

# BLUSKY™ POXYCRETE 2120

## Solvent free High Strength fast curing Epoxy Mortar

### Description

**POXYCRETE 2120** is three components solvent free, fast curing, high strength epoxy mortar.

### Indicative Characteristics

Mixing Ratio (Pack A: B:C),by wt.	2:1:20
Specific Gravity at 27°C	2.0-2.2
Pot life, minutes, 30°C	>30 minutes
Comp. Strength, 24 hours, Mpa	> 30
Comp. Strength, 14 days, Mpa	> 60
Tensile Strength, N/mm <sup>2</sup> , 14 days	10 (Minimum)
Flexural Strength, N/mm <sup>2</sup> , 14 days	20 (Minimum)
Shear Bond Strength, Mpa	08 (Minimum)
Shrinkage	Non-shrink
Chemical Resistance	Unaffected by a wide range of Chemicals, Oils etc.

### Domains of Application

The cured resin possesses high mechanical strength, excellent adhesion, practically no shrinkage and a chemical resistance properties which is used as bedding or under filling mortar or to repair horizontal concrete surfaces such as : Industrial Floors, Ker stones, Joint arises in the Highways, Bridge Decks and Concrete Runways

### Method of Application Surface Preparation

The area to be treated should be properly cleaned to remove the dust, laitance, grease, fungus etc. To get better adhesion, apply a bond coat of **FLOW POXYCOTE PRIMER** before application of **POXYCRETE 2120** mortar.

### 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 voids/pockets
- Cured resin possesses high mechanical strength, excellent adhesion, non - shrinking properties and a chemical resistance properties.
- Can be used as a Epoxy Mastic .
- Although **POXYCRETE 2120** has a high strength, the cured material is not brittle and retains a slight flexible nature.
- 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.

### Packing

23 kg kits

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](http://www.bluskyscpl.com)

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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](http://www.bluskyscpl.com)

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