GLAZING SYSTEM, TEMPORARY GAP FILLING, DAMPING PAD, CURTAIN WALL SPACER TAPE, GENERAL PURPOSE JOINING SYSTEM.

DOWSIL™ Spacer Tapes for Structural Glazing is specially formulated for many outdoor mounting and joining applications, 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 panels without primer in most cases.

Typical Physical Properties

Property	Value
Adhesive Type	Acrylic
Thickness options	3.2mm, 4.8mm, 6.4mm, 8mm, 9.5mm, 12.5mm. Tolerance ±0.3
Width options	6mm, 9mm, 12mm and custom
Density: kg/m3	470
Tape color	Dark Gray
Hardness: Shore A	35
Carrier type	Polyurethane foam (open cell)
Release liner	Blue film liner
Roll length	7.3Mtr
Slitting tolerance	+/- 0.8mm

DOWSIL™ Spacer Tapes Tests and Typical Physical Properties

DOWSIL™ Spacer Tape for Structural Glazing is designed to meet or exceed several ASTM (American Society for Testing and Materials) standards for adhesive performance, including:
ASTM D-3330 (90°Peel); Strong Adhesion Performance
ASTM D-1002; High Dynamic Shear Strength
ASTM D-897
ASTM D-3654; High Static Shear Performance

Property	Result
ASTM D-3330 (90°Peel)	Peel adhesion: room temp. 72 hr aging, jaw speed: 305 mm/min
Stainless steel	500 g/12.7 mm
PVDF	300 g/12.7 mm
ASTM D-1002: Dynamic shear to stainless steel: with A1 strip room temp. 72 hr aging, Jaw speed: 12.7 mm/min	40 psi
ASTM D-897: Normal tensile to T-block (A1 to A1): room temp. 72 hr aging, jaw speed: 50.8 m/min	35 psi
ASTM D-3654: 6.45 cm2 overlap at RT 1000 grams loadingstatic shear to stainless steel	10,000+ minutes

Usable Life and Storage:
DOWSIL™ Spacer Tapes for Structural Glazing have a shelf life of 12 months from the 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, The producer of the product "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 browse consumer.dow.com .

DOWSIL™ Spacer Tapes Application Guide

The following are the recommended steps for the application of DOWSIL™ Spacer Tapes for Structural Glazing:

1. Ensure that the bonding surfaces are clean, dry, and well-unified. This can be achieved by using isopropyl alcohol (rubbing alcohol) or water or heptane as a cleaning solvent. Be sure to follow the manufacturer's safety precautions and directions for use when using solvents.
2. The ideal temperature range for tape application is between +21°C to +38°C. Do not apply the tape to surfaces at temperatures below +10°C or over +50°C as the adhesive may become too firm or soft to adhere readily. However, once properly applied, low-temperature holding is generally satisfactory.
3. Cut the tape to the required length and apply it to the surface, ensuring that the tape is aligned and level.
4. Firmly press the tape onto the surface, making sure that it is in full contact with the surface to maximize the adhesive contact and improve the bond strength.
5. After the tape is applied, it is recommended to use a roller or a squeegee to apply pressure to the tape. This helps to ensure that the tape is fully adhered to the surface and that any air bubbles are removed.
6. Once applied, the tape should be left to cure for at least 24 hours before any further handling or use.

Following these recommended steps will help ensure that the DOWSIL™ Spacer Tapes for Structural Glazing are properly applied and provide the desired bond strength and holding power.