



Technical Data Sheet

DOWSIL™ Silicone Transition System

Preformed silicone seal strip and molded pieces for flashing and transition applications for weatherproofing against air and water infiltration

Features & Benefits

- Provides high-movement seal capability of +200/-75 percent at transition openings
- High-shear movement seal capable of handling specified live loads, wind sway and seismic movements in properly designed openings
- Provides an easy to install transition system when used in combination with DOWSIL™ 758 Silicone Weather Barrier Sealant, DOWSIL™ 756 SMS Building Sealant, DOWSIL™ 795 Silicone Building Sealant, and DOWSIL™ 791 Silicone Building Sealant
- Available in clear for ease of quality control and assurance of good sealant application
- Mechanical fastening is not required

Composition

- Preformed silicone elastomer extrusion

Applications

DOWSIL™ Silicone Transition System is specifically designed for sealing weather barrier membranes to adjacent curtain walls, store fronts, or windows. The transition flashing can be installed for in-plane, in-board, or out-board installations, and molded corners allow for easier installations without folding and overlapping sheet material. Highlights include:

- Long term durability and adhesion of the transition strip and molded parts using DOWSIL™ 758 Silicone Weather Barrier Sealant, DOWSIL™ 756 SMS Building Sealant, DOWSIL™ 795 Silicone Building Sealant, or DOWSIL™ 791 Silicone Building Sealant as appropriate for the substrate
- A leak free transition seal
- Reliable method to flash openings when used in conjunction with DOWSIL™ 758 Silicone Weather Barrier Sealant, specifically designed for adhesion to low energy materials such as polyethylene, a common top sheet material for self-adhered flashings
- Can be applied and adhered solely with sealant

Typical Properties

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

Test ¹	Property	Unit	Result
As Supplied – Cured Rubber Strip Extrusion			
ASTM D 2240	Durometer Hardness, Shore A	points	53
ASTM D 412	Tensile Strength	psi (MPa)	800 (5.5)
ASTM D 412	Elongation	percent	400
ASTM D 624	Tear Strength, die B	ppi (kN/m)	200 (35)
As Supplied – Cured Molded Corner			
ASTM D 412	Tensile Strength	psi (MPa)	1200 (8.3)
ASTM D 412	Elongation	percent	340
ASTM D 624	Tear Strength, die B	ppi (kN/m)	90 (16)

1. ASTM: American Society for Testing and Materials.


**SEALANT - WATERPROOFING
& RESTORATION INSTITUTE**

Issued to: Dow Silicones Corporation
Product: DOWSIL® Silicone Transition Strip

ASTM C 1523: Determining Modulus, Tear and Adhesion Properties of Pre-cured Elastomeric Joint Sealants

Movement, Cohesion & Adhesion: 200%

Dry/Room Temperature Loss of Adhesion/Cohesion	Pass ✓
Water Immersion Loss of Adhesion/Cohesion	Pass ✓
Frozen Loss of Adhesion/Cohesion	Pass ✓
Heat Loss of Adhesion/Cohesion	Pass ✓
Artificial Weathering Loss of Adhesion/Cohesion	Pass ✓

Tear Propagation: T-Tear, NT - No Tear, PT - Partial Tear

ASTM D 412: Vulcanized Rubber and Thermoplastic Elastomers - Tension

Ultimate Elongation Results: 435%

Validation Date: 6/3/2024 – 6/2/2029

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PRE-CURED SEALANTS VALIDATION
www.swrionline.org

Handling Precautions

This product is considered an Article as outlined in OSHA's Hazardous Communication Standard (29 CFR 1910.1200), and thus is not required to have a Safety Data Sheet (SDS). This product does not pose any health, physical, or environmental hazards as outlined under 29 CFR 1910.1200 (Hazard Communication).

This product is not regulated under the Canadian Controlled Products Regulations.

Packaging Information

DOWSIL™ Silicone Transition Strip is available in 150, 100 and 75 linear feet (LF.) rolls. Standard stocked sizes include widths and thickness of 4" x 0.039" (150 LF. roll), 6" x 0.051" (100 LF. roll), 9" x 0.051" (100 LF. roll), and 12" x 0.051" (75 LF. roll) in clear. DOWSIL™ Silicone Molded Corner's and Silicone Transition Inside Molded Corner are available with the dimensions shown in Figure 1, Figure 2 and Figure 3.

