Born2Bond™ Light Lock HV and Gel are low-odor, low-blooming, dual-curing (contact and light curing) cyanoacrylate adhesives. They are designed for bonding applications that require fast fixturing, coating or surface cure. The UV and visible-light cure sensitivity allow rapid bonding through transparent parts and quick curing of light-exposed bulk or surface-coated areas. Further, the product’s instant bonding capability ensures cure between opaque substrates (contact cure).

**FEATURES**

- Dual cure formulation: instant and photo-cure
- Fixture time in 60 seconds without light exposure, and 5 seconds with light curing
- Can be cured with visible and UV-LED light
- Long open time without activation
- Dry to touch, tack free surface cure
- Cure-on-demand of excess material released from bondlines
- Bonds, fills, reconstructs and coats
- Low odor, low blooming
- Available in a range of viscosities: HV and GEL

**TYPICAL APPLICATIONS**

- Conformal coating
- Encapsulation
- Electronics assembly
- Plastic to metal bonding for medical devices
- Glass to metal bonding for jewelry, watches, perfume and liquor bottles

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**BASE**

<table>
<thead>
<tr>
<th></th>
<th>HV</th>
<th>GEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISCOSITY (cP)</td>
<td>Light Curing Methoxymethyl Cyanoacrylate</td>
<td>600 - 900</td>
</tr>
<tr>
<td>BOND STRENGTH</td>
<td>Grit-Blasted Mild Steel - 6 MPa</td>
<td>Grit-Blasted Mild Steel - 5 MPa</td>
</tr>
<tr>
<td>APPEARANCE</td>
<td>Transparent after cure</td>
<td></td>
</tr>
<tr>
<td>TEMPERATURE RANGE</td>
<td>-40°C up to +80°C</td>
<td></td>
</tr>
</tbody>
</table>

**AVAILABLE IN**

- Tubes: 5g, 20g and Bottle: 500g (HV only)

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**TDS and SDS available on request**

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*Depending on substrates. **Except polyolefins.
Always use glasses and gloves when applying adhesives.
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