

SurfaPaint™ Stone Freeze

Water-based adhesive for fixing decorative stones

Product Description

SurfaPaint Stone Freeze is a water-based acrylic emulsion used as a binder for the adhesion and stabilization of stones/rocks. Due to its high binder content and low viscosity, SurfaPaint™ Stone Freeze can be easily applied using conventional sprayers. The product fixes decorative stones/rocks in the landscape, while being permeable to water, thus allowing the circulation of nutrients.

It contains no hazardous chemicals and does not bioaccumulate. SurfaPaint™ Stone Freeze is odorless, transparent, fast drying and easy to use.

Recommended

SurfaPaint™ Stone Freeze is ideal for spraying surfaces, ensuring the bonding of decorative stones and/or paving stones, sand, gravel and pebbles, thus preventing their displacement caused by natural factors, human activities or pets.

SurfaPaint™ Stone Freeze can also be mixed with dry pebbles to create decorative stone carpet-type floors, which are suitable for light foot traffic only.

Benefits

- ★ High solids content
- ★ Quick drying
- ★ non-hazardous
- ★ High permeability
- ★ Excellent adhesion to the substrate
- ★ Easy to apply
- ★ Ideal for frequent painting

Technical Specifications

Type Ÿ Styrene-acrylic binder emulsion

Color Ÿ Milky White

Density (EN ISO 2811-1) Ÿ 1.00 ± 0.05 g/cm³

pH Ÿ 8.5 ± 0.5

Viscosity Ÿ 4500 Ÿ 1000 mPa*s

Solid content (% v/v) Ÿ 35%

VOC (Volatile Organic Compounds) Ÿ <10 g/Lou said:

Dilution Ÿ Up to 10% with water, if needed

Drying time Ÿ 1-2h @ 25°C

Full curing Ÿ 48hrs @ 25°C

Application temperature Ÿ From +8°C to +35°C

(*) Drying and Full curing times are prolonged under low temperatures and/or high humidity.

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How to use

Product description

Stone surfaces must be dry and free of dust or loose particles.

Application method

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Surface Spraying - Bonding and Stabilization:

Shake the SurfaPaint Stone Freeze container well before use.

Apply a single coat using a conventional hand sprayer to the surface of dry stones/pebbles/rocks.

Spray the surface liberally so that SurfaPaint Stone Freeze completely penetrates the volume of the layer of stones/pebbles/rocks.

For stones/pebbles/rocks with an average diameter of 8 mm and a layer thickness of 4 cm, it is recommended to spray 200-300 mL per square meter (3.3-5.0 m²/L). Smaller diameters or thicker layers increase the consumption rate.

A reapplication after the first layer has dried strengthens the bond between the stones/pebbles/rocks.

Immediately clean all tools and equipment used with water.

"Casting" method for stone carpets:

Use a large bucket or container to mix the stones/pebbles/rocks with SurfaPaint™ Stone Freeze.

The mixing ratio varies between:

8% (volume of SurfaPaint™ Stone Freeze in liters per kg of stones/pebbles/rocks) for average diameters of 20 mm.

15% for average diameters of 0.8 mm.

Mix thoroughly until you obtain a uniform, liquid-like mixture that can be self-leveling when poured onto a level substrate.

Use a large trowel to spread and level the mixture onto the substrate.

SurfaPaint™ Stone Freeze is not a waterproof product and supports minimal foot traffic.

Careful:

Carpets/layers of stones/pebbles/rocks treated with SurfaPaint™ Stone Freeze cannot support furniture or other elements that exert significant pressure.

Storage

Product description

Store the product in its original, closed packaging, in a well-ventilated area, at a temperature between 5°C and 35°C, away from direct sunlight and frost. Improper storage conditions may affect the quality of the product.

Health & Safety

Product description

Read the product label before use. The Safety Data Sheet is available through NanoPhos' website, www.NanoPhos.com, or upon request by contacting NanoPhos via email: info@NanoPhos.com or by telephone: (+30) 2292069312.

Available Packaging

Product description

5L HDPE Container

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The recommendations in the Product Data Sheet for the use of NanoPhos products are based on our scientific knowledge , laboratory studies and long-term experience . The information provided should be considered indicative and is subject to constant review, depending on the specific conditions and each practical application.

The suitability of the product must be verified in each case for the specific use and the end user assumes all responsibility . all exclusive responsibility for any side effects that may arise from incorrect use of the product. This edition of this technical data sheet automatically cancels any previous edition relating to the same product. For more information, please contact NanoPhos : info@NanoPhos.com

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