

## General purpose epoxy bonding agent

### Uses

Bonding old and new cementitious substrates.

### Advantages

- Can be applied on concrete & mortar substrate
- Facilitates improvement in mechanical strength
- Good positive adhesion

### Description

Nitobond EP Std is a two component epoxy bonding agent supplied in pre-weighed quantities for ready on-site mixing and use.

### Technical support

The company provides a technical advisory source supported by a team of specialists in the field.

### Properties

Pot life	Min. 120 minutes @ 35°C
Full hardness	24 hrs
Full cure	7 days
Overlay time	upto 3 hrs
Compressive strength BS 6319 Pt 2	40 N/mm <sup>2</sup>
Tensile strength BS 6319 Pt 7	15 N/mm <sup>2</sup>
Flexural strength BS 6319 Pt 3	25 N/mm <sup>2</sup>
Bond strength ASTM C881	11 N/mm <sup>2</sup>

Below 20°C, the times mentioned for potlife and overlay time will increase.

### Application instructions

#### Preparation

All surfaces to be treated must be sound, dust-free and clean. All laitence should be removed by wire-brushing or any other suitable means. Surfaces contaminated with oil or grease, shall be cleaned thoroughly to remove such contaminants.

### Mixing

The entire contents of the hardener can should be poured into the resin container and the two materials thoroughly mixed until a uniform colour is obtained. To facilitate application at temperatures below 10°C the separate components should be warmed in hot water to a maximum of 25°C before mixing.

### Coating

Mixed Nitobond EP Std should be brush applied to the prepared substrate. The new concrete should be placed within 3 hours at 35°C to the Nitobond EP Std coated substrate, when it is still in a tacky state.

### Cleaning

Tools and equipment shall be cleaned thoroughly after use with Nitoflor Sol

### Estimating

#### Packaging

Available in 1 Litre and 4 Litre.

#### Coverage

Actual coverage will depend upon the texture and porosity of the substrates being covered. Typically, 1Litre pack will cover about 2.0-2.5 m<sup>2</sup> and 4 litre pack around 8.0 - 10.0m<sup>2</sup> .

### Storage

#### Shelf life

12 months shelf life when stored under normal wear house conditions below 35°C in unopened containers

### Precautions

#### Health and Safety

Contact with skin and eyes should be avoided. Gloves should be used when handling these products. If contact with the resin occurs, skin should be washed immediately with strong detergent. A resin removing cream should be used. Eye contamination must be immediately washed with sufficient quantity of water and medical treatment sought.

# Nitobond EP Std

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## **Fire**

Nitobond EP Std is flammable. No naked flame should be allowed near the site. Do not smoke during use.

## **Additional information**

Fosroc manufactures a wide range of products specifically designed for the repair and refurbishment of damaged reinforced concrete. This includes hand-placed and spray grade repair mortars and a comprehensive package of protective coatings. In addition, a wide range of complementary products are available. This includes joint sealants, waterproofing membranes, grouts & anchors and specialised flooring materials

Separate datasheets are available on these products.



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