

### MEGAPOXY 206 HEAVY DUTY GROUT

<b>DESCRIPTION</b>	<p>Megapoxy 206 is a two component, flowable, 100% solids, solvent-free hydrophilic epoxy grout suitable for:</p> <ul style="list-style-type: none"> <li>• Grouting Machinery</li> <li>• Locking Bearings</li> <li>• Setting Anchor Bolts</li> <li>• Chocking of Machinery</li> <li>• Rail track grouting</li> <li>• Bridge Bearing pads</li> </ul>
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<b>PRODUCT SPECIFICATION</b>	<p>Megapoxy 206 part "A" is a Grey thick liquid and is packed in a re-sealable plastic container.</p> <p>Megapoxy 206 part "B" is a Blue thin liquid and is supplied in a screw capped plastic bottle.</p>
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<b>METHOD OF USE</b>	<ol style="list-style-type: none"> <li>1. Seal all crevices with Megapoxy PF (rapid set putty), so that grout mixture does not leak out.</li> <li>2. Stir Megapoxy 206 part "A" first. Add Megapoxy 206 part "B" slowly with continual mixing.</li> <li>3. Using a low speed electric drill mix until uniform Grey appearance, approximately 3 minutes.</li> <li>4. Megapoxy 206 must be used immediately after mixing.</li> <li>5. If ambient temperature is high, Megapoxy 206 should be stored in a cool place until used. High ambients will lead to shortened usable life.</li> <li>6. Topping up can be carried out at a later date when convenient.</li> <li>7. If adhesion is not required, formwork surfaces should be coated with Waxor grease-based release agent.</li> <li>8. Allow Megapoxy 206 to harden before applying stress.</li> </ol>
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	25°C	15°C
Work Time whole pack mix	: 30 Minutes	60 Minutes
Setting Time	: 6 Hours	12 Hours
Cure Time	: 24 Hours	48 Hours

<b>AVAILABILITY</b>	<p>Megapoxy 206 Heavy Duty Grout is available in 6.0 litre and 17 litre kits.</p> <p>Megapoxy PF rapid set putty is available in 4 litre kits.</p>
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<b>PRODUCT SPECIFICATION</b>		<b>PART "A"</b>	<b>PART "B"</b>
Colour		Grey	Blue
Viscosity cP at 25°C		: 10,000 - 14,000	1000 - 2000
Specific Gravity		: 1.6	0.9
Flash Point		: Above 100°C	Above 100°C
Shelf Life		: 2 years min.	2 years min



<b>KIT PROCESSING DATA</b>	Kit Size 6.0 litre kit	: 7.9 kg Part A, 1.0 kg Part B
	Coloured when mixed	: Grey
<b>CURED PROPERTIES</b>	Tensile Strength - Ultimate	: 40 - 45 MPa
	Tensile Shear Strength ASTM D695-96	: 11 - 13 MPa
	Compressive Strength ASTM D695-96	: 60 MPa 24 hours
		: 100 MPa, 7 days
	Adhesion to Concrete	: > 2.8 MPa concrete fails
	Application temperature	: > 5° Celsius
	Flexural Strength ASTM D695-96	: 30 Mpa

All tests conducted at 25° Celsius

**STEEL ANCHORING** For anchoring steel into concrete drill a hole approximately 1.5 diameters of the steel to be grouted. Any dust or foreign matter must be blown out with oil-free, dry compressed air. Set the steel into the hole and pour the above Megapoxy 206 formulation from one side to allow air to escape. The steel should be grit blasted and degreased to achieve good bond.

<b>TYPICAL PULL OUT STRENGTH 40 MPA CONCRETE</b>	14 mm deformed bar inserted to depth 10 x diameter of bar	> 50 kN
	25 mm deformed bar inserted to depth 8 x diameter of bar	> 150 kN
	14 mm deformed bar inserted to depth 8 x diameter of bar	> 50 kN
	25 mm deformed bar inserted to depth 10 x diameter of bar	> 150 kN

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