The First Flexible and Transparent Instant Adhesives

Loctite Flexible Instant Adhesives

- Highly flexible and transparent bond line
- Fast curing - fixture in seconds
- For use with or without Loctite Instant Adhesive Activators or Primers
- Versatile - Bond a variety of dissimilar materials
- High strength, durable bond

Loctite Activator

- Excellent cosmetic appearance of cured Adhesive
- Reduces cure time
- Fluorescent for easy detection
- Can be applied before or after adhesive
- Optimum combination of speed and bond strength
Product Range

Loctite introduces two new instant adhesives with exceptional flexibility and high transparency. Based on a technological breakthrough, they combine all the advantages of Loctite Instant Adhesives – fast curing, versatility and strength – with a transparent and flexible bond. These new adhesives are particularly suitable for the bonding of flexible materials including paper, card, rubber, leather, plastic and a wide range of fabrics. In addition, a new low odour activator will accelerate the cure of all Loctite Instant Adhesives, providing the optimum combination of speed and bond strength with extremely low blooming.

Loctite 4850
Flexible Instant Adhesive
- Especially designed for bonding flexible materials
- General purpose
- Medium viscosity, fast curing, transparent adhesive
- Suitable for the assembly and repair of flexible materials and components

Typical application areas:
Used in the manufacture, maintenance and repair of flexible gaskets, gaiters and seals as well as industrial clothing / footwear.

Loctite 4860
Flexible Instant Adhesive
- Especially designed for bonding flexible materials
- High viscosity, fast curing, transparent adhesive
- Suitable for use with porous substrates including paper, card and fabrics.

Typical application areas:
Bonding materials used in the manufacture of flexible gaskets and seals, gaiters, as well as loudspeaker assembly.

Loctite 7458
Activator for all Loctite Instant Adhesives
- Accelerates the cure speed of all Loctite Instant Adhesives
- Low-odour
- Minimises post cure blooming while optimising bond strength

Typical application areas:
Any application where the speed of cure and aesthetics requirements are critical to ensure a neat and consistent bond-line such as the manufacture of loudspeakers, cosmetic packaging and enclosures for electronic devices.

Technical Summary table

<table>
<thead>
<tr>
<th>Product number</th>
<th>4850</th>
<th>4860</th>
<th>Product Number</th>
<th>7458</th>
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</thead>
<tbody>
<tr>
<td>Colour</td>
<td>transparent, colourless</td>
<td>transparent, colourless</td>
<td>colourless</td>
<td></td>
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<tr>
<td>Viscosity (at 25°C)</td>
<td>250 – 500 mPas</td>
<td>3000 – 5500 mPas</td>
<td>Drying time (at 25°C)</td>
<td>approx. 40 s</td>
</tr>
<tr>
<td>Fixture time, paper</td>
<td>&lt; 5 s</td>
<td>&lt; 5 s</td>
<td>On part life</td>
<td>24 hrs</td>
</tr>
<tr>
<td>Tensile Shear Strength (GBMS), RT</td>
<td>11 N/mm²</td>
<td>10 N/mm²</td>
<td>CA fillet cure time a. skin</td>
<td>approx. 5 s</td>
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<tr>
<td>Operating temperature</td>
<td>&lt; 80°C</td>
<td>&lt; 80°C</td>
<td>b. through volume</td>
<td>&lt; 60 s</td>
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<tr>
<td>Shore hardness</td>
<td>85 Shore A</td>
<td>85 Shore A</td>
<td>Solvent</td>
<td>&gt; 90 % Heptane</td>
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<tr>
<td>Elongation to break</td>
<td>5 %</td>
<td>5 %</td>
<td>Flash point</td>
<td>-1°C</td>
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<tr>
<td>Soft joints</td>
<td>yes</td>
<td>yes</td>
<td>Fluorescence</td>
<td>yes</td>
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<tr>
<td>Pack sizes</td>
<td>5g; 20g; 500g bottles</td>
<td>20g; 500g bottles</td>
<td>Pack sizes</td>
<td>500ml can</td>
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</table>

The new Instant Adhesive Range is only one group of products specially developed by Loctite. For an update on a variety of other products available go to www.loctite.com. The latest literature and news about Loctite products and applications can then be yours in an internet instant.

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