

BLUSKY™ POXYCRETE 217

High Strength –Self Leveling Pourable Epoxy Grouting Compound

Description

POXYCRETE 217 is a three components solvent free, fast curing pourable epoxy grout.

Indicative Characteristics

Mixing Ratio (Pack A: B:C), by wt.	2:1: 7
Specific Gravity at 27°C	1.7 - 1.8
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

High-strength grouting and fixing of Starter bars, Anchors, Fasteners, Tie rods, Crash barrier posts, Fence and railing posts, Under-grouting and bedding of Base plates, Machine bases, seat base-plates for light and heavy machinery including heavy impact and vibratory machinery, reciprocating engines, compressors, pumps, presses, etc. It can also be used as a Bridge bearings, Mechanical joints (i.e. road/bridge/deck types, etc.), Sleeper- less, direct rail fixing, Crane tracks, Light rail and permanent way in tunnels, Light rail and permanent way over bridges.

Method of Application

Surface Preparation

The area to be treated should be cleaned properly. The V-groove cut along the cracks, voids, unsound concrete pockets are filled/repared with **POXYCRETE 217** mortar. To get better adhesion, apply a bond coat of **FLOW POXYCOTE PRIMER** before application of **POXYCRETE 217** mortar. material is not brittle and retains a slight flexible nature.

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.
- Can be poured on the steel surface (zinc covered) as backing compound.
- 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.
- Although **POXYCRETE 217** has a high strength, the cured.
- 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 un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C.

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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.

Packing

10 kg kits

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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