



Technical Data Sheet

DOWSIL™ 778 Silicone Liquid Flashing

Single component silicone sealant for weatherproofing at window and door openings and other building transitions.

Features & Benefits

- Compatible with DOWSIL™ Air Barriers
- Compatible with other weather barrier types including self adhering and liquid applied membranes
- Long tooling time to facilitate workflow of prepping a whole window opening
- High durometer for abrasion resistance
- Durable, flexible silicone chemistry

Composition

- One part neutral cure silicone sealant

Applications

- Extended tooling time, primer typically not required over cut sheathing edges, and rugged cured properties make this an ideal choice for window and door flashing applications as well as general purpose sealing requirements for transition details behind the exterior facade.

Typical Properties

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

Test ¹	Property	Unit	Result
ASTM C661	Durometer Hardness, Shore A	points	40
CTM 98	Working Time	minutes	30
ASTM D412	Tensile Strength, Ultimate	psi	210
ASTM D412	Elongation	%	250
ASTM C794	Peel Strength	pli	> 15
ASTM C719	Joint Movement Capability	%	25
ASTM D4541	Adhesion to gypsum based sheathing, plywood, OSB, metals	psi	> 16
ASTM D 2202	Flow, Sag or Slump		nil

1. ASTM: American Society for Testing and Materials
CTM: Corporate Test Method, copies of CTM's are available on request.

Description

DOWSIL™ 778 Silicone Liquid Flashing provides a solution for sealing rough opening details and other building transitions. DOWSIL™ 778 Silicone Liquid Flashing utilizes silicone chemistry to offer a compatible transition and detailing sealant for use with DOWSIL™ barriers and other air barriers. DOWSIL™ 778 Silicone Liquid Flashing has aggressive adhesion to a wide variety of construction substrates including different types/brands of sheathing; cut edges of sheathing; concrete; brick; concrete masonry unit; and metals. It has also been uniquely formulated to offer a long tooling time for ease of workability when sealing large window or door openings, or long lengths of a transition joint. It is the ideal sealant for flashing window or door openings or when needing to seal difficult transitions between materials, behind the exterior façade.

How to Use

DOWSIL™ 778 Silicone Liquid Flashing is applied using a standard construction sausage gun designed for 20 fl-oz sausages. Substrates should be free of surface dust but do not require solvent cleaning. The flashing can be applied in ribbons of the sealant using a standard conical nozzle; or using a fan nozzle and laying down a wide bead. The flashing should then be tooled to a 20–50 mil thickness.



AV 22611

Figure 1: Application of DOWSIL™ 778 Silicone Liquid Flashing.

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

When stored at or below 90°F (32°C), DOWSIL™ 778 Silicone Liquid Flashing has a shelf life of 12 months from date of manufacture. Refer to the product packaging for “Use By” date.

Packaging Information

DOWSIL™ 778 Silicone Liquid Flashing is packaged in 20 fl oz (590 mL) E-Z Pak foil sausages.

UNRESTRICTED – May be shared with anyone

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Limitations

DOWSIL™ 778 Silicone Liquid Flashing should not be applied:

- In structural applications
- To surfaces that are continuously immersed in water
- In totally confined spaces because the sealant requires moisture to cure
- To surfaces in direct or indirect contact with food

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

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