



Nitocote SN522

A surface water repellent and waterproofer

Use

Nitocote SN522 is a silicate based surface water repellent and waterproofer for the invisible protection of brickwork, cement plaster, concrete etc., including limestone and chalks. It is particularly useful for dipping precast work, tiles etc.

Unlike the normally available silicone water repellents, Nitocote SN522 is suitable for application on damp surfaces.

Advantage

- deep invisible penetration
- fully water repellent in 24 hours
- colourless and does not affect the original appearance
- allows walls to breathe
- minimises efflorescence
- good water repellence for up to 10 years
- can be applied on damp surfaces

Standards Compliance

Nitocote SN522 complies with B.S. 3826:1969, Silicone Based Water repellents for masonry.

Description

Nitocote SN522 is a single component penetrating silane-siloxane system which penetrates into porous substrates and then reacts to produce a bonded hydrophobic lining to the pores. Although allowing passage of water vapour from the substrate it significantly reduced the absorption of water and water borne salts.

Nitocote SN522 does not discolour most substrates and has excellent resistance to weathering.

Properties

Material	Exposure time	Water absorption %	
		Control	Treated
Common brick	24 hrs	16.5	0
	170 hrs	17.2	0.01
Fine aggregate concrete	24 hrs	2.5	0.015
	170 hrs	2.6	0.100

Technical Support

Fosroc offers a comprehensive range of high performance high quality, construction products. In addition to a wide range of quality products, Fosroc offers a technical support package to specifiers and contractors which includes assistance with product selection and technical advice from staff with unrivalled experience in the industry.

Application Instructions

Surfaces to be treated should be clean, free of stain and efflorescence. The application of Nitocote SN522 may be by brushing or spraying.

When spraying is preferred, use a low pressure spray that will give a non atomised stream of liquid. When brush application is adopted allow for a run down of approximately 30 cm.

Limitations

Nitocote SN522 requires 24 hours of exposure to the atmosphere before it becomes fully effective, hence it should be applied in dry weather conditions.

Do not allow the material to be in contact with aluminium, glass and porcelain. Protect such areas before application.

Before application on natural stones, carry out a test to observe any deleterious effects of iron staining.

Nitocote SN522

Estimating

Supply

Nitocote SN522 : 20 & 210 litre drums

Coverage and yield

One coat is usually all that is necessary. However, on highly absorbent surface, a second coat is advisable.

1 litre will cover 2.8 m² - 4.6 m² depending on the porosity of the surface.

Storage

Shelf life

Nitocote SN522 has a shelf life of 12 months.

Storage conditions

Store in dry areas. Do not expose the material to air during storage.

Precautions

Health & safety

Nitocote SN522 or Fosroc solvent 102 should not come into contact with the skin and eyes or be swallowed. Avoid inhalation of vapour/spray. Use only in well ventilated areas. In case of insufficient ventilation, wear suitable respiratory protection.

Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment.

The use of barrier creams provides additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse 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

Nitocote SN522 is flammable. Do not expose to naked flames or other sources of ignition. No smoking.

Containers should be tightly sealed when not in use. In the event of a fire, extinguish with CO₂ or foam.

Flash point

Nitocote SN522 : 38°C



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Important note

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