

## MEGAPOXY 132

### LAMINATING EPOXY RESIN

Megapoxy 132 is a two component solventless low viscosity epoxy resin recommended for the use with fibreglass cloth or chopped strand mat for lining tanks, vats, sumps and sheathing boats where a high quality resin of low viscosity is required.

Megapoxy 132 with fiberglass will provide excellent protection against chemical attack, abrasive wear and other applications for service in the marine environment.

### PRODUCT SPECIFICATION

Shelf life	: 2 years
Appearance Part A	: Clear Liquid
Part B	: Clear Liquid
Mixing Proportions by volume	: 2 Parts "A" to 1 Part "B"
Work Time of 1 Litre mix	: 30 minutes at 25°C
Tack free time	: 6 hours at 25°C
Cure Time ( minimum )	: 24 hours at 25°C
Density	: 1.1 g/cm <sup>3</sup>

### PROPERTIES OF THE CURED LINING

#### 4 PLY LINING

Compressive Strength	: 90 MPa
Tensile Strength	: 110 MPa
Elongation at break	: 4 %
Flexural Strength, ultimate	: 180 MPa
Impact strength, 12.7 mm x 12.7 mm	: 16 Joules
Coefficient of thermal expansion	: 1.2 x 10 <sup>-5</sup>
Tensile bond strength	: 24 MPa
Barcol hardness 934	: 23



Megapoxy 132 has the following advantages:

1. Low viscosity, which permits relatively high filler loadings
2. Excellent curing, even at low temperatures and high humidity.
3. Flexibility, which affords good impact resistance.

MIXING

Add 2 parts “A” to 1 part “B” by volume in a clean and dry mixing vessel, stir thoroughly for 3 minutes using an appropriate mixing blade or paddle. Scrape the edges of the mixing container to ensure complete and thorough mixing has been achieved. Inaccurate and or incomplete mixing may give inferior performance.

CLEANING

All spillages and excess liquids can be cleaned using absorbent cloth or paper towels as soon as possible. We recommend the use of Megapoxy Cleaning Solvent. Clean equipment immediately after use. Cured Megapoxy 132 can only be removed by mechanical means only.

PACKAGING

Megapoxy 132 is available in 750ml, 1.5 and 4.5 litre kits.

SAFETY AND INDUSTRIAL HYGENE PRACTICES

When handling the unmixed materials and components, care should be taken to prevent the liquids from coming into contact with the skin and eyes. The use of protective clothes, gloves and safety goggles is recommended. Avoid inhalation of vapours. Refer to the Material Safety Data Sheet, (MSDS) for Megapoxy 132 and Bulletin 100, Recommended industrial Hygiene