

Megapoxy 132 Flexible

FLEXIBLE EPOXY

Description

MEGAPOXY 132F is a specially formulated, solvent free, urethane modified, epoxy system designed for non-moving concrete construction and control joints (i.e. not expansion joints) and as a coating in high impact areas. Megapoxy 132F will support joint edges and resist spalling of concrete. The product gives excellent results where a tough flexible material is required.

Typical Uses

- ⊕ Sealing concrete construction joints
- ⊕ Factory floors
- ⊕ Parking structures
- ⊕ Ramps and driveways

Features

- ⊕ Simple 2:1 mix ratio
- ⊕ Mixes easily
- ⊕ Solvent free
- ⊕ High bond strengths
- ⊕ Self-levelling
- ⊕ Tough and flexible
- ⊕ Good chemical resistance

Packaging

Available in two 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 - white paste
- ⊕ Part B formulated hardener – blue liquid

Mix Ratio

2 parts A to 1 part B by volume

Cured Properties

- ⊕ Density: approx 1.1kg per litre
- ⊕ Maximum Operating Temperature: 70°C
- ⊕ Tensile Strength: 20 MPa
- ⊕ Tensile Bond Strength: 10 MPa
- ⊕ Flexural Strength: 15 MPa

- ⊕ 50% elongation at break
- ⊕ Plus or minus 4% joint movement
- ⊕ Barcol Hardness: 80 - 90

Application Notes – General

Joint Design

Maximum recommended joint width is 20mm. Maximum joint movement not to exceed plus or minus 4% of joint width. Note that the capacity of a material to stretch is related to its width to depth ratio.

Surface Preparation - General

Good adhesion can only be achieved if proper pretreatment of surfaces is carried out. With the exception of concrete, surfaces should be degreased, grit blasted or mechanically abraded and degreased again. Degreasing can be achieved using a solvent such as methylene-chloride, acetone, lacquer thinners (toluene), or trichloroethane etc; do not use alcohol, petrol or paint thinners. Wire brushing is not satisfactory, giving minimal adhesion only.

Surface Preparation – Concrete

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 achieved via grit blasting or mechanical abrasion.

Mixing and Placement

Measure accurate proportions and mix thoroughly with suitable power mixer. Avoid aeration of mix. Apply by pouring into joint slot. Do not apply at temperatures below 10°C.

Working Time (Pot Life)

30 minutes at 25°C

15 minutes at 35°C

Cure Time

24 hours at 25°C

Cleaning

Spillage and excess should be cleaned up as soon as possible. Uncured Megapoxy 132F 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 132F has a shelf life exceeding one year sealed in the original containers and stowed in a dry environment at 15⁰C to 25⁰C.

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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