

Penetrating silane - siloxane treatment

Uses

A penetrating hydrophobic treatment that protects concrete and masonry from both water and chloride intrusion whilst still permitting water vapour transmission (breathability)

Advantages

- Reduces water and chloride intrusion
- Deep penetration into substrates
- Non staining
- Increases freeze thaw resistance
- Minimises efflorescence
- Chemically resistant to ice melting compounds, fuels, oils and atmospheric contaminants
- Allows concrete to breathe

Description

A low viscosity silane-siloxane system which penetrates deeply into porous substrates and then reacts to produce a bonded hydrophobia lining to the pores. This treatment significantly reduces absorption of water and water borne salts, but still permits passage of water vapour. The treatment does not produce any discolouration of the substrate and has excellent resistance to weathering.

Properties

Typical performance properties of NITOCOTE SN502.

Reduction in water absorption	82% at 28 days
Moisture vapour transmission	210 g/m ² /day
Reduction in chloride ion penetration	90% at 28 day

Chemical resistance

NITOCOTE SN502 is resistant to all normal ice melting compounds, petrol, oil and atmospheric contaminants (car exhaust fumes/industrial exhaust)

Application instructions

Surface preparation

Surfaces should be dry and must be free from oil, grease, loose particles, decayed matter, moss, algal growth and curing compounds. For maximum penetration grit blasting, water blasting or some mechanical means of surface preparation is recommended.

FOSROC FUNGICIDAL WASH should be used for the removal of moss or algal growth. Dilute 1 to 4 with water. Apply to, and vigorously scrub down the affected surface and leave for 4-6 hours. Rinse off with liberal quantities of clean water and allow to dry.

Protect plants, glass, asphalt, bitumen, plastics and all painted surfaces during preparation and application.

Application

Do not allow NITOCOTE SN502 to be contaminated with water.

NITOCOTE SN502 should be applied in two flood coats by low pressure spray (knapsack) direct from the can and without thinning. Ensure that at least the application rates are achieved (see Coverage). On absorbent surfaces, repeat or increase rate of application until surface is completely saturated.

Allow a minimum interval of 2 hours between coats.

Cleaning

Equipment should be cleaned with FOSROC SOLVENT 103 immediately after use. Any spillages should be absorbed with sand or sawdust etc and disposed of in accordance with local regulations.



Spray Application

Nitocote SN502

Precautions

Health and Safety

NITOCOTE SN502, FOSROC SOLVENT 103 and FOSROC FUNGICIDAL WASH should not be allowed to come into contact with skin or eyes, or be swallowed. Avoid prolonged inhalation of vapours. Mask, goggles and barrier creams such as KERODEX ANTISOLVENT or ROZALEX ANTIPAINT should be used. Ensure adequate ventilation, and if working in enclosed areas suitable breathing apparatus must be used.

If contact with the skin occurs wash well with plenty of water. Splashes to eyes should be washed well with plenty of clean water. If irritation persists, seek medical attention. If swallowed seek medical attention immediately - DO NOT induce vomiting.

Fire

NITOCOTE SN502 and FOSROC SOLVENT 103 are flammable. DO NOT expose liquids or vapours to naked flames or other sources of ignition. NO SMOKING. Containers should be tightly sealed when not in use. In the event of fire, extinguish with CO₂ or foam type extinguishers.

Flash points

NITOCOTE SN502	38°C
FOSROC SOLVENT 103	46°C

Storage

NITOCOTE SN502 and FOSROC SOLVENT 103 should be stored in a cool dry place away from sources of heat or naked flames.

FOSROC FUNGICIDAL WASH should be stored at temperatures above 5°C. Protect from frost and heat sources.

Coverage

NITOCOTE SN502 should be applied in two coats at the minimum rate of 0.20 litres per m² per coat.

FOSROC FUNGICIDAL WASH (concentrate) 2.0 m² per litre diluted 1 to 4 with water.

Packaging

NITOCOTE SN502	20 litre drum.
NITOCOTE SN502	210 litre drum.
FOSROC SOLVENT 103	5 litre cans.
FOSROC FUNGICIDAL WASH	20 litre drums.

Supply

Contact your local FOSROC office or representative.

Technical service

FOSROC provides a technical advisory service supported by a team of specialists in the field.

Additional information

NITOCOTE SN502 is one of the NITOCOTE range of coatings designed for concrete protection.



PT. Fosroc Indonesia

Jl. Akasia II Blok A8 No. 1
Delta Silicon Industrial Park
Lippo Cikarang
Bekasi 17550
Indonesia

www.fosroc.com

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.

telephone:

+ 62 21 897 2103
+ 62 22 520 1308
+ 62 31 502 9142

fax:

+ 62 21 897 2107
+ 62 22 522 2713
+ 62 31 502 2711

email:

indonesia@fosroc.com



DN EN ISO 9001 : 2000