

Megapoxy 154

WATER BORNE EPOXY

Description

MEGAPOXY 154 is a two equal part water borne epoxy system. It offers excellent adhesion, is easily mixed, is pourable, and cures to a tough impervious film. With this it has the convenience of easy water clean up.

Typical Uses

Floor sealing

Water-based primer

Waterproofing concrete and masonry

Curing agent

Bonding agent for mortars

As a binding agent for mortars and grouts for waterproofness and chemical resistance

Features

Simple 1:1 mix ratio

Mixes easily

High bond strength

Adheres and cures under damp conditions

Good chemical resistance

Can be diluted with water or thickened with cement

Solvent free

Water clean up

Can be over coated with almost any finishing paint.

Packaging

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

Technical Data

Product as supplied

Part A epoxy resin compound - white liquid

Part B formulated hardener - beige liquid

Mix Ratio

1 parts A to 1 part B by Volume

Cured Properties

Density approx.: 1.0 kg per litre

Compressive Strength (Ultimate): 20 MPa

Maximum Operating Temperature: 70°C

Application Notes - General

Surface Preparation - General

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 satisfactory giving minimal adhesion only. Metals should be primed with a 2-part epoxy resin primer before application of Megapoxy 154.

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. Add fillers or water as required and mix thoroughly. For best protection apply 2 coats. For coating dense surfaces add 1 part water to 3 parts mixed Megapoxy 154. Pour into a shallow tray for application by brush, roller or spray. Do not apply at temperatures below 10°C.

Coverage as a coating, smooth surface, 4 - 6 m² per litre per coat. Under normal conditions apply second coat within 24 hours of first coat application

For waterproofing applications it is essential to apply 2 coats at a minimum rate of 0.25 litres per square metre.

Working Time (Pot Life)

60 minutes at 25°C

Cure Time

24 hours min at 25°C

Clean Up

Spillage and excess should be cleaned up as soon as possible. Uncured **Megapoxy 154** can be removed using warm soapy water. Once the product has cured only severe heat or prolonged immersion in a powerful solvent will break it down.

Limitations

MEGAPOXY 154 is not UV resistant.

Storage

MEGAPOXY 154 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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