

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 floorings 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 eg. Microballoons

Non-slip floors and wear resistant floor toppings with addition of aggregates

Concrete repair

Features

Low viscosity

Easy to mix premeasured 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-leveling

Packaging

Available in 2 sizes:

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

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

Technical Data

Product as supplied

Part A Epoxy resin - clear or grey liquid

Other colours are available on request

Part B Formulated hardener - thin amber liquid

Mix Ratio

2 parts A to 1 part B by Volume

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: 120 MPa

Modulus of Elasticity: 1.1×10^4 MPa

Elongation at break: 4 %

Application Notes

Surface Preparation - General

Good adhesion can only be achieved with proper pretreatment of surfaces to be bonded. With the exception of concrete, surfaces should be degreased, grit blasted or mechanically abraded and degreased again. Wire brushing is not satisfactory giving minimal adhesion only.

Surface Preparation – Concrete

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

Mixing and Placement

Pour contents of Part B into Part A and mix thoroughly for 3-5 minutes with a power mixer, or flat stirrer by hand, ensure all material around bottom and sides of container is incorporated. Do not aerate mix. If using fillers or pigments, add and mix. Megapoxy 132 can be applied by brush or roller. Do not apply at temperatures below 10 °C.

Working Time (Pot Life 1 litre mix)

30 minutes at 25 °C

15 minutes at 35 °C

Cure Time

4 hours at 25 °C

Cleaning

Spillages 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 15⁰C to 20⁰C.

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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