DOWSIL™ 2400 Silicone Assembly Sealant
Crystal Clear Bonding & Assembly

Benefits
- Crystal clear aesthetics
- Glass-glass and glass-metal connections
- Structural bonding and sealing
- Enhanced productivity for automated bonding applications
- In-factory and on-site bonding

Features
- UV and hot water resistant
- Optically clear – color stable
- High structural capability
- High movement capability
- Moisture curing 1-part silicone
- Window back-bedding

DOWSIL™ 2400 Silicone Assembly Sealant is a 100% hot applied silicone, optically clear. Due to its reactive hotmelt properties, it provides immediate strength once cooled down. It is suitable for residential and commercial assembly as well as for structural bonding and sealing applications and opens a wide field of potential applications.

Technical Properties

<table>
<thead>
<tr>
<th>Test method</th>
<th>Property</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D412</td>
<td>Durometer Shore A hardness</td>
<td>60</td>
</tr>
<tr>
<td>ASTM C719</td>
<td>Movement capability</td>
<td>± 50%</td>
</tr>
<tr>
<td>ASTM D412</td>
<td>Ultimate tensile strength</td>
<td>4,3 MPa</td>
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Structural Bonding & Assembly
For exterior and interior structural bonding applications and specific structural glazing designs such as closed cavity facade or other glass-metal or glass-glass structures, where a crystal clear connection is desired.* As a 1-part moisture curing silicone, joint depth is limited. It is UV, temperature and weather resistant, making it suitable for interior and exterior use. Available in cartridges for manual application for general assembly of glass designs and in pails for automated or semiautomated applications.

Crystal Clear Glass Edge for Special Insulating Glass Designs
For crystal clear 2-sided insulating glass edge designs in conjunction with a crystal clear spacer. Designs need to be approved and calculated by the insulating glass manufacturer. DOWSIL™ 2400 Silicone Assembly Sealant is externally tested according to EN1279-4.

* Only for specific structural glazing applications where design and load constraints allow bonding with a one-part silicone, whether the application is sealing, bonding or glass. Please consult your local Dow Services Engineer for possible technical limitations prior to use.
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Quality Bond™

The high quality of crystal clear bonding is reinforced through the well established Quality Bond™ Program. Quality Bond™ lifts silicone sealing and bonding to the highest level through the instigation of standards of best practice in quality control, quality assurance and product application by specialist silicone fabricators and applicators. Quality Bond™ allows customers and specifiers to share in Dow’s industry-leading expertise and benefit from our proven global performance track record. For more information, please visit qualitybond.com.

Quality Bond™ is currently available in Europe, the Middle East, Africa, India, ASEAN and Greater China.

Contact Us

Dow is collaborating with industry professionals around the world to develop solutions to improve the energy efficiency of buildings for a more comfortable environment. Learn more about Dow’s full range of High Performance Building solutions by visiting us online at consumer.dow.com/construction.

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Other applications

• Weather sealing – glass-glass connections for increased transparency
• Bonding of glass fins
• Interior decorative bonding
• Manual assembly on-site
• Fully automated assembly of windows and doors enhancing productivity
• Window back-bedding

Properties

• Crystal clear 100% silicone reactive hotmelt
• Moisture curing 1-part sealant
• Structural capability: $\sigma_{\text{DES}} = 0.14$ MPa (dynamic)
  Deadload support required
• Applied at 120°C-130°C
• Available in pails and cartridges
• For manual, semi-automated and automated applications