

## Megapoxy 132

### FLOORING & LAMINATING RESIN

#### Description

MEGAPOXY 132 is a two-component solventless low viscosity epoxy system. With some flexibility the product has good impact resistance and retains excellent durability and chemical resistance. Megapoxy 132 conforms to the requirements of the Department of Primary Industry for coatings and flooring used in food processing establishments including export abattoirs.

#### Typical Uses

- ⊕ Laminating and sheathing
- ⊕ Timber strip composite construction
- ⊕ Vacuum bagging
- ⊕ Foam core composite construction
- ⊕ Fairing and adhesive applications with the addition of fillers e.g. microballoons
- ⊕ Non-slip floors and wear resistant floor toppings with addition of aggregates
- ⊕ Concrete repair

#### Features

- ⊕ Low viscosity
- ⊕ Easy to mix pre-measured kits
- ⊕ High mechanical strengths
- ⊕ Excellent chemical and wear resistance
- ⊕ Excellent moisture tolerance during and after cure
- ⊕ Easy to clean, dense, smooth and seamless
- ⊕ Easy application
- ⊕ Self-levelling

#### Packaging

Available in two sizes.

15 litre kit. Part A- 10 litres, Part B- 5 litres.

30 litre kit. Part A- 20 litres, Part B- 10 litres.

#### Technical Data

##### Product as supplied

- ⊕ Part A epoxy resin - clear or grey liquid [other colours available on request]
- ⊕ Part B formulated hardener – thin amber liquid

##### Mix Ratio

2 parts A to 1 part B by Volume

##### Viscosity

Mixed viscosity at 23°C – 300 to 800 cps

##### Cured Properties

- ⊕ Density approx.: 1.1 kg per litre
- ⊕ Compressive Strength (Ultimate): 60 MPa
- ⊕ Tensile Strength: 110 MPa
- ⊕ Tensile Bond Strength: 24 MPa
- ⊕ Flexural Strength: 60 MPa
- ⊕ Modulus of Elasticity:  $1.1 \times 10^4$  MPa
- ⊕ Elongation at break: 4%

#### Application Notes - General

##### Preparation

Good adhesion can only be achieved if proper pretreatment of surfaces to be bonded is carried out. With the exception of concrete, surfaces should be degreased, grit blasted or mechanically abraded and degreased again. Wire brushing is not adequate and will produce only minimal adhesion.

##### Preparation – Concrete

The surface must be free of grease, oil and other contaminants. If necessary, clean with industrial grade degreasing agent. Once clean, step must be taken to remove laitance, this is best achieved by grit blasting, however mechanical abrasion and acid etching are alternatives.

##### Mixing and Placement

Pour contents of Part B into Part A in correct proportions and mix thoroughly for 3-5 minutes with a power mixer,

ensuring all material around bottom and sides of container is incorporated. Do not aerate mix. If using fillers or pigments, add and mix again. Megapoxy 132 can be applied by brush or roller. Do not apply at temperatures below 10°C.

#### **Working Time (Pot Life)**

30 minutes at 25°C

15 minutes at 35°C

#### **Cure Time**

4 hours at 25°C

#### **Cleaning**

Spillage and excess should be cleaned up as soon as possible. Uncured Megapoxy 132 can be removed using Megapoxy Thinners. Once the product has cured only severe heat or prolonged immersion in a powerful solvent will break it down.

#### **Storage**

MEGAPOXY 132 has a shelf life exceeding one year sealed in the original containers and stowed in a dry environment at 15°C to 20°C.

#### **Safety Precautions**

Avoid contact with uncured product at all times. Use protective clothing including safety glasses and apply a barrier cream to skin areas that could be exposed. Refer to Material Safety Data Sheets for further information.

#### **First Aid**

If swallowed, DO NOT induce vomiting, give a glass of water and contact a Doctor or the Poisons Information Centre. If in eyes, hold eyes open and flood with copious amounts of clean water for at least 15 minutes and contact a Doctor. If skin contact occurs, remove contaminated clothes and wash skin with soap and warm water. If allergic response (irritation, wheezing, etc.) occurs seek medical advice. Refer to Material Safety Data Sheets for further information.

#### **NOTE**

As conditions may vary considerably in consuming industries, buyers and users must assess this product's performance for their own requirements.

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