NANO-TECH WATERPROOFING

ROOF PROTECT

TECHNICAL DATA SHEET

Description

Protectant coating for Asphalt Roofs (Asphalt, TPO, Plastics) outdoor use. Function To make Roof surfaces hydrophobic, durable, flexible, and improve UV and impact resistant.

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

Color and Shine

Completely transparent and colorless.

Basics

- Base: SiO2& Roof Adhesion Elements
- Solvent: water
- Rel. Density at 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.
5-15 year life expectancy for 3/12-12/12 pitch surfaces.

Application

Nano-Tech Waterproofing Roof Protect is designed to make all types of Roof surfaces water repellent, durable, flexible and extend the lifespan from 5-15 years. This makes this product extremely suitable for Asphalt Shingles, TPO, Plastic roofs, Porous surfaces.

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

Surface Coverage

500-550 sq ft per gallon. (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 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 Nano-Tech Waterproofing. 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 Nano-Tech Waterproofing Roof 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 Nano-Tech Waterproofing Roof Protect user's manual for more elaborate application instructions.