

# Polypoxy BF

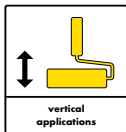
## Epoxy repair putty and blow hole filler

Solvent free, epoxy resin based repair putty and mortar for concrete surfaces.



### CHARACTERISTICS

- ▶ 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



### DESCRIPTION

Polypoxy 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. Polypoxy BF is designed for filling of blow holes, cracks and minor imperfections on concrete surfaces.

### FIELDS OF APPLICATION

- 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

### ENVIRONMENTAL INFORMATION

Contributes toward satisfying LEED® v4 requirements of the EQ Credit- Low-emitting Materials (for the VOC content)

### APPLICATION INSTRUCTIONS

#### Surface preparation

Clean the concrete surface of all loose particles, laitance, dust, oil, grease, paint etc. Grit/captive blasting and



TDS\_Polypoxy BF\_GCC\_0322

1

mechanical grinding of the concrete floor is recommended for removing all surface contaminants.

#### Mixing

Polypoxy 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 Polypoxy BF can be over-coated with any epoxy or polyurethane coating after it achieves its initial cure.

### CLEANING

Clean all the tools with Polysolvent immediately after use. Hardened materials can be removed mechanically only.

### COVERAGE

Polypoxy BF	1 L/m <sup>2</sup> /mm thickness
-------------	----------------------------------

## STORAGE & SHELF LIFE

The pails shall be stored in a covered and dry area. In tropical climates the product should be stored in an air-conditioned environment. The shelf life of the product in unopened condition is 12 months from the date of manufacture. Exposure to sunlight, UV, sources of heat and humidity will result in the deterioration of the product and reduce its shelf life.

## HEALTH & SAFETY

As with all construction chemical products caution should always be exercised. Protective clothing such as gloves and safety goggles shall be worn when handling the product. 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.

## SUPPLY

Polypoxy BF	3kg kit
Polysolvent	5L & 20L pails

## TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Solid content, [%]	100	ASTM D 644
Density, [g/cc]	1.5±0.05	ASTM D 475
Color & appearance	grey/off white paste	-
Application life, [mins]	60	
Compressive strength @7 days, [N/mm <sup>2</sup> ]	>60	ASTM C 579
Initial cure [hrs]	8	-
Full cure [days]	7	-
Application thickness [mm/layer]	0-5	-
Application temp, [°C]	5 to 35	-

*All values given are subject to 5-10% tolerance*

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

