



Technical Data Sheet

DOWSIL™ 9-1350 Silicone Sealant

FEATURES & BENEFITS

- High green strength
- Fast cure
- Superior unprimed adhesion to wood, vinyl, fiberglass, anodized aluminum and glass window components
- One-part, neutral cure formulation
- Excellent weather resistance against sunlight, rain, snow and temperature extremes
- Low VOC (13 g/L)
- Low shrink
- AAMA certified

COMPOSITION

- One-part, neutral-cure RTV silicone sealant

Fast-cure sealant for automated glazing applications

APPLICATIONS

The fast-cure nature of DOWSIL™ 9-1350 Silicone Sealant makes it ideally suited for automated glazing systems, resulting in improved throughput and production. Besides its primary use as a back-bedding sealant, this sealant can also be used in cap, toe and heel bead applications.

TYPICAL PROPERTIES

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

Test	Property	Unit	Result
Uncured¹			
CTM ² 0044	Specific Gravity		1.40
ASTM C 603	Extrusion Rate	grams/minute	180–220
ASTM D 2202	Flow/Sag (Slump)	inch (mm)	< 0.2 (< 5.2)
CTM 0098	Working (Skin-Over) Time	minutes	4–8
ASTM D 2377	Tack-Free Time	minutes	5–9
As Cured – After 7 days at 24°C (75°F) and 50% RH			
ASTM C 661	Durometer, Shore A	points	35
ASTM D 412	Tensile Strength	psi (kg/mm ²)	240 (0.169)
ASTM D 412	Elongation	percent	350
ASTM D 412	Modulus, 100 percent	psi (kg/mm ²)	120 (0.084)
ASTM D 719	Movement Capability	percent	±25
ASTM C 711	Temperature Range	°C	-40 to 149
		°F	-40 to 300
ASTM C 793	UV Resistance, QUV		Excellent

¹Uncured typical properties as produced and tested at manufacturing plants.

²CTMs (Corporate Test Methods) correspond to standard ASTM tests in most instances. Copies of CTMs are available upon request.

DESCRIPTION

DOWSIL 9-1350 Silicone Sealant is a one-part, neutral-cure RTV sealant formulated to meet the demanding requirements of a back-bedding sealant for the high-speed manufacturing of windows and doors. Specially formulated to quickly develop high green strength, DOWSIL 9-1350 Silicone Sealant can increase

throughput and productivity with faster unit handling.

DOWSIL 9-1350 Silicone Sealant is available in white, gray and black.

APPROVALS/ SPECIFICATIONS

- AAMA 802.3-92 (Type I & II)
- ASTM C 920, Type S, Grade NS, Class 25, Use NT, A and G

HOW TO USE

Preparation

Surface should be clean and dry before sealant application.

Application

Material can be applied from drums using standard one-component pumping and dispensing equipment.

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

DOWSIL 9-1350 Silicone Sealant should be stored in a dry location below 32°C (90°F). When stored in original, unopened containers, DOWSIL 9-1350 Silicone Sealant has a shelf life of 9 months from date of manufacture. Refer to product packaging for "Use By" date.

PACKAGING INFORMATION

DOWSIL 9-1350 Silicone Sealant is available in cartridges and drums.

LIMITATIONS

DOWSIL 9-1350 Silicone Sealant is not intended for use:

- In spaces totally confined from atmospheric moisture during cure
- In continuous water immersion
- In below-grade applications
- In structural glazing applications
- As an insulating glass (IG) sealant
- On surfaces that will require painting or staining
- On surfaces that might bleed oils, plasticizers or solvents
- On frost-laden or wet surfaces
- In areas where abrasion or physical abuse are encountered
- When movement capability greater than 25 percent is required

Premature movement of the unit may affect system performance.

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

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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