Highly durable, transparent when cured, and easy to manage, the Born2Bond™ UV-Acrylic LC Series can be used with metals, glass and plastics, including ABS and PMMA.

Non-toxic and solvent-free, the range can be dispensed using a wide variety of equipment and methods. Patented Nanostrength® technology developed by Bostik’s parent company, Arkema, ensures greater impact resistance and elongation properties while gap filling, low shrinkage and non-cracking properties further enhance performance. This is supported by a low exothermic reaction during formation which reduces the risk of mechanical stress that could otherwise damage the substrates.

**FEATURES**

- Low shrinkage and non-cracking properties
- Transparent after cure (non-yellowing)
- Highly durable - impact, chemical and temperature resistance, with low water absorption
- Multi-substrate adhesion (metals, glass and plastics, including ABS and PMMA)
- Gap filling properties
- Wide UV wavelength range (between 365 and 405nm)
- High elongation
- Can be dispensed using a wide variety of equipment and methods
- Low exothermic reaction during formation (<50°C)

**TYPICAL APPLICATIONS**

- Luxury goods (e.g. perfume and cosmetics packaging, jewelry, watches)
- Electronics (e.g. PCB assembly, coating, encapsulation)
- Automotive (e.g. ADAS)
- General assembly (e.g. plastic and glass parts bonding)

<table>
<thead>
<tr>
<th>LC 176</th>
<th>LC 177</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VISCOSITY (mPa.s)</strong></td>
<td>110,000 to 150,000</td>
</tr>
<tr>
<td><strong>ELONGATION (%)</strong></td>
<td>220 to 260</td>
</tr>
<tr>
<td><strong>TENSILE STRENGTH (MPa)</strong></td>
<td>9 to 11</td>
</tr>
<tr>
<td><strong>LAP SHEAR STRENGTH (MPa)</strong>*</td>
<td>7</td>
</tr>
<tr>
<td><strong>HARDNESS (SHORE)</strong></td>
<td>60 to 75 A</td>
</tr>
<tr>
<td><strong>WATER ABSORPTION (%)</strong></td>
<td>1.5</td>
</tr>
<tr>
<td><strong>FIXTURE TIME (s) LED 405 nm (2 W/cm²)</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>FIXTURE TIME (s) UVA lamp (55-60 mW/cm²)</strong>***</td>
<td>7</td>
</tr>
</tbody>
</table>

*TDS and SDS available on request

*On PMMA. **Measured with UV Meter UE 520. ***Measured with UVX radiometer. †Patented in multiple countries. Available in selected regions only. Always use glasses and gloves when applying adhesives.
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