



## SOLPOXY NF

### Epoxy Repair Putty and Bedding Mortar

#### DESCRIPTION

SOLPOXY 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.

#### TYPICAL USES

- 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 re-bar 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

#### ADVANTAGES

- Easy to use, non slumping and Good impact resistance.
- No primer or bonding agent required
- High compressive strength and can be trowelled to smooth finish.

#### CHEMICAL RESISTANCE

Resistant to acids, alkalis, oil, grease, hydrocarbon fuels and salin.

#### TECHNICAL PROPERTIES

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

Mixed Density	1.85± 0.03 g/CC
Color	Grey Paste
Compressive strength @ 7 days	>60 M/mm <sup>2</sup>
Flexular Strength @7 days	>30 N/mm <sup>2</sup>
Tensile Strength @7 days	> 12 N/mm <sup>2</sup>
Shear bond Strength, @ 7 days	> 40 N/mm <sup>2</sup>
Application Thickness	0 to 5 mm / LAYER
Application Temperature	5 to 35 °C
Application Life	45 minutes
Service temperature	5 °C to 70 °C
Initial Cure	8 hours
Full Cure	7 days

## **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**

Mixing Part A and Part B shall be mixed thoroughly using a trowel or gloved hand until a uniform color and 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 – 5 mm. the application of additional layers should follow between 8 – 24 hours after the first application.

**COVERAGE:** SOLPOXY NF: 3 kg kit will cover 1.67 m<sup>2</sup> at 1mm thickness

**PACKAGING:** SOLPOXY NF 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 NF

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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