

TECHNICAL DATA SHEET

NANOSKIN STONE & CONCRETE

Description

Water repellent coating for stone and concrete, indoor and outdoor use.

Function

To make stone and concrete water repellent and to prevent the growth of algae.

Main characteristics

- Easy application with spray
- Strong durability
- Environmentally friendly
- Breathable
- Excellent protection in alkaline environment
- Optically neutral
- Curing at room temperature
- No VOC
- UV stable

Colour and shine

Completely transparent and colourless.

Basics

- Base: SiO₂
- Solvent: water
- Rel. Density at 20°C: ca 1,004 kg/l
- Appearance 20°C: Liquid
- Viscosity 20°C: 1 mPa.s
- Curing time: 24h*
- Flashpoint: does not apply
- PH: 7,5

* 24h is a time indication for drying at room temperature. Low temperatures and high relative humidity slow down the drying process. For industrial applications, the process can be accelerated. This can be done by using ventilation and/or heating elements such as infrared (50-80°C). Depending on factors, such as absorption by the substrate, drying time can be reduced to a few minutes. The material can then be packed. The coating must be cured for 24 hours before it can come into contact with water.

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Application

Nanoskin Stone & Concrete is designed to make all kinds of stone water repellent. This makes this product extremely suitable for brick, concrete, sandstone, limestone and other mineral structures.

Efficiency

Theory:

12-14 m² per litre. (1 single layer necessary)

Practice:

The practical consumption depends on certain factors such as the grade of absorption of the substrate, condition and profile of the surface, method of application, experience and weather conditions.

Surface conditions

Clean and dry. It is very important that the surface to be treated is dry and cleaned properly.

Application conditions

For optimal results, following terms should be taken into consideration:

- Environmental temperature of 10-30°C
- Rel. Humidity maximum 85%
- Shake before use and do not dilute
- Application through spray (HVLP, 4bar, 0.7-1mm nozzle opening)**
- Sufficient ventilation during application and curing
- The use of gloves is recommended

** These values are recommended by Nanoskin. These are, however, dependant on the field of application, weather conditions and user experience.

Application instructions

Clean the surface properly and allow enough time to dry. Apply Nanoskin Stone & Concrete with a HVLP-gun. For optimal results, treat the whole surface and distribute the product evenly. Allow to cure for at least 24 hours. During this time, do not use the surface or let it make contact with water.

Clean tools with demineralised water after use.

Please consult the Nanoskin Stone & Concrete user's manual for more elaborate application instructions.

Note: Nanoskin Stone & Concrete is not suitable for the treatment of already water repellent surfaces (slightly absorbent, polished). To ensure the effectiveness of the coating, we always

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recommend testing a small piece of material before treating the entire surface. In this way, any unwanted discolouration can be detected at an early stage.

Security measures

See safety data sheet (MSDS).

Preservability

Stored in sealed packaging in a dry and frost-free place (5-30°C) at least 24 months preservable.

This technical data sheet, dated 01/01/2022, cancels and replaces all previous editions. These technical specifications are based on own knowledge and tests and are provided to you as guidelines. This does however not imply any liability for the use of our products. Always ask our services for the latest version of this data sheet.

In case of intoxication, immediately contact the poison control centre on the number: +32 (0)70.245.245