

MEGAPOXY HIGH IMPACT CRUSHER BACKING

Issue 2, 12/2005

Pourable epoxy grout

Summary

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

Product specification

	Part A	Part B
Colour	Buff coloured	Blue
Viscosity cP at 25°C	10,000-14,000	1000-2000
Specific gravity	1.7	1.0
Flash point	>100°C	>100°C
Shelf life	2 years min.	2 years min.

Cured properties

Tensile strength: 40 - 45 MPa
Tensile shear strength: 11-13 MPa
Compressive strength: 105 - 120 MPa

Method of use

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, then add the hardener (Part B) slowly with continual mixing.
3. Using a 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.

Safety precautions

Caution Accelerator

Safety precautions must be observed in its use:

1. Wear goggles to protect eyes
2. Wear rubber gloves to protect hands.

MEGAPOXY HICB

Safety precautions (continued)

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 affects eyes, wash with copious amounts of water for at least 15 minutes and obtain medical assistance.

Timings

		Non-accelerated	Accelerated
Work time (10 kg mix)	25°C	30 minutes	10 minutes
	15°C	60 minutes	20 minutes
Setting time	25°C	6 hours	2 hours
	15°C	12 hours	4 hours
Cure time	25°C	24 hours	6 hours
	15°C	48 hours	12 hours

Casting thickness

Maximum casting thickness is 50 mm.

Availability

Megapoxy High Impact Crusher Backing is available in 10.0 kg packs. All components are premeasured in correct proportions for immediate use. Megapoxy PF is available in 4 litre kits.

Cleaning up

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 Bulletin No. 100.

Technical service

All purchasers of MEGAPOXY products are invited to avail themselves of our technical service on epoxy base materials. 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.

Please do not hesitate to contact us, for any additional information.