**Light Cure Adhesives**

- One-component, no-mix products that cure extremely fast for immediate QC in high volume assembly operations.
- Excellent bond strengths for plastics and glass.
- Bond-on-demand capability for unlimited repositioning.
- Dual cure formulations for curing where light cannot reach.

### Solution

<table>
<thead>
<tr>
<th>Chemistry</th>
<th>Viscosity (cP)</th>
<th>Color</th>
<th>Fluorescent</th>
<th>Cure Type</th>
<th>Shear Strength (lbs)</th>
<th>Elongation (%)</th>
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<tbody>
<tr>
<td>Acrylic</td>
<td>500</td>
<td>Translucent/Colorless</td>
<td>Yes</td>
<td>UV, Visible</td>
<td>900</td>
<td>220</td>
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<tr>
<td>Acrylic</td>
<td>2,400</td>
<td>Transparent/Translucent</td>
<td>Yes</td>
<td>UV, Visible</td>
<td>1,910</td>
<td>100</td>
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<tr>
<td>Silicone</td>
<td>2,200</td>
<td>Transparent/Translucent</td>
<td>No</td>
<td>UV, Visible</td>
<td>440</td>
<td>170</td>
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<tr>
<td>Silicone</td>
<td>325 g/min.</td>
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<td>No</td>
<td>UV, Visible</td>
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<tr>
<td>Acrylic</td>
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<td>Acrylic</td>
<td>No</td>
<td>UV, Visible</td>
<td>2,440</td>
<td>140</td>
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<tr>
<td>Acrylic</td>
<td>18,000</td>
<td>Acrylic</td>
<td>No</td>
<td>UV, Visible</td>
<td>5,500</td>
<td>2,910</td>
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<tr>
<td>Silicone</td>
<td>8,000</td>
<td>Acrylic</td>
<td>No</td>
<td>UV, Visible</td>
<td>3,400</td>
<td>135</td>
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<tr>
<td>Acrylic</td>
<td>8,000</td>
<td>Acrylic</td>
<td>No</td>
<td>UV, Visible</td>
<td>3,110</td>
<td>7</td>
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<tr>
<td>Silicone</td>
<td>6,000</td>
<td>Acrylic</td>
<td>No</td>
<td>Visible</td>
<td>3,260</td>
<td>5</td>
</tr>
<tr>
<td>Acrylic</td>
<td>5,000</td>
<td>Acrylic</td>
<td>No</td>
<td>Visible</td>
<td>140</td>
<td>270</td>
</tr>
</tbody>
</table>

### Product Description

**LOCTITE® 3974™**
- A low-viscosity UV/visible light cure adhesive designed for bonding plastics, metals and glasses with superior sterilization resistance.
- Excellent adhesion to polycarbonate.
- 1 liter bottle, 300 ml cartridge, 25 ml syringe.

**LOCTITE® 5050™**
- A medium viscosity UV/visible light cure adhesive designed for bonding plastics, metals and glasses with superior sterilization resistance and flexibility.
- Excellent adhesion to polycarbonate.
- 1 liter bottle, 300 ml cartridge, 25 ml syringe, 1 oz. bottle.

**LOCTITE® 3922™**
- A medium viscosity UV/visible light cure adhesive designed for bonding plastics, metals and glasses.
- High flexibility, toughness and durability to moisture exposure.
- 1 liter bottle, 300 ml cartridge, 25 ml syringe, 1 oz. bottle.

**LOCTITE® 4310™**
- A medium viscosity UV/visible light cure adhesive designed for bonding plastics, metals and glasses with superior sterilization resistance.
- Excellent adhesion to polycarbonate.
- 1 liter bottle, 300 ml cartridge, 25 ml syringe, 1 oz. bottle.

**LOCTITE® 3556™**
- A medium viscosity UV/visible light cure adhesive designed for bonding plastics, metals and glasses with superior sterilization resistance and flexibility.
- Excellent adhesion to polycarbonate.
- 1 liter bottle, 300 ml cartridge, 25 ml syringe, 1 oz. bottle.

**LOCTITE® 29487**
- A low viscosity UV/visible light cure adhesive designed for bonding plastics, metals and glasses with superior sterilization resistance and flexibility.
- Excellent adhesion to polycarbonate.
- 1 liter bottle, 300 ml cartridge, 25 ml syringe, 1 oz. bottle.

**LOCTITE® 3107™**
- A medium viscosity UV/visible light cure adhesive designed for bonding plastics, metals and glasses with superior sterilization resistance.
- Excellent adhesion to polycarbonate.
- 1 liter bottle, 300 ml cartridge, 25 ml syringe, 1 oz. bottle.

