



Technical Data Sheet

DOWSIL™ 750 Plastic Surface Adhesive Sealant

FEATURES & BENEFITS

- Excellent adhesion to a wide range of substrates including polymeric surfaces that are traditionally difficult to adhere to, such as polycarbonate, polypropylene and acrylic
- Priming not required on most surfaces
- Usable over wide temperature range
- UV resistant
- Excellent durability, does not become brittle or crack

COMPOSITION

- One part RTV, neutral-cure silicone sealant

Neutral one part silicone sealant, designed for adhering to difficult to bond, low surface energy substrates.

APPLICATIONS

- Sealing penetrations such as those with plumbing or ductwork
- Sealing other difficult to adhere surfaces such as mill finishes and plastics

TYPICAL PROPERTIES

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

Test	Property	Unit	Result
As Supplied			
CTM ¹ 0098	Working Time 25°C and 50% RH	min	15
ASTM ¹ C639	Flow, Sag or Slump	inches	0.11
EPA Method 24 ²	VOC Content	g/L	< 30
As cured – 21 days at 25°C (77°F) and 50% RH			
ASTM D2240	Durometer Hardness, Shore A		23–33
ASTM D412	Ultimate Tensile Strength	psi	> 150
ASTM D412	Ultimate Elongation	%	> 650
ASTM C794	Peel Strength:		
	Unprimed to Polycarbonate	ppi	> 20
	Unprimed to Polypropylene	ppi	> 30
	Unprimed to Acrylic	ppi	> 30
	Unprimed to Mill Finished Aluminum	ppi	> 20
	Unprimed to Acrylonitrile Butadiene Styrene (ABS)	ppi	> 20

¹CTMs (Corporate Test Methods) correspond to standard ASTM (American Society of Testing and Materials) tests in most instances. Copies are available upon request.

²VOC measured in accordance with EPA Method 24.

DESCRIPTION

DOWSIL™ 750 Plastic Surface Adhesive Sealant is a one part, neutral cure silicone available in white. It easily extrudes and cures at room temperature by reaction with moisture in the air to form a durable, flexible rubber seal.

This medium modulus sealant is specially designed for bonding hard to adhere, low surface energy substrates.

HOW TO USE

Surface Preparation

The application surface must be clean, dry, sound and frost-free. Mask adjacent surfaces and apply primer if required. Laboratory testing or field adhesion testing may be used to demonstrate primer requirements.

Application

Install sealant according to published guidelines. Ensure the surfaces to be sealed are free of dust, dirt, debris and contaminants. Apply primer as needed and allow to dry as needed. Apply and tool the sealant. DOWSIL 750 Plastic Surface Adhesive Sealant should be tooled prior to it skinning over. Standard dispensing tools may be used.

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

WWW.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 27°C (80°F), DOWSIL 750 Plastic Surface Adhesive Sealant has a shelf life of 12 months from the date of manufacture. Refer to product packaging for “Use By Date.”

PACKAGING INFORMATION

DOWSIL 750 Plastic Surface Adhesive Sealant is available in 300 ml cartridges.

LIMITATIONS

DOWSIL 750 Plastic Surface Adhesive Sealant should not be used:

- In below grade applications
- In structural application
- In continuous water immersion 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, www.consumer.dow.com or consult your local Dow representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

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