

# Polypoxy NF

## Epoxy repair putty and bedding mortar

Used for bedding, gap filling, repair and adhesive applications.

### CHARACTERISTICS

- ▶ Easy to use, non slumping
- ▶ Good impact resistance
- ▶ Resistant to acids, alkalis, oil, grease, hydrocarbon fuels and saline water
- ▶ No primer or bonding agent required
- ▶ High compressive strength
- ▶ Can be trowelled to smooth finish



high impact resistant



Chemical resistant

### DESCRIPTION

Polypoxy NF is an easy to use non-flowing, sand filled two component epoxy compound which can be used for bedding, gap filling, repair and adhesive applications.

### FIELDS OF APPLICATION

- as concrete repair: repairing damaged concrete, filling of cracks.
- as a skim coat/filler on prepared floors prior to application of floor coatings and screeds
- 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.
- excellent for anchoring bolts or replacement rebar and filling bolt pockets.
- as a bonding agent: it bonds to almost all rigid surfaces.
- as a mould: it can be molded to any shape.

### APPLICATION INSTRUCTIONS

#### 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

Polypoxy NF part A and part B shall be mixed thoroughly using a trowel or gloved hand until a uniform color and



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1

consistency is achieved. For small mixes, ensure that both the parts are mixed as per the ratio of 60:40 (A:B).

#### Application

Application can be carried out by putty knife, trowel or wooden float. Press firmly to ensure proper adhesion and full contact. Additional build up can be done by multiple layer application. Thickness can be from 0mm - 5mm. The application of additional layers should follow between 8 - 24 hours after the first application.

### CLEANING

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

### STORAGE & SHELF LIFE

Store in a cool, dry place and keep away from all sources of heat and sunlight. In tropical climates, store in air condition rooms. The shelf life is up to 12 months in unopened conditions and if stored as per recommendations. Excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality 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 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.

## COVERAGE

3 kg kit will cover 1.67 m<sup>2</sup> at 1 mm thickness.

## SUPPLY

Polypoxy NF	3kg kit
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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.

## TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Color & appearance	Grey/off white paste	-
Density, [g/cc]	1.85±0.05	ASTM D 1475
Application life, [minutes]	45	-
Compressive strength @7 days, [N/mm <sup>2</sup> ]	>60	ASTM C 579
Flexural strength @7 days, [N/mm <sup>2</sup> ]	>30	ASTM C 580
Tensile strength @7 days, [N/mm <sup>2</sup> ]	>12	ASTM C 307
Shear bond strength @7 days, [N/mm <sup>2</sup> ]	>40	ASTM C 882
Application thickness, [mm/layer]	0 to 5	-
Application temperature, [°C]	5 to 35	-
Service temperature, [°C]	-5 to 70	-
Initial cure, [hours]	Approx. 8	-
Final cure, [days]	7	-

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

