

MEGAPOXY CT5

AIRPORT LIGHTING INSTALLATION COMPOUND

DESCRIPTION

Megapoxy CT5 is an Australian manufactured compound for backfilling and encapsulating inductive detector loops, weigh in motion sensors, and Aircraft Landing Lights on asphaltic and concrete roadways. Megapoxy CT5 is a cold pour and applied liquid that sets rapidly in all weather conditions minimising road and or lane closure. The non brittle, quick cure properties of Megapoxy CT5 make it ideal for long term encapsulation. The addition of sand and aggregates can be used for high build and bulk applications as outlined on pages 2.

Megapoxy CT5 is black with a simple mix ratio of 1: 1 by volume. In each kit Part "A" and Part "B" are measured in correct mixing ratio for immediate use. Megapoxy CT can be stored for long periods and is readily available Australia wide.

ADVANTAGES

- Australian Made
- Simple 1 : 1 mix ratio
- Mixes and blends easily
- Rapid setting
- Adheres and cures under adverse conditions (cold and damp)

METHOD OF USE

1. Measure out 1 volume of Part "A" and 1 volume of Part "B" of Megapoxy CT5. Place into a clean mixing vessel, such as a plastic bucket and stir thoroughly for at least 3 minutes or until uniform consistency is achieved. Ensure that the sides and bottom of the mixing vessel have been scraped and that no unmixed material remains in these areas.
2. Megapoxy CT5 should be mixed thoroughly, the use of a mechanical mixer can be used, however it is important to keep splashing and air entrapment to a minimum. Once mixed, Megapoxy should be completely uniform and homogenous with no streaks.
3. Inaccuracies and poor mixing will result in lower physical properties of the cured system and, if the error is sufficiently large, the system may not cure satisfactorily and discolour on ageing.
4. It is essential that the correct mixing ratio be used and that the Part "A" and Part "B" are thoroughly mixed together before adding fine and dry epoxy quality sand.

The purpose of adding fine aggregate (blue stone) and dry epoxy quality sand, is to make the Megapoxy CT5 flow less. If sand is to be used, add gradually while mixing and mix until uniform and homogenous.

Note that 1 litre of Mixed resin and 1 litre of sand does not equal 2 litres. Air voids in the sand total approximately 40% so the increment is not double.



PROPERTIES

Colour	: Black
Mix Ratio, by volume	: 1:1
Viscosity, mixed	: 8 Minutes at 25°C
Work time	: 60 Minutes at 25°C
Initial set time	: 1.5 Hours at 25°C
Thin film touch dry time	: 6 hours @ 25degC
Film cure time	: 60 - 70 at 25°C
Minimum cure time	: 2 Years
Shore D Hardness	: 22 MPa
Shelf life	: 10 MPa
Compressive strength	: 40%
Tensile Strength	
Elongation at Break	

AVAILABILITY

MEGAPOXY CT5 is available in 20 litre kits. Shelf life of unopened kits is 2 years. Product should be stored in cool dry store.

CLEANING UP

Uncured Megapoxy CT5 can be removed with Megapoxy Thinners.

HEALTH AND SAFETY

Before handling this product, user should familiarise themselves with the health and safety information provided in Bulletin No.100 and the Material Safety Data Sheet for Megapoxy CT5.