



NANTEN

ColorPUR Primer

PRODUCT TYPE

3-component hybrid polyurethane-cement coating

USAGE

Used as a primer for all Nanten ColorPUR methods.

PROPERTIES

Solvent-free, water-based product. Low viscosity, which allows good adhesion to the substrate. Low emission.

TECHNICAL DATA**COLORS**

Light / cream

COVERAGE

About 0.350 – 0.5kg/m²

MIXING RATIO A/B/C

2.5/2.6/1.4 by weight

PACKAGE

Pre-packaged units 6.5kg

Part A: polyol emulsion

Part B: polyisocyanate

Part C: filler

POT LIFE (+ 20 °C)

±15 min

Installation temperature:

+ 12 ° C to + 25 ° C

CLEANING OF TOOLS

Cleaning of tools with Nanten PU thinner.

STORAGE

Unopened package 6 months

All components of Nanten ColorPUR system should be stored under protection and off the ground in a dry place above 5°C and below 25°C. This is a particularly important for component C, which may harden and clump, making it unusable. Keep all parts free from freezing, including during transport.

Direct sunlight or other strong heat source causes uneven temperature rise in stored materials. Such a product should not be used until the

temperature has stabilized, otherwise there may be unevenness in the installation.

TECHNICAL DATA:

Density: ±1.35kg / cm³

Adhesion to concrete: 2.7 N/mm²

DIRECTIONS FOR USE

REQUIREMENTS TO THE SUBSTRATE AND COATING CONDITIONS

Concrete strength class should be at least C25/C30 and wear resistance class 3. Concrete relative humidity should be below 95% and surface temperature at least 3°C above dew point. During the application and drying of the coating, the temperature of the ambient air, the surface and the coating shall be above +15 °C and the relative humidity of the air below 80%. Make sure that the coating is suitable for the base to be coated.

PRETREATMENT

New concrete floor

Remove laitance and any non-cured cement by surface grinding or shot-blasting. All loose material which lowers adhesion should be cleared away and cement dust carefully removed with a vacuum cleaner.

Old concrete floor

Remove laitance and any concrete that is in poor condition by surface grinding or shot-blasting. All loose material which lowers adhesion should be cleared away and the surface carefully cleaned with a vacuum cleaner. Soiled floors should be washed and rinsed with synthetic detergent before any works on the substrate. Remove completely any old films of paint in the substrate.

The surface temperature during installation should be at least 3 ° C above the dew point. The adhesive grooves are made according to the manufacturer's instructions. They should be made on the edges of the area to be coated and around the bushings and posts/columns.

PRIMING

The pretreated concrete substrate may be of varying porosity. We recommend using Nanten ColorPUR Primer, because if Nanten ColorPUR is installed directly on top of the concrete, the air transferred to the concrete may rise and cause damage to the finished floor. Consumption of Nanten ColorPUR Primer 0.35-0.5kg/m². When installing Nanten ColorPUR 6-9 mm, 1.0-1.8mm quartz sand ±150 g/m² should be sown on top of the wet primer to facilitate adhesion and installation of the coating. When installing Nanten ColorPUR Light SL, 0.4-0.8mm quartz sand ±150g/m² should be sown on top of the wet primer to facilitate adhesion and installation of the coating. When Nanten ColorPUR Primer is fully cured, a top coat is applied.

MIXING AND APPLYING OF COMPONENTS

More detailed information and instructions on mixing and installation can be found in the ColorPUR manual, which is intended for authorized installers only.

Liquid components A and B are poured into a mixing container and mixed mechanically for 30 seconds. Make sure the packages are completely empty before mixing. When the liquid resin mixture is smooth, add half of component C and mix for about 1 minute until the mixture is smooth. Make sure that half of component C is completely mixed with the resin. Then repeat, adding the other half of component C. The mixing time may vary somewhat depending on the ambient and material temperatures. Once the mixture is smooth and free of lumps, bring the material to the work area immediately. The mixture should be applied immediately to the substrate with a long-haired roller.

Comments:

The components must be mixed mechanically. The ideal ambient and installation temperature scale is between +12°C and +25°C.

CE	
Nanten Oy Teollisuustie 6, FI-04300 Tuusula	
13	
1119-CPD-13109	
EN 1504-2:2004	
Betonirakenteiden suojaus- ja korjausaine- Pinnoite	
Kulumiskestävyys	Painohäviö < 3000 mg
Kapillaarinen imeytyminen Ja veden läpäisevyys	w < 0,1 /m ² x h ^{0,5}
Iskunkestävyys	Luokka I > 4 Nm
Tartunnan lujuus vetokokeessa	> 1,5 N/mm ²
Palokäyttäytyminen	Efl-s1
Kemikaalirasituksen kestävyys (28 d)	Luokka II
Hiilidioksidin läpäisevyys	sd > 50 m
Vesihöyryn läpäisevyys	Luokka III sd > 50 m

Be sure to read the Coated Floor Care Instructions and the product safety data sheet on our website www.nanten.fi or order it by phone number 09-2747970.

Although the technical specifications of the product description are based on our best knowledge and experience, all the above information must be taken as a guide in all cases. The user must ensure the suitability of the product for the application area. If the instructions are not followed, the user is solely responsible for the possible damages and consequences.