



## SOLPOXY BF

### Epoxy Repair Putty and Blow Hole Filler

#### DESCRIPTION

SOLPOXY BF is a two component, solvent free, epoxy resin based repair putty and mortar for concrete surfaces. The epoxy putty consists of graded fillers and non sagging agents which makes it ideal for application on vertical surfaces. SOLPOXY BF is designed for filling of blow holes, cracks and minor imperfections on concrete surfaces

#### TYPICAL USES

- Concrete surfaces: Filling of blow holes, cracks, and surface imperfections up to 5mm
- As a skim coat/filler on prepared floors prior to application of finish coatings and screeds
- As Concrete repair- Repairing damaged concrete, crack filling, leak proofing on horizontal, vertical and over head surface
- As jointing compound: Can be used to join Pre cast concrete/GRC structures
- As a bedding material: Can be used for fixing tiles on heavy duty areas, bedding bridge beams or bridge bearing and for grouting
- As a bonding agent: it bonds to almost all rigid surfaces.
- As a mould: it can be moulded to any shape

#### ADVANTAGES

- Thixotropic Can be applied on vertical surfaces
- Good resistance to acids, alkalis, hydrocarbon fuels, oil and grease, solvents and sea water
- High strength
- Can be trowelled to a smooth finish
- Creamy consistency, easy to use
- Non toxic. Can be used in potable water applications

#### TECHNICAL PROPERTIES

Mixed Density	1.50± 0.03 g/CC
Color/Appearance	Grey/ Off white Paste
Solid Content	100 %
Compressive strength @ 7 days	>60 M/mm <sup>2</sup>
Application Thickness	0 to 5 mm / LAYER
Application Temperature	5 to 35 °C
Application Life	60 minutes
Service temperature	5 °C to 70 °C
Initial Cure	8 hours
Full Cure	7 days

*(The properties shown above were obtained under laboratory conditions).*

## **APPLICATION INSTRUCTION**

### **SURFACE PREPARATION**

Clean all the surfaces and remove any loose particles, laitance, dust, oil, grease, paint etc. Abrade the bond area to improve mechanical bond.

### **MIXING**

SOLPOXY BF Part A and Part B shall be mixed thoroughly using a proprietary paddle mixer fitted to a slow speed drill till a uniform color and consistency is achieved. It is recommended to mix an entire kit at a time. However, for small repairs, part mixing can be done provided both the parts are accurately measured by weight

### **APPLICATION**

Application can be carried out by a steel trowel or putty knife or scraper. Press firmly the mixed mortar into the area to be filled to ensure proper adhesion and full contact. The epoxy putty shall be applied at a maximum thickness of 5mm in one layer.

Additional layers should be applied after the applied mortar achieves its initial cure. The area repaired with SOLPOXY BF can be over-coated with any epoxy or polyurethane coating after it achieves its initial cure

Additional build up can be done by multiple layer application. Thickness can be from 0 mm – 5 mm. the application of additional layers should follow between 8 – 24 hours after the first application.

### **COVERAGE:**

SOLPOXY BF: 1 Ltr /m<sup>2</sup>/mm thickness

### **PACKAGING**

SOLPOXY BF is supplied in 3.0 Kgs kit (Two components)

### **STORAGE**

Store under cover, out of direct sunlight, clear of the ground on pallets and protect from extreme temperatures. In tropical climate the product must be stored in air conditioned environment (<25°C).

**Shelf life** is 12 months when stored as above.

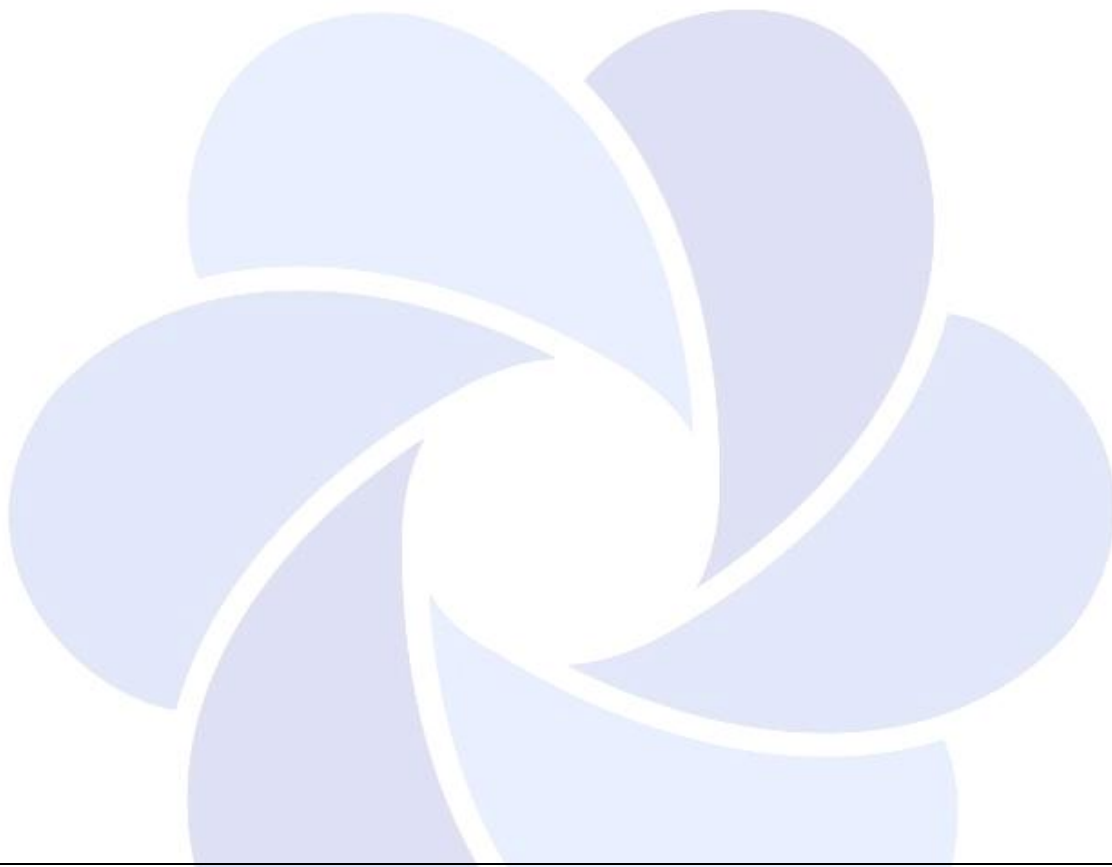
### **PRECAUTIONS**

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles shall be worn.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

There are no known health hazards associated with SOLPOXY BF.

Clean all the tools with Cleaning solvent after use. Hardened materials can be removed mechanically only. Allow the waste to cure. Seal it into a suitable container and bury in landfill as per the local regulations.



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