

## Technical Bulletin MEGAPOXY

### MEGAPOXY HIGH IMPACT CRUSHER BACKING

Megapoxy High Impact Crusher backing is a two component pourable epoxy grout for:

- Backing Crusher Parts
- Grouting Machinery
- Locking Bearings
- Setting Anchor Bolts
- Chocking of Machinery

Part 'A' is a white low viscosity liquid and is packed in a re-sealable plastic bucket.

Part 'B' is a blue coloured liquid and is packed in a screw capped plastic bottle.

Accelerator is a clear brown liquid and is packed in a 250ml tin.

#### METHOD OF USE

- 1 Seal all crevices with putty so that the backing mixture does not leak out.
- 2 Make certain no settling has occurred in the resin by stirring, then add the hardener (Part 'B') slowly with continual mixing.
- 3 Using low speed electric drill, mix well, but do not aerate.
- 4 Mix until uniform colour is obtained.
- 5 The mixture must be used immediately after mixing.
- 6 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.
- 7 If topping up is required, then this can be carried out at a later date when it is convenient.
- 8 If adhesion is not required, one or both surfaces should be coated with wax or grease based release agent.
- 9 Allow Megapoxy HICB to harden before returning crusher into service.

**CAUTION ACCELERATOR:** Safety precautions must be observed in its use:

- 1: Wear Goggles to protect eyes
- 2: Wear rubber gloves to protect hands

If spilt on skin, remove any contaminated clothing, swab repeatedly with glycerine or polyethylene glycol or methylated spirits.

Apply moisturising cream to washed area of contact. White stain may appear on skin at point of contact, but is not harmful and will disappear in a day or so. If accidental spillage affect eyes, wash with copious amounts of water for at least 15 minutes and obtain medical assistance.

|                   |           | No Accelerator | Accelerator Added |
|-------------------|-----------|----------------|-------------------|
| Work Time (10kg m | : at 25°C | 30 minutes     | 10 minutes        |
|                   | : at 15°C | 60 minutes     | 20 minutes        |
| Setting Time      | : at 25°C | 6 hours        | 2 hours           |
|                   | : at 15°C | 12 hours       | 4 hours           |
| Cure Time         | : at 25°C | 24 hours       | 6 hours           |
|                   | : at 15°C | 48 hours       | 12 hours          |

Maximum Casting Thickness : 50mm

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Megapoxy High Impact Crusher backing is available in 10.0kg packs. All components are premeasured in correct proportions for immediate use.

### PRODUCT SPECIFICATION

|                        |                             |                         |
|------------------------|-----------------------------|-------------------------|
| Viscosity cps at 25°C: | Part 'A'<br>10,000 - 14,000 | Part 'B'<br>1000 – 2000 |
| Specific Gravity:      | 1.7                         | 1.0                     |
| Flash Point:           | above 100°C                 | above 100°C             |
| Shelf Life:            | 2 years min                 | 2 years min             |

### KIT PROCESSING DATA

|              |                |
|--------------|----------------|
| Kit Size     | 9.1kg Part 'A' |
|              | 0.9kg Part 'B' |
| Volume Total | 6.25 Litres    |

### CURED PROPERTIES

|                        |               |
|------------------------|---------------|
| Tensile Strength       | 40 - 45 Mpa   |
| Tensile Shear Strength | 11 - 13 Mpa   |
| Compressive Strength   | 105 - 120 Mpa |

