

# Nitocote® SN522

## Colourless silane siloxane based water repellent

### Uses

Nitocote SN522, is used to provide water repellent surface with improved self cleaning properties on exterior building - brick work, concrete, cement rendering, natural or cast stone. Helps in reducing efflorescence due to soluble salts in brickwork.

### Advantages

- Ready to use: Brush or spray applied direct from container.
- Versatile: Equally effective on old or new surfaces.
- Self-cleaning : Unaffected by salt-laden atmosphere, reduces unsightly staining.
- Protects brickwork: Risk of efflorescence is reduced.
- Protects concrete: Reduces causes of cracking and crazing in in-situ or precast concrete
- Colourless: Preserves natural colour and texture of created material. Allows surface to breathe.

### Standards compliance

Nitocote SN522 complies with BS 6477-92 Class A and Class B as silicone - based water repellent.

For application on brickwork, concrete, cement rendering, nature or cast stone of predominantly siliceous nature, it complies with BS6477-92 Class A.

For application on sand stone, lime stone, calcium silicate, brickwork, natural or cast stone of predominantly calcareous nature, complies with BS6477-92 Class B.

### Description

Nitocote SN522 is supplied as a colourless, ready to use, silane siloxane based solution which can be sprayed or brush applied onto the surface.

### Technical Support

Fosroc offers a comprehensive range of high performance, high quality concrete repair and construction products. In addition, Fosroc offers technical support service to specifiers, end users and contractors, as well as on site technical assistance in locations all over the country.

### Properties

Penetration : Nitocote SN522 penetrates into concrete for a minimum depth of penetration of 2mm

Specific gravity : 0.86 to 0.90.



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### Water resistance

Repels rain water and inhibits ingress of surface water provided there is no hydrostatic pressure.

### Permeability

Permeability is low to water, salt solution, and dust particles. Leaching of soluble salts from brick work, which causes efflorescence, absorption of deicing salts by concrete which causes degradation and absorption of atmospheric dirt by brickwork, concrete and stone are all minimised.

### Water vapour release

Nitocote SN522 allows building surfaces to breathe naturally.

### Application instructions

#### Preparation

Surfaces should be dry, although slight dampness is not detrimental. Surface to be treated should be free from oil, grease, loose particles, decayed matter and moss or algae growth. For this, cleaning with Reebaklens is recommended. Joints in brickwork should be sound. If not, should be raked and redone with cement/sand mortar using Conplast X4211C waterproofing compound.

#### Coating

Apply Nitocote SN522 evenly by spraying or brushing. Ensure an even coat over the entire surface. Porous surface should be well saturated with a two coat application.

#### Decorating

Decorative coatings can be applied to surfaces previously treated with Nitocote SN522. Water based cement or emulsion paints should not be applied on coated areas. They can be applied before coating the surface with Nitocote SN522 coating.

#### Cleaning

Brushes and equipment should be cleaned with Nitoflor Sol immediately after use.

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## Estimating

### Packaging and coverage

Nitocote SN522 is available in 1, 5 & 20 litre containers. On brick work and smooth cement renderings, 4.5 - 9 m<sup>2</sup> per litre can be covered depending upon porosity of the substrate.

### Storage

### Shelf life

Nitocote SN522 has a shelf life of 12 months if kept in a dry store in its original packing. High temperature and humidity storage may reduce this period.

### Precautions

### Health & Safety instructions

Contact with skin and eyes shall be avoided. Contamination with skin and eyes should be washed with water. Nitocote SN522 in liquid state is slightly toxic. Should be kept away from children and animals. Prolonged inhalation of the vapour should be avoided and adequate ventilation be ensured.

## Fire

Nitocote SN522 is inflammable. Liquid vapour should not be exposed to naked flames. Smoking should be prohibited during application.

## Flash point

Nitocote SN522 : 38°C

Note : It is important to reseal containers after use to prevent deterioration of the product or evaporation. Any spillage should be absorbed with sand or saw dust.

## Additional information

Fosroc manufactures a wide range of products specially designed for the repair and refurbishment of damaged reinforced concrete. This includes repair mortars, fluid micro concretes, chemical resistant epoxy mortars in addition to comprehensive package of protective coatings. In addition, a wide range of complementary products are available. This includes admixtures, joint sealants, waterproofing membranes, grouts and anchors and specialised flooring materials.



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### Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

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