

### Rapid Set Epoxy For Pile Splicing

#### Technical Data Sheet

<b>DESCRIPTION</b>	<p>Megapoxy 108 is a rapid set liquid epoxy binder for use in civil engineering applications where early development of high strength is essential. Typical application is splicing of bridge piles where fast development of high compressive and impact strength is required so that pile driving can be resumed as soon as possible. Tests conducted on samples drawn during splicing operations showed compressive strengths in excess of 95Mpa after 2 hours at 22°C.</p> <p>Megapoxy 108 is a hydrophilic resin, i.e. it will cure in presence of moisture. Megapoxy 108 mixed with silica 50N sand provides a rapid set epoxy mortar suitable for high strength repairs to precast concrete.</p>																																
<b>PROPERTIES</b>	<table><tr><td>Mixing Ratio</td><td>4 Part A to 1 Part B</td></tr><tr><td>Working Time</td><td>8 minutes at 25°C</td></tr><tr><td>Minimum Cure Time at 15°C</td><td>4 hours</td></tr><tr><td>Minimum Cure Time at 25°C</td><td>2 hours</td></tr><tr><td>Minimum Cure Time at 35°</td><td>1 hour</td></tr><tr><td>Minimum Application Temperature</td><td>10°C</td></tr><tr><td>Maximum Operating Temperature</td><td>80°C</td></tr><tr><td>Colour Part A</td><td>Clear</td></tr><tr><td>Colour Part B</td><td>Clear</td></tr><tr><td>Appearance Mixed</td><td>Clear</td></tr><tr><td>Viscosity Part A</td><td>3000-5000 cps</td></tr><tr><td>Viscosity Part B</td><td>15-20 cps</td></tr><tr><td>Viscosity Mixed at 25°C</td><td>2000 cps</td></tr><tr><td>Specific gravity Part A</td><td>1.14</td></tr><tr><td>Specific gravity Part B</td><td>0.97</td></tr><tr><td>Specific gravity Mixed</td><td>1.1</td></tr></table>	Mixing Ratio	4 Part A to 1 Part B	Working Time	8 minutes at 25°C	Minimum Cure Time at 15°C	4 hours	Minimum Cure Time at 25°C	2 hours	Minimum Cure Time at 35°	1 hour	Minimum Application Temperature	10°C	Maximum Operating Temperature	80°C	Colour Part A	Clear	Colour Part B	Clear	Appearance Mixed	Clear	Viscosity Part A	3000-5000 cps	Viscosity Part B	15-20 cps	Viscosity Mixed at 25°C	2000 cps	Specific gravity Part A	1.14	Specific gravity Part B	0.97	Specific gravity Mixed	1.1
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<b>MEGAPOXY 108 MORTAR</b>	Premix in a plastic bucket one volume of mixed Megapoxy 108 (4 parts 'A' and 1 part 'B') and while mixing add gradually three volumes of silica 50N sand. For mixing use slow speed (approx. 200 rpm) drill fitted with a propeller type stirrer. For safety information please refer to MSDS.
<b>CLEANING</b>	To keep mixing implements and working tools clean use Megapoxy Thinners. Use disposable rubber gloves to protect hands and maintain proper industrial hygiene.
<b>AVAILABILITY</b>	Megapoxy 108 is available in 6 litre & 18 litre kits.
<b>TECHNICAL SERVICE</b>	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.