**Product Information**

**High Performance Building**

**Dow Corning® 3362 HD Insulating Glass Sealant**

Two-part silicone sealant for use as secondary sealant in insulating glass units.

**APPLICATIONS**

- *Dow Corning® 3362 HD Insulating Glass Sealant* is intended for use as a secondary sealant in a dual sealed insulating glass unit.
- The high performance features incorporated into this product make it especially suitable for the following applications:
  - Insulating glass units for residential and commercial use.
  - Insulating glass units with high levels of UV exposure (free edge, greenhouse, etc.).
  - Insulating glass units incorporating specialty glass types.
  - Insulating glass units where high heat or humidity may be encountered.
  - Insulating glass in cold climates.
  - Insulating glass units used in structural glazing.
- Insulating glass units where a high modulus secondary sealant is required, e.g. to limit stress onto the primary sealant for noble gas-filled insulating glazing units.

**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.

<table>
<thead>
<tr>
<th>Test</th>
<th>Property</th>
<th>Unit</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><em>Dow Corning® 3362 HD Base: as supplied</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Color and consistency</td>
<td></td>
<td>Viscous paste</td>
</tr>
<tr>
<td></td>
<td>Specific gravity</td>
<td></td>
<td>1.54</td>
</tr>
<tr>
<td></td>
<td>Viscosity (60s⁻¹)</td>
<td>Pa.s</td>
<td>55.0</td>
</tr>
<tr>
<td></td>
<td><em>Curing agent: as supplied</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Color and consistency</td>
<td></td>
<td>Thick black paste</td>
</tr>
<tr>
<td></td>
<td>Specific gravity</td>
<td></td>
<td>1.05</td>
</tr>
<tr>
<td></td>
<td>Viscosity (60s⁻¹)</td>
<td>Pa.s</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td><em>As mixed</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Color and consistency</td>
<td></td>
<td>Black non-slump paste</td>
</tr>
<tr>
<td></td>
<td>Working time (25°C, 50% R.H.)</td>
<td>minutes</td>
<td>5 to 10</td>
</tr>
<tr>
<td></td>
<td>Snap time (25°C, 50% R.H.)</td>
<td>minutes</td>
<td>35 to 45</td>
</tr>
<tr>
<td></td>
<td>Specific gravity</td>
<td></td>
<td>1.44</td>
</tr>
<tr>
<td></td>
<td>Corrosiveness</td>
<td></td>
<td>Non-corrosive</td>
</tr>
<tr>
<td>ISO 8339</td>
<td>Tensile strength</td>
<td>MPa</td>
<td>1.0</td>
</tr>
<tr>
<td>ISO 8339</td>
<td>Elongation at break</td>
<td>%</td>
<td>30</td>
</tr>
<tr>
<td>EN 1279-6</td>
<td>Durometer hardness, Shore A</td>
<td></td>
<td>55</td>
</tr>
</tbody>
</table>
**DESCRIPTION**

*Dow Corning* 3362 HD Insulating Glass Sealant has been extensively tested under different type of glass and conditions (air permeability, gas, etc.).

For further information please contact our Technical services department.

**TECHNICAL SPECIFICATIONS AND STANDARDS**

*Dow Corning* 3362 HD Insulating Glass Sealant is recommended for use as secondary seal in gas-filled insulating glass units meeting requirements according to EN1279 in an IG system. It is suitable for double and triple IG. As valid for any other technology, a proper application and fabrication of the Insulating glass unit is required

*Dow Corning* 3362 HD sealant has the CE Mark according to ETAG 002. The product also meets sealant requirement according to EN1279 parts 4 and 6.

*Dow Corning* 3362 HD sealant has the SNIF Vi-VEC label.

**TYPICAL PROPERTIES (continued)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Property</th>
<th>Unit</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETAG 002</td>
<td>Design stress in tension</td>
<td>MPa</td>
<td>0.14</td>
</tr>
<tr>
<td></td>
<td>Design stress in dynamic shear</td>
<td>MPa</td>
<td>0.11</td>
</tr>
<tr>
<td></td>
<td>Elastic modulus in tension or compression</td>
<td>MPa</td>
<td>4.8</td>
</tr>
<tr>
<td>EN 1279-4</td>
<td>Water vapor permeability (2.0mm film)</td>
<td>g/m²/24h</td>
<td>15.4</td>
</tr>
<tr>
<td>annex C</td>
<td>Thermal conductivity</td>
<td>W/(m.K)</td>
<td>0.26</td>
</tr>
</tbody>
</table>

EN: European Norm.  
ETAG: European Technical Agreement Guidelines.  
DIN: Deutsche Industrie Norm.

**HOW TO USE**

**Mixing and dispensing instructions**

*Dow Corning* 3362 HD Insulating Glass Sealant should be mixed in a ratio of 10:1 base to curing agent by weight. At this mix ratio, the sealant typically exhibits a working time of 5-10 minutes and allows units to be handled within two hours. Slight variations in mixing ratio can be tolerated, but these should not exceed 12:1 to 9:1 by weight to ensure minimum properties are obtained.

The sealant is compatible with most of *Dow Corning* Neutral Curing Sealants. Please contact our Technical Services Department for more information.

To obtain the best mechanical properties from *Dow Corning* 3362 HD Insulating Sealant it is recommended that the base and curing agent are thoroughly mixed using an airless mixing system found on most existing commercially available two-part silicone dispensing machines.

**Equipment cleaning**

When not being used it is recommended that the dispensing equipment be purged either with the uncatalyzed base, or flushed with a suitable solvent such as *Dow Corning* 3522 Concentrated Cleaning Solvent. If cured sealant has built up inside the equipment it is recommended to flush the equipment for the appropriate time with *Dow Corning* 3522 Concentrated Cleaning Solvent. This solvent dissolves cured silicone sealant and provides optimum cleaning performance.

**TECHNICAL SERVICES**

*Dow Corning* provides comprehensive technical service as part of customer support to ensure the optimal performance of your insulated glass design. This includes dispensing equipment recommendations, as well as sealant compatibility testing with all your chosen insulated glass unit components. For structural glazing applications, special unit design should be reviewed on a project basis by Dow Corning technical service staff.

Consult Dow Corning’s Technical Services departments for further advice on specific applications:

**Your Dow Corning contact details (e-mails):**

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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 WEB-SITE AT DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

USABLE LIFE AND STORAGE
When stored at or below 30°C, Dow Corning 3362 HD Insulating Glass Curing Agent has a usable life of 14 months from the date of production.

When stored at or below 30°C, Dow Corning® 3362 HD Insulating Glass Base has a usable life of 14 months from the date of production.

PACKAGING INFORMATION
Lot matching of Base and Curing Agent is not required.

Dow Corning 3362 HD Insulating Glass Base is available in 250kg drums and 20 liter pails.
Dow Corning® 3362 HD Insulating Glass Catalyst is available in 25kg pails.

LIMITATIONS
The sealant cannot be used for structural glazing of glass units onto a metal frame. Dow Corning® 993 Structural Glazing Sealant is the recommended product for that application.

Please contact Dow Corning to get the proper glazing recommendations when use of Coated Glass.

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.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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Figure 1: Typical section of a dual sealed insulating glass unit.

Legend
1. Secondary seal (Dow Corning 3362 Insulating Glass Sealant)
2. Secondary seal - sealant depth
3. Primary seal - Poly Iso Butylene
4. Glass
5. Spacer bar