

Airport Lighting Installation Compound

Technical Data Sheet

DESCRIPTION	<p>Megapoxy CT5 Slow is an Australian manufactured compound for backfilling and encapsulating inductive detector loops, weigh in motion sensors and aircraft landing lights on asphaltic and concrete roadways. Megapoxy CT5 Slow is a cold pour and applied liquid that sets in all weather conditions minimising road and or lane closure. The non brittle, quick cure properties of Megapoxy CT5 Slow makes it ideal for long term encapsulation.</p> <p>The addition of sand and aggregate can be used for high build and bulk applications as outlined on page 2.</p> <p>Megapoxy CT5 Slow is black with a simple 1:1 mix ratio by volume. In each kit Part A and Part B are measured in correct mixing ratio for immediate use. Megapoxy CT5 Slow can be stored for long periods and is readily available Australia wide.</p>																																			
RECOMMENDED APPLICATIONS	<ul style="list-style-type: none">• Aircraft landing lights• Hearing Loops• Traffic Loops	<ul style="list-style-type: none">• Detector Loops• Roadway Lighting• Automatic Gate Loops																																		
PROPERTIES	<table><tr><td>Mixing Ratio by Volume</td><td>1 Part A to 1 Part B</td></tr><tr><td>Work Time at 25°C:</td><td>20 minutes</td></tr><tr><td>Minimum Cure Time at 15°C</td><td>20 hours</td></tr><tr><td>Minimum Cure Time at 25°C</td><td>10 hours</td></tr><tr><td>Minimum Cure Time at 35°</td><td>3 hours</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>Viscosity Part 'A' at 25°C</td><td>1300-1700cps</td></tr><tr><td>Viscosity Part 'B' at 25°C</td><td>8000-12000cps</td></tr><tr><td>Mixed Viscosity Part 'A' at 25°C</td><td>6500 cps</td></tr><tr><td>S.G. Part A at 25°C</td><td>1.10 -1.14</td></tr><tr><td>S.G. Part B at 25°C</td><td>0.96 - 0.98</td></tr><tr><td>Mixed S.G. at 25°C</td><td>1.03</td></tr><tr><td>Colour Part A</td><td>Black</td></tr><tr><td>Colour Part B</td><td>Clear to pale yellow</td></tr><tr><td>Appearance Mixed</td><td>Black</td></tr><tr><td>Hardness - Shore D - ASTM D2240-00</td><td>60 minimum</td></tr></table>		Mixing Ratio by Volume	1 Part A to 1 Part B	Work Time at 25°C:	20 minutes	Minimum Cure Time at 15°C	20 hours	Minimum Cure Time at 25°C	10 hours	Minimum Cure Time at 35°	3 hours	Minimum Application Temperature	10°C	Maximum Operating Temperature	80°C	Viscosity Part 'A' at 25°C	1300-1700cps	Viscosity Part 'B' at 25°C	8000-12000cps	Mixed Viscosity Part 'A' at 25°C	6500 cps	S.G. Part A at 25°C	1.10 -1.14	S.G. Part B at 25°C	0.96 - 0.98	Mixed S.G. at 25°C	1.03	Colour Part A	Black	Colour Part B	Clear to pale yellow	Appearance Mixed	Black	Hardness - Shore D - ASTM D2240-00	60 minimum
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ADVANTAGES	<ul style="list-style-type: none">• Australian Made• Rapid setting• Flexible with high dielectric strength	<ul style="list-style-type: none">• Mixes and blends easily• Adheres and cures under adverse conditions (cold and damp)																																		

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METHOD OF USE	<ol style="list-style-type: none"> 1. Measure out 1 volume of Part A and 1 volume of Part B of Megapoxy CT5 Slow. Place into a clean mixing vessel, such as a plastic bucket, and stir thoroughly for at least 3 minutes or until uniform consistency is achieved. Ensure that the sides and bottom of the mixing vessel have been scraped and that no unmixed material remains in these areas. 2. Megapoxy CT5 Slow should be mixed thoroughly, the use of a mechanical mixer can be used, however it is important to keep splashing and air entrapment to a minimum. Once mixed, Megapoxy CT5 Slow should be completely uniform and homogenous with no streaks. 3. Inaccuracies and poor mixing will result in lower physical properties of the cured system and, if the error is sufficiently large, the system may not cure satisfactorily and discolour on ageing. 4. It is essential that the correct mixing ratio be used and that the Part A and Part B are thoroughly mixed together before adding fine and dry epoxy quality sand. <p>The purpose of adding fine aggregate (blue stone) and dry epoxy quality sand, is to make the Megapoxy CT5 Slow flow less. If sand is to be used, add gradually while mixing and continue mixing until uniform and homogenous.</p> <p>Note that 1 litre of mixed resin and 1 litre of sand does not equal 2 litres of mixed material.</p> <p>Air voids in the sand total approximately 40% and the resin fills these voids, therefore the increment of mixed material does not double.</p>
IMPORTANT INFORMATION	<p>It is essential that the correct mixing ratio be used and that the Part A and Part B are thoroughly mixed together before use. Inaccuracies and poor mixing will result in lower physical properties of the cured system and, if the error is sufficiently large, the system may not cure satisfactorily and discolour on ageing.</p>
CLEANING	<p>To keep mixing implements and working tools clean, use Megapoxy Thinners. Use disposable rubber gloves to protect hands and maintain proper industrial hygiene. For further details refer to the Megapoxy CT5 Safety Data Sheets.</p>
PACKAGING	<p>Megapoxy CT5 Slow is available in 20lt kits. Product should be stored in cool dry store.</p>
TECHNICAL SERVICE	<p>All purchasers of Megapoxy Products, are encouraged to avail themselves of our Technical Service for our Megapoxy Products. The information in this Bulletin is correct at time of publication, however continual research and development is being carried out and specs may change without notice.</p>
ADVANTAGES	<ul style="list-style-type: none"> • Australian Made • Rapid setting • Flexible with high dielectric strength • Mixes and blends easily • Adheres and cures under adverse conditions (cold and damp)