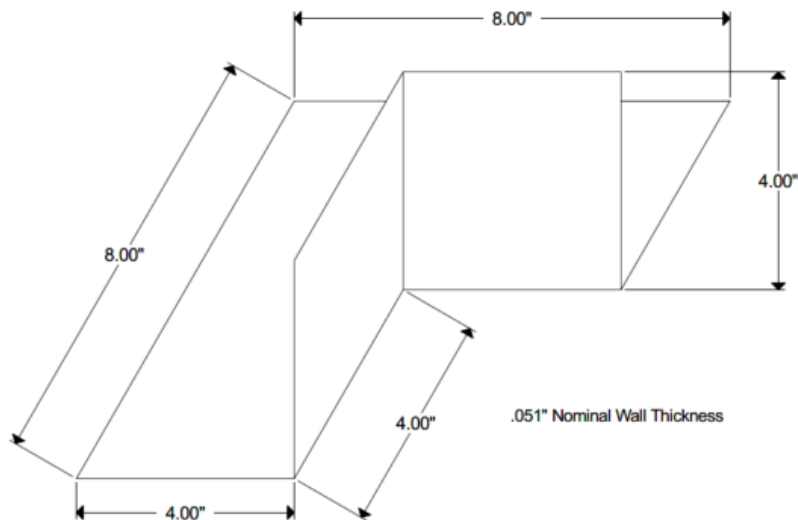


Figure 1: DOWSIL™ Silicone Molded Corner – 4 inch

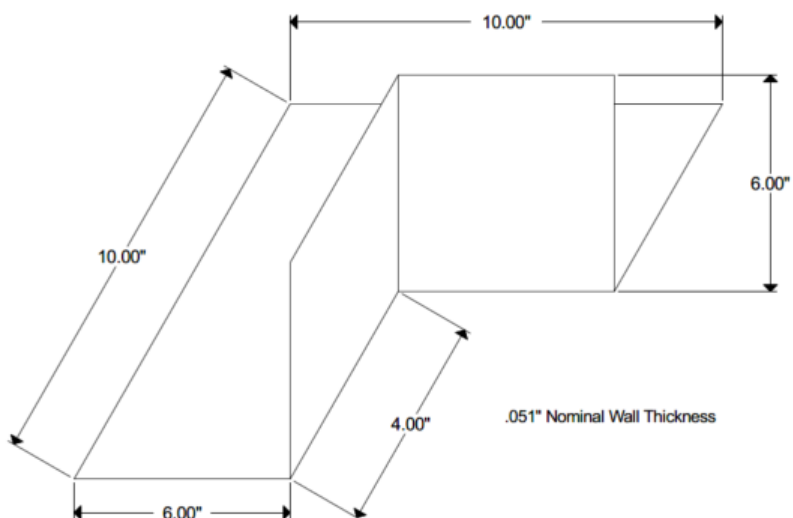


Figure 2: DOWSIL™ Silicone Molded Corner – 6 inch

Packaging Information (Cont.)

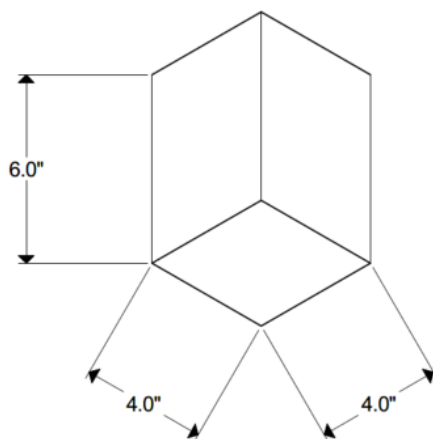


Figure 3: Silicone Transition Inside Molded Corner

Limitations

DOWSIL™ Silicone Transition System is not intended for use:

- With any sealant other than DOWSIL™ 758 Silicone Weather Barrier Sealant, DOWSIL™ 756 SMS Building Sealant, DOWSIL™ 795 Silicone Building Sealant, and DOWSIL™ 791 Silicone Building Sealant
- In below-grade applications

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, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow unless noted otherwise in the Handling Precautions section of the technical datasheet.

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