

Megapoxy CT

TAR EPOXY

Description

MEGAPOXY CT is a 100% solids epoxy tar, which provides excellent protection in corrosive environments. The coating is tough, resistant to physical change and will not flow with heat. It has excellent adhesion to road pavement materials and is sufficiently flexible to allow for some movement in the substrate.

Typical Uses

Protection of steel & concrete piles

Protection of exposed reinforcement

Waterproofing concrete structures

Non- skid surfacing of steel, asphalt and concrete with addition of suitable aggregates

Slot sealant for vehicle detection loops.

Embedment of airfield pavement lights

Features

Easy 1:1 mix ratio

Mixes easily

Solvent free

High bond strength

Good impact resistance

Withstands immersion in contaminated fresh or salt water

Very good chemical resistance

Packaging

Available in:

20 litres Kit. Part A-10 litres, Part B- 10 litres

Technical Data

Product as supplied

Part A epoxy resin - clear liquid

Part B Formulated hardener - black liquid

Mix Ratio

1 part A to 1 part B by Volume

Cured Properties

Density: approx. 1.1 kg per litre

Maximum Operating Temperature: 70°C

Compressive Strength: 22 MPa

Adhesive Strength to Concrete: 2.7 MPa

Adhesive Strength to Steel: 15 MPa

Elongation at break 40%

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! Follow all safety precautions when using solvents

Mixing and Placement

Measure accurate proportions and mix thoroughly by hand using a paddle or mechanically using a low speed paddle mixer. Avoid aeration of the mix. Do not apply at temperatures below 10°C.

Working Time (Pot Life)

15 minutes at 25°C

Cure Time

24 hours at 25°C

Clean Up

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

Storage

MEGAPOXY CT 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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