

Silicone Sealants

Dow Corning® 1199 Silicone Glazing Sealant

FEATURES

- Fast cure
- Outstanding adhesion to wood, vinyl, fiberglass, aluminum and glass window components
- Excellent weather resistance against sunlight, rain, snow and temperature extremes
- 12-month shelf life from date of manufacture
- 10 standard colors as well as color-matched colors available
- AAMA certified

COMPOSITION

- One-part, neutral-cure RTV sealant

Fast-cure, one-part sealant ideal for automated glazing systems

APPLICATIONS

The fast-cure nature of *Dow Corning® 1199 Silicone Glazing Sealant* makes it ideally suited for automated glazing systems, resulting in improved throughput and productivity. Because of its outstanding adhesion, the product is excellent for use as a backbedding sealant on sash, as well as cap, toe or heel bead applications.

TYPICAL PROPERTIES

Specification Writers: Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Method	Test	Unit	Result
As Supplied – Uncured			
CTM ¹ 0044	Specific Gravity		1.04
CTM 0098	Working (Skin-Over) Time	minutes	4-7
ASTM D 2377	Tack-Free Time	minutes	10-20
CTM 0663	Deep Section Cure, after 24 hours	inches (mm)	0.150 (3.8)
ASTM C 603	Extrusion Rate	grams/minute	300-400
ASTM D 2202	Flow/Sag (Slump)	inches (mm)	<0.2 (<5.1)
As Cured – After 7 Days at 24°C (75°F) and 50 Percent Relative Humidity			
ASTM C 661	Durometer, Shore A	points	21
ASTM D 412	Tensile Strength	psi	170
ASTM D 412	Elongation	percent	350
ASTM D 412	100% Modulus	psi (kg/mm ²)	60 (0.042)
ASTM D 719	Movement Capability	percent	±25
ASTM C 711	Temperature Range	°C (°F)	-51 to 149 (-60 to 300)
ASTM C 793	UV Resistance, 10,000 hours QUV		Excellent

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

DESCRIPTION

Dow Corning 1199 Silicone Glazing Sealant is a one-part, neutral-cure RTV sealant specially formulated to meet the demanding requirements as a backbedding sealant for the high-speed manufacturing of windows and doors. Designed for aggressive adhesion to wood, vinyl, fiberglass, aluminum and glass, *Dow Corning 1199 Silicone Glazing Sealant* will provide years of worry-free performance against rain, sun and temperature extremes.

Dow Corning 1199 Silicone Glazing Sealant is available in clear, white, bronze, beige, light bronze, gray, black, sand beige, forest green and blue/white. Custom-matched colors are available.

Approvals/Specifications

- AAMA 802.3-92 (Type 1), 803.3-92 (Type 1), 805.2-92, 808.3-92
- ASTM C 920, Type S, Grade NS, Class 25, Use NT, G and M

HOW TO USE

Preparation Work

Surface should be clean and dry before sealant application.

Application

Material from pails or drums can be applied 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 MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT WWW.DOWCORNING.COM, OR FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY CALLING YOUR GLOBAL DOW CORNING CONNECTION.

USABLE LIFE AND STORAGE

Dow Corning 1199 Silicone Glazing Sealant should be stored below 32°C (90°F) in a dry location. When stored in original, unopened containers, *Dow Corning* 1199 Silicone Glazing Sealant has a shelf life of 12 months from date of manufacture. Refer to product packaging for “Use By” date.

PACKAGING

Dow Corning 1199 Silicone Glazing Sealant is supplied in cartridges, pails and drums.

LIMITATIONS

Dow Corning 1199 Silicone Glazing Sealant should not be intended for use:

- For continuous water immersion
- In below-grade applications
- In spaces totally confined from atmospheric moisture during cure
- In silicone 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 and physical abuse are encountered

Premature movement of the unit may impact system performance.

Dow Corning 1199 Silicone Glazing Sealant may stress crack polycarbonate.

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 Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com, or consult your local Dow Corning 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 Dow Corning's 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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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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