

BLUSKY™POXYCRETE 2112

High Strength Epoxy Mortar for Floors and Roads

Description

BLUSKY™POXYCRETE 2112 is a three components solvent free, fast curing, high strength epoxy mortar. It is supplied in pre-measured quantities of component - A (Resin), component - B (Hardener) and Component - C (Graded Aggregate) according to the mixing proportion component.

Indicative Characteristics

Mixing Ratio (Pack A: B:C), by wt.	2:1:12
Specific Gravity at 27°C	1.8-2.0
Pot life, minutes, 30°C	>30 minutes
Comp. Strength, 24 hours, MPa	> 30
Comp. Strength, 14 days, MPa	> 70
Tensile Strength, N/mm ² , 14 days	15 (Minimum)
Flexural Strength, N/mm ² , 14 days	25 (Minimum)
Shear Bond Strength, MPa	10 (Minimum)
Shrinkage	Non-shrink
Chemical Resistance	Unaffected by a wide range of Chemicals, Oils etc.

Domains of Application

BLUSKY™POXYCRETE 2112 is designed specially for filled into concrete/mortar voids / pockets for carrying out structural repairs on horizontal surfaces. The cured resin possesses high mechanical strength, excellent adhesion, practically no shrinkage and a chemical resistance properties. Cracks and voids can be successfully sealed by **BLUSKY™POXYCRETE 2112**.

Method of Application

Surface Preparation

The area to be treated should be properly cleaned to remove the dust, laitance, grease, fungus etc. Apply **BLUSKY™POXYCRETE 2112** on the prepared surface. To get better adhesion apply **FLOW POXYCOTE-PRIMER** as a bond coat before application of **BLUSKY™POXYCRETE 2112**.

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users Consult the latest update of the technical data sheet on our website www.bluskyscpl.com

Mixing

Mix all the Component - B (Hardener) with Component - A (Resin). Leave the thoroughly mixed materials to stand for 2-3 minutes to enable entrapped air to escape from the mix. Add Component - C (Special Aggregate) and again mix well using a drill and paddle (maximum 500 R.P.M.) or manually.

Mix only sufficient material for immediate requirement and use as quickly as possible, within its pot life.

Advantages

- For carrying out structural repairs it can be filled into concrete/mortar cracks/voids/pockets.
- Cured resin possesses high mechanical strength, excellent adhesion, non-shrinking properties and a chemical resistance properties.
- Can be used as a sealing material for cracks and voids.
- It is supplied in pre-measured quantities of component- A (Resin), component-B (Hardener) and component-C (Special Aggregate) according to the mixing proportion..

Shelf Life & Storage

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C.

Packing

15 kg kits

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Precautions

- Store the material in shaded cool place and keep it away from fire and any heated body. Clean all tools with MEK or any standard solvent before polymerization starts.
- Mix only sufficient materials for immediate requirements. Leave the mixed material to stand for 2-3 minutes to enable entrapped air, if any, to escape from the mix and then use as quickly as possible.
- Should not be mixed multiple packs at a time. This may result drastic reduction of pot life and material may gel quickly before injection process.

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet.

The MSDS is available on www.bluskyscpl.com

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