

CONCRETE & STONE PROTECT

TECHNICAL DATA SHEET

NexaNano Concrete & Stone Protect is a protective coating that makes treated surfaces water resistant and food stain resistant while helping improve UV and impact resistance. It also helps prevent microbial growth and protects against salt air, hard water, freezing conditions, and surface deterioration. Treated surfaces may last 5-12 years depending on traffic, absorption, exposure, and conditions.

SURFACE COVERAGE

500-550 sq ft per gallon (1 single layer necessary)

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

BASICS

Base SiO₂ & Roof Adhesion Elements

Solvent water

Color Transparent and colorless

Rel. Density 60°F: ca 1,004 kg/l

Appearance 60°F: Liquid

Viscosity 60°F: 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 (122-176°F). 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. 5-12 year life expectancy for 3/12-12/12 pitch surfaces.

STORAGE & HANDLING

Shelf life of up to 2 years when stored properly.

Store between 40°F and 80°F and keep out of direct sunlight.

PRODUCT USES

Concrete and stone surfaces, exposed aggregate, pavers, brick, and other compatible porous surfaces.

EFFICIENCY TESTS

Exceeds the Requirements of : ASTM D 3161, 4977, ASTM E 108, UL 2218

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 40-95F
- 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 NexaNano. These are, however, dependent on the field of application, weather conditions and user experience.

APPLICATION INSTRUCTIONS

- Clean the surface properly and allow enough time to dry.
- Apply NexaNano Concrete & Stone Protect with a HVLP- gun or Pesticide backpack.
- 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 demineralized water after use.
- Please consult the NexaNano Concrete & Stone Protect safety data sheet for more elaborate application instructions.

