

### Under Ground Cable Jointing and Encapsulation of Electrical Components

#### Technical Data Sheet

<b>DESCRIPTION</b>	<p>MEGAPOXY 34 is a low viscosity 100% solids epoxy resin formulation suitable for underground cable jointing and is recommended for encapsulation of instrument transformers, lighting transformers, small power transformers and coils, for electrical and electronic industries.</p> <p>MEGAPOXY 34 is suitable for casting electrical switchgear components and for mechanical and chemical resistant applications. Cured MEGAPOXY 34 has excellent static and dynamic mechanical properties as well as superior electrical and dielectric properties.</p>	
<b>PROPERTIES</b>	<p>Mixing Ratio</p> <p>Pot Life</p> <p>Setting Time</p> <p>Cure Time</p> <p>Viscosity Part A</p> <p>Viscosity Part B</p> <p>Viscosity Mixed</p>	<p>4 parts "A" to 3 parts "B" by volume or weight</p> <p>30 Minutes at 25°C</p> <p>6 Hours at 25°C</p> <p>24 Hours at 25°C</p> <p>1300 - 1900 cps</p> <p>300 - 500 cps</p> <p>905 cps</p>
<b>PRODUCT SPECIFICATION</b>	<p>Megapoxy 34 conforms to AS3100-1990 including amendments 1,2 by AGL for encapsulating and potting of electrical components and cable joints.</p>	
<b>CURED PROPERTIES</b>	<p>Peak Service Temperature</p> <p>Volume Resistivity</p> <p>Dielectric Strength</p> <p>Compressive Strength</p>	<p>150°C</p> <p>10<sup>13</sup> ohm.cm</p> <p>315 kv/cm</p> <p>90 MPa</p>
<b>SURFACE PREPARATION</b>	<p>Good adhesion can only be achieved if proper pre-treatment of surfaces to be bonded is carried out. Any surface impurities on the casting surfaces can reduce the bond strength or inhibit the bond to the items being encapsulated. It is recommended to clean all surfaces with acetone or isopropyl alcohol. Wire brushing is not an adequate surface preparation and will produce poor adhesion.</p>	
<b>AVAILABILITY</b>	<p>Megapoxy 34 is available in 2kg kits. In each 2kg kit measuring cups and stirrers are provided.</p> <p><b>BULK SUPPLIES ARE AVAILABLE</b></p>	
<b>CLEANING</b>	<p>To keep mixing implements and working tools clean use Megapoxy Thinners. Use disposable rubber gloves to protect hands and maintain proper industrial hygiene.</p>	
<b>TECHNICAL SERVICE</b>	<p>All purchasers of Megapoxy products are invited to avail themselves of our technical service on epoxy resins. The methods and systems outlined in this bulletin are the best available at the present time, however continual research and development is being carried out and could result in change without prior notice.</p>	