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NANTEN COLORPUR SL 4 MM

CE



Product description

3-component polyurethane-based hybrid coating composed of polymers and cement. The product is certified with the Eurofins Indoor Air Comfort Gold certificate.

- Excellent resistance to heat, mechanical stress, and chemicals
- Impermeable, dense, and smooth coating with excellent flow properties
- Film thickness 4 mm
- Gloss level matt
- Coverage approx. 8 kg/m^2

Applications

- Food, beverage, and chemical industry facilities
- Breweries
- Dairies
- Highly demanding industrial environments

Instructions

Base requirements and coating conditions

The concrete strength class must be at least C25/30 with a wear resistance class of 3. The relative humidity of the concrete must be below 95%, and the surface temperature must be at least +3°C above the dew point. During application and curing, the temperature of the air, surface, and coating must remain above +15°C, and the relative humidity of the air must be below 80%.

New concrete floor

Cement laitance and any uncured cement must be removed by surface grinding or shot blasting. All loose and adhesion-reducing material must be removed, and the surface must be thoroughly vacuumed to remove all cement dust.

Old concrete floor

Cement laitance and deteriorated concrete must be removed by grinding or shot blasting. All loose and adhesion-reducing material must be removed, and the surface must be thoroughly vacuumed. Dirty floors should be washed and rinsed with a synthetic detergent before any further surface preparation. Any existing old paint film must be completely removed from the substrate.

Anchor grooves

Anchor grooves must be made in accordance with the manufacturer’s instructions. They shall be installed along the edges of the area to be coated and around penetrations as well as columns or posts. The depth and width of the anchor groove should be twice the thickness of the coating.

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Priming

Priming is carried out using Nanten ColorPur Primer. The primer must seal all pores in the concrete to form a dense and continuous, unbroken film on the surface. If necessary, adhesion sand is broadcast onto the primer to improve the workability of the coating.

Mixing

Liquid components A and B are poured into the mixing bucket and mixed for 30 seconds. Ensure the containers are completely emptied before mixing. Add the pigment. Once the liquid resin mixture is uniform, add half of component C and mix for approximately 1 minute until the mixture is homogeneous. Make sure the first half of component C is fully blended with the resin. Then repeat the process by adding the remaining half of component C. Mixing time may vary slightly depending on the ambient and material temperatures. Once the mixture is smooth and free of lumps, immediately bring the material to the application area. Apply the coating to the desired layer thickness using, for example, a notched trowel, and finish the surface with a spiked roller.

Notes

The components must be mixed mechanically. The ideal ambient and installation temperature range is between +12°C and +25°C. It is important to take the dew point into account to prevent moisture formation in the primer.

Application instructions

Apply the coating to the desired layer thickness using, for example, a notched trowel, and finish the surface with a spiked roller.

Tool cleaning

Clean tools immediately after use with Nanten PU Thinner.

Waste handling

Storage and handling of waste
See the separate storage and disposal instructions https://www.fescon.fi/en/material-bank

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Technical information

Colour	Grey, cream, yellowish brown, red, and green
Package size	A osa 4,16 kg polyoli emulsio B osa 4,34 kg polyisosyaniitti C osa 25 kg täyteaineet Sarja yhteensä 33,5 kg Pigmentti 0,350 kg
Storage	Unopened packaging: 6 monthsAll components of the Nanten ColorPUR system must be stored under cover and off the ground, in a dry space at temperatures above +5°C and below +25°C. This is especially important for component C, which may cure and clump, rendering it unusable. Protect all components from freezing, including during transport.Direct sunlight or other strong heat sources can cause uneven temperature rises in stored materials. Such products must not be used until their temperature has stabilized, as uneven curing may occur during application.
Mixing time	Approx. two minutes
Density	2.0 kg/dm^3
Usage temperature	+12°C...+25°C
Usage time	Once poured onto the floor: approx. 15 minutes. Working time shortens as temperature increases.
Drying time	Foot traffic 8 h, mechanical load 24 h, full chemical resistance 7 days
Compressive strength	52 N/mm^2
Adhesion strength	B2 > 2 N/mm^2
Tensile strength	7 N/mm^2
Reaction to fire	Bfl-S1
Heat resistance	–20°C to +70°C, with occasional exposure up to +90°C
Relative air humidity	< 80%
Method of application	Apply the coating to the desired layer thickness using, for example, a notched trowel, and finish the surface with a spiked roller.
Washing tools	Nanten PU Thinner

Remember to consult the Maintenance Instructions for Coated Floors and the product Safety Data Sheet on our website at www.fescon.fi, or request a copy by calling +358 9 274 7970. Although the technical details provided in this product description are based on our best knowledge and experience, the information above should always be regarded as indicative. The user is responsible for verifying the suitability of the product for the intended application. If the instructions are not followed, the user assumes full responsibility for any resulting damage or consequences. Limitation of liability, product use notes and restrictions: Please familiarize yourself with Fescon Oy's general terms of delivery and the design and work instructions related to the product.