

Alumina Bead Wear Resistant Lining

Technical Data Sheet

DESCRIPTION	<p>Megadure Ceramic is a HIGH ALUMINA BEAD two component gap filling epoxy paste, wear resistant lining. Megadure Ceramic is designed for protection of equipment in mines, ball mills, coal fired plants, dredging operations, abrasive slurry pumps, bulk handling and processing equipment where extreme abrasion resistance is required. Megadure Ceramic is also suitable for grouting between wear resistant high alumina ceramic tiles, pipe fittings and lining steel surfaces.</p> <p>Megadure Ceramic is green in colour when fully cured and can be applied by trowel or spatula and cures under ambient conditions within 8 Hours. Megadure Ceramic is proudly Australian manufactured.</p> <p>Megadure Ceramic is available in 2 formulations, standard setting and fast setting.</p> <table><thead><tr><th>2kg Kit</th><th>Temp</th><th>Standard</th><th>Quick Set</th></tr></thead><tbody><tr><td>Work time</td><td>@25°C @15°C</td><td>30 minutes 60 minutes</td><td>10 minutes 20 minutes</td></tr><tr><td>Initial Cure</td><td>@25°C @15°C</td><td>6 hours 12 hours</td><td>2 hours 4 hours</td></tr><tr><td>Full Cure</td><td>@25°C @15°C</td><td>24 hours 48 hours</td><td>12 hours 24 hours</td></tr></tbody></table> <p>Minimum application temperature of 10°C. Curing schedules are dependent with on site conditions and may vary accordingly. The above curing schedule should be used as a guide only.</p>	2kg Kit	Temp	Standard	Quick Set	Work time	@25°C @15°C	30 minutes 60 minutes	10 minutes 20 minutes	Initial Cure	@25°C @15°C	6 hours 12 hours	2 hours 4 hours	Full Cure	@25°C @15°C	24 hours 48 hours	12 hours 24 hours
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AVAILABILITY	Megadure Ceramic is available Australia wide in 2 kg kits. Megadure Ceramic is pre-metered in correct proportions for immediate use.																
DIRECTIONS	Add Part B (hardener) to Part A (resin) slowly with continual mixing. Thorough mixing is essential, incomplete mixing will result in poor physical properties.																
YIELD	1 x 2 kg kit of Megadure Ceramic will yield 0.5 m ² at 2mm thickness.																

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SURFACE PREPARATION	<p>METALS:</p> <p>Metals should be grit blasted to AS CK 9.4 Class 3 finish. If this is not possible, mechanically abrade to clean bright metal surface and degrease by flooding the abraded surface with a proprietary degreaser. Wire brushing is not entirely satisfactory and gives minimal adhesion only and is not recommended.</p> <p>CONCRETE:</p> <p>Concrete should be free from grease and oil. If necessary, clean with industrial heavy-duty degreaser. When clean, remove surface laitence. This is best done by mechanical abrasion such as scabbling, grit blasting or grinding. For maximum adhesion concrete should be completely dry and free of any loose particles dust and dirt.</p> <p>PAINTED SURFACES</p> <p>METALS:</p> <p>Steps should be taken to remove all paint followed by grit blasting.</p> <p>CONCRETE:</p> <p>The surface may be either flame-cleaned, or Mechanically treated by grinding or similar, to remove all traces of paint. Complete the concrete preparation by grinding, scabbling, shot blasting or scarifying.</p>
TECHNICAL SERVICE	<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>
HEALTH AND SAFETY	<p>Before handling this product, user should familiarize themselves with the health and safety information provided in Bulletin No.100 Industrial Hygiene Practices and the Material Safety Data Sheet.</p>