Heat Sink Adhesive Kit

Description
MC002742 is a fast curing acrylic adhesive for bonding a heat sink and component/PCB. MC002742 has excellent adhesion and is intended to replace tapes, mechanical clips and epoxies.

Typical Properties

Liquid Properties
- Appearance: White Liquid
- Product Description: Acrylic Resin and Activator
- Density – Acrylic Resin (g/ml): 1.36
- Viscosity Part A (mPa s 23°C): 500,000
- Cure Time – Thin Section (25°C): 5-10 minutes (with activator – both sides)
- Shelf Life: 12 Months @ 10-20°C
- Storage Conditions: +5°C to +23°C

Cured System
- Thermal Conductivity (W/m.K): 0.82
- Operating Temperature Range (°C): -50 to +150
- Shear Strength (MPa)
  - Accelerator one side after 24 hours: <13
  - Accelerator both sides after 24 hours: >15

Mixing Procedures
To obtain a successful joint apply the activator to one of the bonding surfaces and coat the other with a thin layer of adhesive, then press together. For an enhanced bonding strength, apply the activator to both surfaces.

Part Number Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Heat Sink Adhesive, 2 Part, White Liquid, Kit, 20ml</td>
<td>MC002742</td>
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