

# Fosroc

## Nitobond Tile Adhesive



constructive solutions

### Tile adhesive

#### Uses

Nitobond Tile Adhesive is a high quality adhesive for the permanent fixing of ceramic tiles. It can also be used for fixing of insulating and acoustic boards based on expanded polystyrene etc. Typical uses include :

- kitchens
- Tile claddings

#### Advantages

- Tropical grade to suit Middle East working conditions
- Good open wet time
- Good slip resistance
- High adhesive bond strength

#### Description

Nitobond Tile Adhesive cementitious based powder is available in grey or white colour.

#### Technical support

Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

#### Instructions for use

##### Surface preparation

All surfaces must be sound and thoroughly clean before Nitobond Tile Adhesive is applied. All traces of grease or oil must be removed with a chemical degreaser. All loose particles of mortar, old wallpaper, paint etc. must be physically removed.

#### Surfaces

Nitobond Tile Adhesive can be applied directly on concrete, cement screeds, and cement or lime mortar. Special attention must be given to new construction prior to commencing tiling. Tiles should not be placed on concrete or blockwork until all shrinkage movement has taken place.

To use Nitobond Tile Adhesive on gypsum or gypsum board substrates, diluted Nitobond PVA (1 : 3 with water) should be applied to the surface of the gypsum or gypsum board prior to application of Nitobond Tile Adhesive .

#### Mixing

5 litres of water is required for each 25 kg bag of Nitobond Tile Adhesive. A slow speed drill fitted with a Fosroc Mixing Paddle (MR4) is recommended. Add powder to water and mix for 3 minutes, until a uniform and lump-free consistency is achieved.

#### Application

Nitobond Tile Adhesive should be spread on the substrate to a uniform thickness of 2-3mm, and then combed horizontally.

Place tiles firmly into adhesive bed, ensuring good contact with a twisting motion. Only apply to areas which can be tiled in the adhesive's open wet time (up to 1m<sup>2</sup> at a time).

#### Joints

It is recommended that when fixing ceramic tiles, a minimum spacing of 2mm be left around each tile.

#### Finishing

Remove excess adhesive with a damp cloth before material has set. Joint grouting with Nitotile Grout<sup>††</sup> may be commenced 24 hours after tiles have been laid.

#### Cleaning

Nitobond Tile Adhesive should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

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## Limitations

Nitobond Tile Adhesive should not be used when the temperature is below 5°C and falling. The product should not be exposed to moving water during application. If any doubt arise concerning temperature or substrate conditions, consult your local Fosroc office.

## Estimating

### Supply

**Nitobond Tile Adhesive** : 25 kg bags

### Yield

**Nitobond Tile Adhesive** : Approx. 18.1 litres/ 25kg bag

**Note** : Actual yield will vary according to water addition

## Storage

### Shelf life

All products have a shelf life of 12 months if kept in a dry store in the original, unopened bags.

### Storage conditions

Store in dry conditions in the original, unopened bags or packs. If stored at high temperature and / or high humidity conditions the shelf life may be reduced.

## Precautions

### Health and safety

Nitobond Tile Adhesive contains cement powders which, when mixed with water or upon becoming damp, release alkalis which can be harmful to the skin.

During use, avoid inhalation of the dust and contact with the skin or eyes. Wear suitable protective clothing - eye protection, gloves and respiratory equipment (particularly in confined spaces).

The use of barrier creams to provide additional skin protection is also advised. In case of contact with the skin, rinse with plenty of clean water, then cleanse thoroughly with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do **not** induce vomiting.

### Fire

Nitobond Tile Adhesive is non-flammable

## Additional information

Nitobond Tile Adhesive is part of a range of Fosroc tile adhesive and tile grouts. In addition, Fosroc manufactures a range of complementary products which includes waterproofing membranes, joint sealants, grouting, anchoring and specialised flooring materials. Additionally, a wide range of products specifically designed for the repair and refurbishment of damaged reinforced concrete is available. This includes hand-placed and spray grade repair mortars, fluid micro-concretes, chemical resistant epoxy mortars and a comprehensive package of protective coatings.

For further information please contact your local Fosroc office.

\* Denotes the trademark of Fosroc International Limited

† See separate data sheet



## Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. **All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version.**

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