

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 (-40°C/-40°F to 149°C/300°F)
- 18-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: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

| Test* | Property | Unit | Result |
|--|-----------------------------------|--------------|-------------|
| As Supplied – Uncured | | | |
| CTM ¹ 0097 | Specific Gravity | | 1.02 |
| CTM 0098 | Working (Skin-Over) Time | minutes | 4 – 7 |
| ASTM D 2377 | Tack-Free Time | minutes | 20 – 30 |
| CTM 0663 | Deep Section Cure, after 24 hours | inches (mm) | 0.120 (3.0) |
| CTM 0364 | Extrusion Rate | grams/minute | 200 – 350 |
| 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 | 23 |
| ASTM D 412 | Tensile Strength | psi | 180 |
| ASTM D 412 | Elongation | percent | 600 |
| ASTM D 412 | 100% Modulus | psi (MPa) | 50 (0.34) |
| ASTM C 719 | Movement Capability | percent | ±25 |
| ASTM C 793 | UV Resistance, 10,000 hours QUV | | Excellent |

*CTM: Corporate Test Methods Copies of CTMs are available upon request.

ASTM: American Society for Testing and Materials.

¹CTM corresponds to standard ASTM tests in most instances.

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

ASTM C 920, Type S, Grade NS, Class 25, Use NT, G and A.

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 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 usable life of 18 months from date of manufacture. Refer to product packaging for "Use By" date.

PACKAGING INFORMATION

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

LIMITATIONS

Dow Corning 1199 Silicone Glazing Sealant is not 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, 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 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.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

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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DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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