

### Slot Sealant For Vehicle Detection Loops

#### Technical Data Sheet

<b>DESCRIPTION</b>	MEGAPOXY LSS/5 is an effective loop sealant which provides a low dielectric encapsulation for detector cables. MEGAPOXY LSS/5 is easy to prepare and is suitable for use under field conditions involving a wide temperature variation and strong winds. MEGAPOXY LSS/5 has very low water absorption characteristics and negligible shrinkage on setting. It has excellent adhesion to road pavement materials and is sufficiently flexible to allow for movement in the pavement. MEGAPOXY LSS/5 is Not effected by oils, fuels, water etc. and is rapid curing and of low toxicity.	
<b>RECOMMENDED APPLICATIONS</b>	<ul style="list-style-type: none"><li>• Aircraft landing lights</li><li>• Hearing Loops</li><li>• Traffic Loops</li><li>• Detector Loops</li><li>• Roadway Lighting</li><li>• Automatic Gate Loops</li></ul>	
<b>PROPERTIES</b>	Mixing Ratio by Volume	1 Part A to 1 Part B
	Work Time at 25°C:	8 minutes at 25°C
	Minimum Cure Time at 15°C	12 hours
	Minimum Cure Time at 25°C	6 hours
	Minimum Cure Time at 35°	3 hours
	Minimum Application Temperature	10°C
	Viscosity Part 'A' at 25°C	1500-2500cps
	Viscosity Part 'B' at 25°C	5000-8000cps
	Mixed Viscosity Part 'A' at 25°C	2900 cps
	S.G. Part A at 25°C	1.12 -1.16
	S.G. Part B at 25°C	0.96 - 0.98
	Mixed S.G. at 25°C	1.05
	Colour Part A	Clear
	Colour Part B	Clear to pale yellow
	Appearance Mixed	Clear to pale yellow
	Hardness - Shore D - ASTM D2240-00	60-70 @ 25 minimum
<b>CURED PROPERTIES</b>	Compressive Strength	22MPa
	Tensile Strength	10 MPa
	Elongation and Break	40%
	Hardness - Shore D - ASTM D2240-00	60-70 @ 25 minimum

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<b>METHOD OF USE</b>	<ol style="list-style-type: none"> <li>1. Measure out 1 volume of Part A and 1 volume of Part B of Megapoxy LSS5. 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.</li> <li>2. Megapoxy LSS5 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 LSS5 should be completely uniform and homogenous with no streaks.</li> <li>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.</li> <li>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.</li> </ol> <p>The purpose of adding fine aggregate (blue stone) and dry epoxy quality sand, is to make the Megapoxy LSS5 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>
<b>IMPORTANT INFORMATION</b>	<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>
<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. For further details refer to the Megapoxy LSS5 Safety Data Sheets.</p>
<b>PACKAGING</b>	<p>Megapoxy LSS5 is available in 20lt kits. Product should be stored in cool dry store.</p>
<b>TECHNICAL SERVICE</b>	<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>