**Product Information**

**High Performance Building**

**Dow Corning® 3363 Insulating Glass Sealant**

Two-part silicone sealant with high strength for use as a secondary seal in insulating glass units.

**APPLICATIONS**

- *Dow Corning® 3363 Insulating Glass Sealant* is a high strength secondary two-part silicone sealant specifically designed for high strength applications, where conventional sealants with lower strength would lead to increased joint sizes. It enables economical joint sizes in highly demanding insulating glass (IG) applications such as: high wind in tall buildings, hurricane loads, cold-bent glass or high impact loads such as bomb blast. Smaller joint dimensions can be filled faster and therefore lead to productivity enhancements.

- *Dow Corning 3363 Insulating Glass Sealant* is ideal as a secondary sealant for triple and double glazed units and meets EN 1279 requirements for gas-filled IG.

- *Dow Corning 3363 Insulating Glass Sealant* can be used in IG applications for structurally glazed facades. It is UV resistant, provides long-term durability and excellent adhesion to glass and IG spacers.

**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><strong>Dow Corning® 3363 Base: as supplied</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color and consistency</td>
<td>White, viscous paste</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.38</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dow Corning® 3363 Curing agent: as supplied</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color and consistency</td>
<td>Thick black paste</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity (60s⁻¹)</td>
<td>Pa.s</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td><strong>As mixed</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Color and consistency</td>
<td>Black non-slump paste</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working time (25°C, 50% R.H.)</td>
<td>minutes</td>
<td>5-10</td>
<td></td>
</tr>
<tr>
<td>Snap time (25°C, 50% R.H.)</td>
<td>minutes</td>
<td>10-30</td>
<td></td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corrosiveness</td>
<td>Non-corrosive</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISO 8339</td>
<td>Tensile strength</td>
<td>MPa</td>
<td>1.5</td>
</tr>
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</table>
DESCRIPTION
Dow Corning 3363 Insulating Glass Sealant is a two-component, neutral curing silicone formulation for insulating glass applications.

TECHNICAL SPECIFICATIONS AND STANDARDS
Dow Corning 3363 Insulating Glass Sealant is suitable as secondary seal in gas-filled insulating glass units and meets the requirements according to EN 1279 in an IG system. It is suitable for gas-filled triple and double glazed IG. As valid for any other technology, a proper application and fabrication of the insulating glass unit is required.

Dow Corning 3363 Insulating Glass Sealant is CE-marked according to ETAG002. The product also meets requirements according to EN 1279 parts 4 and 6.

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HOW TO USE
Mixing and dispensing instructions
Dow Corning 3363 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 11:1 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 achieve the best mechanical properties of Dow Corning 3363 Insulating Glass 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 department for further advice on specific applications:

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USABLE LIFE AND STORAGE
When stored at or below 30°C, Dow Corning 3363 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 3363 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 3363 Insulating Glass Base is available in 250 kg drums. Dow Corning® 3363 Insulating Glass Catalyst is available in 25 kg 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 using 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.

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

Legend
1. Secondary seal (Dow Corning 3363 Insulating Glass Sealant)
2. Secondary seal - sealant depth
3. Primary seal – Polyisobutylene
4. Glass
5. Spacer bar

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