**LOCTITE® 3926™**
- A low viscosity UV/visible light cure adhesive designed for bonding plastics, metals and glasses with superior sterilization resistance and flexibility.
- Excellent adhesion to polycarbonate.
- 1 liter bottle, 300 ml cartridge, 25 ml syringe, 1 oz. bottle.

**LOCTITE® 3929™**
- A medium viscosity UV/visible light cure adhesive designed for bonding plastics, metals and glasses with superior sterilization resistance and flexibility.
- Excellent adhesion to polycarbonate.
- 1 liter bottle, 300 ml cartridge, 25 ml syringe, 1 oz. bottle.

**INDIGO® Visible Light Sealant**
- A medium viscosity UV/visible light cure adhesive designed for bonding lightly colored or translucent substrates with a large depth of cure. Suitable for bonding polycarbonate and other materials.
- 1 liter bottle, 300 ml cartridge, 25 ml syringe, 1 oz. bottle.

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**Your Application**

**What type of substrates are you using?**

- Both substrates are opaque
- One Substrate

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**What is your primary application requirement?**

- High Bond Strength Required
- Flexible Bond-Line

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**Can light reach the entire bond-line through a transparent substrate?**

- Yes
- No

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**What is your primary application requirement?**

- Bonding to Plasticized PVC
- Bonding to Plastic
- Bonding to Silicone
- Bonded to Glass
- Bonded to Metal

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**Description**

- Solution

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**Light Cure Adhesives**

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**The Adhesive Sourcebook 2015: Your Source for LOCTITE® products for design, assembly, manufacturing and maintenance**

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## Light Cure Adhesives

- One-component, no-mix products that cure extremely fast for immediate QC in high volume assembly operations
- Excellent bond strengths to plastics and glass
- Bond-on-demand capability for unlimited repositioning
- Dual cure formulas for curing where light cannot reach

### Light Cure Adhesives

#### Characteristics

- **Viscosity**: Flowable, Paste, Medium, Low
- **Color**: Clear/Pale, Straw, White, Translucent
- **Cure Type**: UV, Visible, Moisture, Thermal Cycling
- **Elongation at Break (%)**: Yes, No, Flexible, Highly Flexible
- **Elongation at Break (%)**: Yes, No, Flexible, Highly Flexible
- **Conditioning**: Moisture Immersion, UV Exposure

#### Applications

- **Bonding to Plasticized PVC**: Low Viscosity, Medium Viscosity, Flowable
- **Bonding to Plastic**: Medium Viscosity, Flowable
- **Bonding to Silicone**: Medium Viscosity, Flowable
- **Bonding to Glass**: Medium Viscosity, Flowable
- **Bonding to Metal**: Medium Viscosity, Flowable

### Solution

<table>
<thead>
<tr>
<th>Product Description</th>
<th>P/N Package Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3107™ Light Cure Adhesive</td>
<td>3107* 1 liter bottle</td>
</tr>
<tr>
<td>3974™ Light Cure Adhesive</td>
<td>3974™ 1 liter bottle</td>
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<tr>
<td>5056™ Light Cure Adhesive</td>
<td>1 liter bottle</td>
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<tr>
<td>5050™ Light Cure Adhesive</td>
<td>1 liter bottle</td>
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<tr>
<td>5325™ Light Cure Adhesive</td>
<td>1 liter bottle</td>
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<tr>
<td>3494™ Light Cure Adhesive</td>
<td>1 liter bottle</td>
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<tr>
<td>3525™ Light Cure Adhesive</td>
<td>1 liter bottle</td>
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<tr>
<td>3979™ Light Cure Adhesive</td>
<td>1 liter bottle</td>
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<tr>
<td>3926™ Light Cure Adhesive</td>
<td>1 liter bottle</td>
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<tr>
<td>4310™ Flashcure® Light Cure Adhesive</td>
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<tr>
<td>4311™ Flashcure® Light Cure Adhesive</td>
<td>1 liter bottle</td>
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<tr>
<td>5240™ Nuva-Sil® Medical Device Sealant</td>
<td>1 liter bottle</td>
</tr>
<tr>
<td>3556™ Indigo® Visible Light Cure Adhesive</td>
<td>1 liter bottle</td>
</tr>
</tbody>
</table>

#### Your Application

- **What type of bond (substrates)?**
  - Bonding to Plasticized PVC
  - Bonding to Plastic
  - Bonding to Silicone
  - Bonding to Glass
  - Bonding to Metal

- **What is your application requirement?**
  - High Bond Strength Required
  - Flexible Bond-Line

- **What is your primary application requirement?**
  - Non-Sag Gel
  - Medium Viscosity
  - Low Viscosity

### Conclusion

For more information on Light Cure Adhesives and other Henkel products, please visit [www.henkel.com/loctite](http://www.henkel.com/loctite) or contact 1-800-263-5043.