

Low Viscosity High Impact Crusher Backing

Technical Data Sheet

DESCRIPTION	<p>Megapoxy High Impact Crusher Backing Low Viscosity is a two component, heavy duty, 100% solids, high strength, pourable epoxy grout, for use in the backing and reinforcement of metal liner plates and the filling of gaps between liners and support structures. It can be used in Cone Crushers, Primary Gyratory Crushers, Rotating Mills, Pulverisers, and for many other grouting applications in the mining and quarry industries. It has excellent impact and compressive strength.</p> <p>Megapoxy HICB is volatile organic compounds free (Nil V.O.C.)</p>	
RECOMMENDED APPLICATIONS	<ul style="list-style-type: none"> • Cone Crusher • Grinding Mills • Locking Bearings • Choking Of Machinery 	<ul style="list-style-type: none"> • Gyratory crusher • Grouting Machinery • Setting Anchor Bolts • Rail Track Grouting
PROPERTIES	Mixing Ratio by Volume	Mix complete kit
	Work Time at 25°C:	45 minutes
	Minimum Cure Time at 15°C	48 Hours
	Minimum Cure Time at 25°C	24 Hours
	Minimum Cure Time at 35°C	12 Hours
	Minimum Application Temperature:	10°C
	Viscosity Part A at 25°C	7080cps
	Viscosity Part B at 25°C	86cps
	Mixed Viscosity at 25°C	4800cps
	S.G Part a at Viscosity Part A at 25°C	1.51
	S.G Part a at Viscosity Part B at 25°C	0.97
	Mixed S.G at 25°C	1.45
	Colour Part A	Natural
	Colour Part B	Blue
	Appearance Mixed	Green
CURED PROPERTIES	Compressive Strength - ASTM 695-96	110MPa
	Bond Strength Concrete - ASTM 454	>3MPa (Concrete Failure)
	Tensile Bond Strength Steel - ASTM 1002	20 MPa
	Modulus of Elasticity - ASTM 695	7.7Gpa
	Flexural Strength	30MPa
	Tensile Strength	45 MPa
	Tensile Shear Strength	13MPa
	Hardness - Barcol 935	80

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CHARACTERISTICS	<ul style="list-style-type: none"> • VOC Free • Pre-Metered Kits • Mixes Easily - By Hand or Mechanical • Flowable • High Impact Strength • High Strength Bonds • Excellent Tensile & Compressive Strengths, Superior To Concrete • Excellent Chemical Resistance • Minimum/Maximum Casting Thickness: 2mm to 50mm
SURFACE PREPARATION	<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>
METHOD OF USE	<ol style="list-style-type: none"> 1. Seal all crevices with putty (such as Megapoxy PF Rapid set putty) so that backing mixture does not leak out. 2. Make certain no settling has occurred in the resin by stirring until uniform. 3. Add the hardener (Part B) slowly with continual mixing. 4. Using low speed electric mixer, mix for a minimum of 2 minutes, making sure scrape the base of the bucket and not aerating the Megapoxy HICBLV 5. After 2 minutes, scrape the sides. 6. Mix for another 1 minute minimum. 7. The Megapoxy HICBLV should now be uniform in colour. 8. The mixture must be used immediately after mixing. <ul style="list-style-type: none"> • If ambient temperature is high, the kits should be stored in as cool a place as possible. • High ambients will lead to greatly shortened usable life. • If topping up is required, then this can be carried out at a later date when it is convenient.. • Allow Megapoxy HICBLV to harden before returning crusher into service.
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. Use disposable rubber gloves to protect hands and maintain proper industrial hygiene.</p> <p>For further details refer to the Megapoxy HICBLV Safety Data Sheet.</p>
PACKAGING	<p>Megapoxy HICBLV is available in 6lt kits. Product should be stored in cool dry store.</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>