### DELO®-ML anaerobic-curing adhesives

<table>
<thead>
<tr>
<th>Product code</th>
<th>5249</th>
<th>5327</th>
<th>U8160</th>
<th>DB140</th>
<th>DB166</th>
<th>DB160</th>
<th>DB1133</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>gray</td>
<td>yellow</td>
<td>red</td>
<td>green</td>
<td>red</td>
<td>red</td>
<td>red</td>
</tr>
<tr>
<td>Viscosity [PG / mPa-s]</td>
<td>3.960</td>
<td>5.795</td>
<td>5.600</td>
<td>8.485</td>
<td>8.780</td>
<td>6.080</td>
<td>4.950</td>
</tr>
<tr>
<td>Temperature of use</td>
<td>–76 °F to +392 °F (–60 °C to +200 °C)</td>
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**Use**
- Anaerobic-curing adhesives
  - For fixed connection of adhesively bonded components, such as shaft-to-hub connections, fixing of bushings, bearings and pins
  - Sealing of screws
  - Sealing of shafts, screw and flange connections
- Anaerobic light-curing and anaerobic UV-curing adhesives have two independent curing mechanisms. Irradiation with light also makes possible the curing of adhesives in constricted areas in seconds. Therefore, components can be bonded to each other while both components are irradiated. If one of the components is translucent, non-metals can also be bonded.

### DELO®-QUICK activators

<table>
<thead>
<tr>
<th>Product code</th>
<th>5004</th>
<th>5006</th>
<th>5910</th>
<th>5975</th>
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</thead>
<tbody>
<tr>
<td>Color</td>
<td>green</td>
<td>yellow</td>
<td>red</td>
<td>red</td>
</tr>
<tr>
<td>Fluorescence</td>
<td>–</td>
<td>–</td>
<td>red</td>
<td>black</td>
</tr>
<tr>
<td>Evaporation time [min]</td>
<td>3 – 5</td>
<td>3 – 5</td>
<td>10</td>
<td>–</td>
</tr>
<tr>
<td>Initial strength [N]</td>
<td>20</td>
<td>15</td>
<td>60</td>
<td>150</td>
</tr>
</tbody>
</table>

**Use**
- Anaerobic-curing adhesives
  - For fixed connection of adhesively bonded components, such as shaft-to-hub connections, fixing of bushings, bearings and pins
  - Sealing of screws
  - Sealing of shafts, screw and flange connections

### Characteristics

- Accelerated curing, curation of passive surface
- Activation at temperatures below +25°C
- Bonders can work under conditions of dust or dirt
- Drying rate: high
- UV-cured products can only be used in temperate zones
- The products can still be used in temperate and tropical zones
- The air content in the container prevents premature curing.
Application examples

- **Securing of screws**
  - DELO®-ML 5249, friction value similar to that of an oiled screw, removable, especially optimized for securing screws

- **Pipe connections**
  - DELO®-ML 5249, removable

- **Shaft-to-hub connections**
  - DELO®-ML 5249, DELO®-ML DB145, DELO®-ML DB160, DELO®-ML UB160, difficult to remove, high-strength bonding, long-term stable even at high dynamic stresses

- **Grinded and galvanized surfaces**
  - DELO®-ML DB133, DELO®-ML DB145, DELO®-ML DB160, DELO®-ML DB193, difficult to remove, high adhesion on surfaces with low surface roughness (Rz < 10 μm), absorption of shear and transverse forces is possible

- **Fast fixing of components**
  - DELO®-ML 5327, DELO®-ML DB133, DELO®-ML DB145, DELO®-ML DB160, DELO®-ML DB180, DELO®-ML UB160, difficult to remove

- **Use in gas-operated installations**
  - DELO®-ML 5249, DIN EN DVGW reg. no. NG-5146BL0234, removable

- **Use at high temperatures**
  - DELO®-ML DB137, suitable for permanent use at temperatures of up to +392 °F (+200 °C)

- **Flexibilized setting**
  - DELO®-ML DB133, highly flexible, impact-resistant
  - DELO®-ML DB145, DELO®-ML DB160, DELO®-ML DB180, for bonding components with dissimilar coefficients of expansion due to tension-equalizing nature

Développement des produits pour la vie industrielle.

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**Contact**

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**Selection Chart**

DELO®-ML