



Technical Data Sheet

DESCRIPTION	<p>Megapoxy Low Viscosity Sealer is a two component, resin based, low viscosity, liquid resin, that has been developed as penetrating sealer and primer. It can be used to seal, harden and waterproof many types of porous substrates, including; concrete, timber, bricks, mortar and natural stone.</p> <p>Primer for Megapoxy Floor Coating products. It must be applied to thoroughly dry substrates.</p>	
RECOMMENDED APPLICATIONS	<ul style="list-style-type: none"> • Internal sealing of concrete tanks • Waterproofing walls and floors • Internal sealing of bricks and mortar • Sealing/Priming of concrete floors • Protection of structural concrete • Toughening Timber Surfaces 	
PROPERTIES	<p>Mixing Ratio by Volume</p> <p>Work Time at 25°C:</p> <p>Minimum Cure Time at 15°C</p> <p>Minimum Cure Time at 25°C</p> <p>Minimum Cure Time at 35°</p> <p>Thin Film Cure at 25°C</p> <p>Minimum Application Temperature</p> <p>Viscosity Part A at 25°C</p> <p>Viscosity Part B at 25°C</p> <p>Mixed Viscosity at 25°C</p> <p>S.G. Part A at 25°C</p> <p>S.G. Part B at 25°C</p> <p>Mixed S.G. at 25°C</p> <p>Colour Part A</p> <p>Colour Part B</p>	<p>2 Part A to 1 Part B</p> <p>30 minutes</p> <p>48 hours</p> <p>24 hours</p> <p>12 hours</p> <p>4 hours</p> <p>10°C</p> <p>100 - 140cps</p> <p>10 - 20cps</p> <p>90cps</p> <p>1.00 - 1.10</p> <p>0.91 - 0.94</p> <p>1.01</p> <p>Clear</p> <p>Clear</p>
CURED PROPERTIES	<p>Compressive Strength - ASTM D695</p> <p>Bond Strength Concrete - ASTM D4541</p> <p>Tensile Bond Strength Steel - ASTM D897</p> <p>Modulus of Elasticity - ASTM D695</p> <p>Flexural Strength - ASTM D790</p> <p>Tensile Strength - ASTM D638</p> <p>Tensile Shear Strength - ASTM D1002</p> <p>Hardness - Shore D - ASTM D2240</p> <p>80Mpa</p> <p>>3Mpa</p> <p>20Mpa</p> <p>11Gpa</p> <p>40Mpa</p> <p>40Mpa</p> <p>13Mpa</p> <p>75 minimum</p>	

Technical Data Sheet

CHARACTERISTICS	<ul style="list-style-type: none"> • Thin Liquid • Mixes easily by hand • Very high strength permanent bonds • Excellent tensile and compressive strengths, superior to concrete • Excellent chemical resistance • Penetrative into porous substrates
SURFACE PREPARATION	<p>Concrete</p> <p>Concrete should be free from grease and oil. If necessary, clean with industrial heavy duty degreaser. When clean, remove surface laitance. This is best done by mechanical abrasion such as scabbling, grit blasting or grinding. If this is not possible acid etching must be carried out. Mix concentrated hydrochloric acid with equal volume of water and spread at the rate of 0.5 litre per square meter of concrete surface. Allow to react for about 10 minutes and wash the area thoroughly and scrub with a stiff bristled broom to remove loose sand.</p> <p>Allow to dry for 24 hours. For maximum adhesion the concrete should be dry.</p> <p>Metal Surfaces</p> <p>Metals should be grit blasted to AS CK 9.4 - 1964 Class 3 finish. If this is not possible, mechanically abrade the surface to a clean, bright metal surface. Once this abrasion is complete, degrease the surface by flooding with an industrial grade degreaser. Wire brushing is not entirely satisfactory and gives minimal adhesion only.</p> <p>Timber</p> <p>Remove any damaged, loose or rotted timber, back to a clean, dust free surface.</p> <p>Coated Surfaces</p> <p>It is recommend to remove all coatings prior to bonding, bonding to coated surfaces will give inferior bond strengths compared to bonding directly to a prepared substrate.</p> <p>Concrete:</p> <p>The surface may be either flame-cleaned, or mechanically treated with a scutching tool, to remove all traces of paint. Complete the preparation by diamond grinding or scabbling.</p> <p>Metals:</p> <p>Steps should be taken to remove all paint and/or galvanizing. Good quality paint stripper should be used, followed by grit blasting or grinding to a bright metal finish.</p>
APPLICATION	<p>Mix Parts A and B thoroughly at the ratio; 2 Parts A to 1 Part B by volume.</p> <p>Apply by brush or roller to prepared substrate.</p> <p>Priming</p> <p>Minimum of 1 coat is required prior to overcoating with Megapoxy floor coating products.</p> <p>Coating, Sealing or Hardening</p> <p>Minimum of 2 coats is required.</p> <p>Megapoxy LVS should be applied as thinly as possible and not allowed to pool.</p> <p>If any pooling occurs, wipe up excess to leave a thin film of on the surface being coated.</p> <p>Allow to cure for 18 to 24 hours before opening to traffic.</p>

Technical Data Sheet

COVERAGE	<p>Concrete:</p> <p>Wood Float Finish: 75m² per 15 litre kit.</p> <p>Steel Float Finish: 150m² per 15 litre kit.</p> <p>Bricks: 75m² per 15 litre kit.</p> <p>Timber: 75m² per 15lt kit.</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 LVS Safety Data Sheet.</p>
PACKAGING	<p>Megapoxy LVS is available in 6lt & 15lt kits.</p> <p>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>