

Megapoxy 206

HIGH PERFORMANCE EPOXY GROUT

Description

MEGAPOXY 206 is a high strength pre-filled, solvent free epoxy grouting system offering superior performance for structural applications.

Typical Uses

Grouting where maximum flow and high strengths are required:

Grouting in bolts, inserts and starter bars

Grouting bridge bearing pads

Bedding machinery and rails

Grouting around timber, steel or concrete piles

Features

Excellent flow

Bonds to wet surfaces

Suitable for underwater applications

High mechanical strengths

Excellent chemical resistance

Packaging

Kit size 8.8 kg. Part A 7.9 kg component in 10 litre re-sealable plastic pail. Part B 0.9kg hardener in 1 litre plastic bottle. Enables mixing in part A container.

Technical Data

Product as supplied

Part A epoxy resin compound - grey coloured liquid.

Part B formulated hardener - thin clear liquid.

Cured Properties

Density - approx. 1.6 kg per litre

Maximum Operating Temperature - 100°C

Initial Mixed Viscosity - 6.8 Pa.s at 25°C

Compressive Strength (Ultimate) - 100 MPa

Tensile Strength - 45 MPa

Brinell Hardness - 36

Compressive Modulus - 4.0 GPa

Impact Resistance (Izod) - 2.5 kg/cm

Application Notes

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. 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

Concrete should 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.

Caution! Use recommended safety precautions when using solvents

Mixing and Placement

Pour contents of Part B into Part A container and mix thoroughly for 3-5 minutes with a power mixer, ensure all material around bottom and sides of container is incorporated. Do not aerate mix. Pour mixed material slowly into the prepared void from one side only so as to avoid air entrapment. Do not apply at temperatures below 5°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 206 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 206 has a shelf life exceeding one year sealed in the original containers and stowed in a dry environment at 15 to 25°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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