

NANO-GUARD SEALER

PRODUCT DESCRIPTION

NANO-GUARD SEALER is a ecological Nano solution , deep penetrating Superhydrophobic impregnation product with Lotus effect. This unique penetration characteristic is due to it's Nano - scale molecules which ensures effective impregnation of concrete and other porous surfaces through deep penetration osmotic into the pore structure.

NANO-GUARD SEALER is a colourless and solvent free impregnation product, anti-fouling, anti-corrosion, UV resistant, restoration used or aging materials, faded, return to their original color condition without changing the properties of the materials , protection mineral porous building materials against water, humidity, chlorides and salt migration, prevents the growth of moss and mold.

NANO-GUARD SEALER is non film-forming therefore allowing the substrate to “breathe”.

The product is ideal to protect Civil and Industrial Engineering structures

CHEMICAL/PHYSICAL PROPERTIES

PolySiloxane compound

Physical state at 20 °C	: Liquid
Colour	: Colourless
Odour	: Light Characteristic
pH	: NA
Flash point	: >40°C
Boiling point [°C]	: 190°C
Density	: 1.03±0.02
Depth of penetration (Class II)	: >10%
Absorption ratio	: <7.5%
Absorption ratio (alkali)	: <10%
Drying rate (Class II)	: >10%
VOC	: <2 g/l*.

RECOMMENDED USES

NANO-GUARD SEALER is recommended for application to most of the cementitious, masonry and mineral substrates above ground, not subject to hydrostatic pressure. Applications include treating the surfaces of:

- Concrete & Exposed brick structures
- Facade, Beams, columns and walls of buildings
- Natural stones, ceramics, roof tiles, plastics
- Marine structures

FEATURES & BENEFITS

- Highly penetrative
- Invisible , Effective water repellency – Durability > 10 years
- Breathable - Allows excess water vapour to evaporate from the substrate
- UV-resistant, Safe
- Non film-forming: does not affect the mineral appearance of surfaces.
- Lotus and Easy - to - clean effects
- Minimises surface efflorescence – Clean appearance of masonry surfaces
- Protection against chemical or biological agents that are water soluble (particularly chlorides).
- Highly resistant to alkaline substances.

INSTRUCTIONS FOR USE

- **Ready to use product** : Shake the container well before use.
- The surface must be dry, clean and free of any trace of oil, grease, cleaning product, dust, efflorescence, paint or any other substance liable to prevent the correct penetration.
- Can be applied either with a brush, roller or with a low-pressure sprayer.
- Apply 1 to 2 coats until saturation, wet-on-wet coat.
- Do not apply in rainy, frosty or extremely hot weather. Temperature between 8°C and 35°C are suitable.
- During cold season, surface must be ice free so that it does not prevent penetration product into pores
- Suitable for inside and outside application.

COVERAGE

Cement mortar	7~10 m ² /kg
Concrete	5~25 m ² /kg
Paints	5~40 m ² /kg
Stone cladding	4~10 m ² /kg
Metals	5~25 m ² /kg
Brick	10~15 m ² /kg
Plastics	5~25 m ² /kg
Floor tiles	5~10 m ² /kg

PACKAGING

Canister 20 kg

CLEANING EQUIPMENT

Clean tools and equipment immediately after use with clean water.

STORAGE

Store away from frost and heat in a dry, ventilate place with temperature range : 8°C - 30°C.
Provided the container is keep closed whilst not in use. Storage life 12 months.

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HEALTH & SAFETY

Respiratory protection: Wear adequate protection mask.

Hand protection : Wear rubber gloves.

Skin protection: No special clothing or skin protection is recommended under normal conditions of use.

Eye protection : If there is a risk of considerable splashing, wear protective goggles.

In the event of ingestion: do not induce vomiting. Contact a doctor or a specialist.

Manufacturer:

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