Product Information
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 (-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

**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**

<table>
<thead>
<tr>
<th>Test</th>
<th>Property</th>
<th>Unit</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>As Supplied – Uncured</td>
<td>Specific Gravity</td>
<td></td>
<td>1.02</td>
</tr>
<tr>
<td>ASTM 0098</td>
<td>Working (Skin-Over) Time</td>
<td>minutes</td>
<td>4 – 7</td>
</tr>
<tr>
<td>ASTM D 2377</td>
<td>Tack-Free Time</td>
<td>minutes</td>
<td>20 – 30</td>
</tr>
<tr>
<td>CTM 0663</td>
<td>Deep Section Cure, after 24 hours</td>
<td>inches (mm)</td>
<td>0.120 (3.0)</td>
</tr>
<tr>
<td>CTM 0364</td>
<td>Extrusion Rate</td>
<td>grams/minute</td>
<td>200 – 350</td>
</tr>
<tr>
<td>ASTM D 2202</td>
<td>Flow/Sag (Slump)</td>
<td>inches (mm)</td>
<td>&lt;0.2 (&lt;5.1)</td>
</tr>
</tbody>
</table>

| 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.
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.

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