

MEGADURE CERAMIC

Issue 1, 04/2001

Wear resistant lining

Summary

Megadure Ceramic is designed for protection of equipment in mines, coal fired plants, dredging operations, crushed stone quarries and industrial environments where high abrasion resistance is required. Megadure Ceramic has excellent abrasion and chemical resistance and is suited for sliding abrasion, low application temperature. Megadure Ceramic is available in standard setting and fast setting.

Curing schedules

		Standard	Fast setting
Work time (2.0 kg mix)	- at 25°C	30 min	10 min
	- at 15°C	60 min	20 min
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

Curing schedules are dependent with on site conditions and may vary accordingly.

The above curing schedule should be used as a guide.

Availability

Megadure Ceramic is available in 2 kg kits. Ceramic is premixed 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

One kit of Megadure Ceramic will yield 0.5 m² at 2mm thickness.

Surface preparation

METALS

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 Megapoxy De-greaser. Wire brushing is not entirely satisfactory and gives minimal adhesion only.

CONCRETE

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. If this is not possible acid etching must be carried out. Mix concentrated hydrochloric acid with equal volume of water and spread at the rate of 0.5 litre per square metre of concrete

Surface preparation (continued)

surface. Allow reacting for about 10 minutes and washing the area thoroughly and scrubbing with a stiff bristled broom to remove loose sand. Allow to dry for 24 hours. For maximum adhesion concrete should be surface dry.

PAINTED SURFACES

- **Metals-** Steps should be taken to remove all paint. Good quality paint stripper should be used followed by grit blasting.
 - **Concrete-** The surface may be either flame-cleaned, or mechanically treated with a scutching tool. Complete the preparation by grinding or scabbling.
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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.