

Megapoxy HX

LOW VISCOSITY PENETRATION EPOXY

Description

MEGAPOXY HX is a very low viscosity 100% reactive hydrophilic epoxy resin using recent advances in epoxy resin technology for superior penetration into substrates.

Typical Uses

- ⊕ Repair of cracked concrete by gravity penetration or low-pressure injection (refer to crack injection techniques for Megapoxy Epoxy Systems for further details)
- ⊕ Concrete, masonry and timber sealer/waterproofer
- ⊕ Primer for flooring and sealant applications
- ⊕ Binder for floor toppings
- ⊕ New to old concrete binder
- ⊕ Grouting bolts, reinforcement, stanchions and other inserts into concrete
- ⊕ Laminating resin for fibre glass

Features

- ⊕ Very low viscosity and enhanced penetration
- ⊕ Easy to mix premeasured kits
- ⊕ Dries clear
- ⊕ Bonds to wet surfaces
- ⊕ High mechanical strengths
- ⊕ Excellent chemical resistance
- ⊕ Excellent wet out characteristics for fibreglass

Packaging

Available in two sizes:

4 Litres kit: Part A – 3 litres, Part B – 1 litre

20 Litres kit: Part A – 15 litres, Part B – 5 litres

Technical Data

Product as supplied

- ⊕ Part A epoxy resin – thin clear liquid
- ⊕ Part B formulated hardener – thin clear liquid

Mix Ratio

3 parts A to 1 part B by Volume

Cured Properties

- ⊕ Density approx.: 1.1 kg per litre
- ⊕ Maximum Operating Temperature: 100°C
- ⊕ Compressive Strength (Ultimate): 95 MPa
- ⊕ Tensile Strength: 50 MPa
- ⊕ Tensile Bond Strength: 12 MPa
- ⊕ Flexural Strength: 35 MPa

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 an adequate surface preparation and will produce minimal adhesion only.

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 that all material around the bottom and sides of the container is incorporated. Do not aerate mix. If using fillers or pigments, add to mix. Do not apply at temperatures below 10°C.

Working Time (Pot Life)

60 minutes at 25°C

30 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 HX 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 HX 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.

Manufactured by
Vivacity Engineering Pty. Ltd.
A.C.N. 001 666 557
3 Sefton Road Thornleigh NSW 2120
Phone: (02) 875 3044
QUALITY ASSURANCE TO AS 3902
NATA Accreditation. Reg. N^o. 6219



Distributed by:

Permotech

Phone (08) 9303 4655

Fax (08) 9303 4677

U1/4 Achievement Way
Wangara WA 6065