

# NANTEN ACRYLIC PRIMER 101

General primer for concrete substrates for acrylic coating methods

## PRODUCT TYPE

Primer for acrylic coating methods for priming dry concrete substrates. Also suitable for asphalt substrates.

## USAGE

Use as a primer for concrete structures in Nanten acrylic coating methods.

## PROPERTIES

Low viscous fast-curing, well-adhering universal primer for acrylic coating methods. Low emission.

## TECHNICAL DATA

### COLORS

Colorless

### COVERAGE

Priming requires 0.3-0.5 kg/m<sup>2</sup> depending on the density of the substrate.

### MIXING RATIO

Use Nanten Acrylic Hardener as the hardening agent; quantity of the hardener depends on the processing temperature.

1 dl hardener = 64 g.

Hardener quantity according to temperature.

+30°C 1 weigh-%

+20°C 2 weigh-%

+10°C 4 weigh-%

+3°C 6 weigh-%

### PACKAGE

Supplied in 10kg tin containers and 180kg barrels.

### POT LIFE (+20°C)

About 15 minutes after spreading on the floor. With higher temperatures the time is shorter.

### Application temperature:

+3°C...+30°C

### DRYING TIME (+20°C)

Can be coated after 45-60 minutes.

Fully loadable after about 2 hours.

### APPLICATION METHOD

Spread with brush or roller.

### DILUTION

The primer is usually not diluted.

### CLEANING OF TOOLS

Nanten acrylic detergent (MMA).

### STORAGE

+5°C ...+20°C, max. storage time 6 months. Store in a warm room, in tightly sealed original containers.

### VOC (calculated)

VOC in working mixture < 0g/l. EU VOC 2004/42/EC (cat A/j)max. 500 g/l (2010).

**Density (+25°C):** 0,99kg/l, ISO 2811.

**Viscosity (+25°C):** 100-130 mPas, DIN 53018.

**Elastic modulus** 1990 MPa

**Adhesive strength:** > 2,5 MPa

**Tensile strength:** 10.3 MPa

## 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 work ensure good ventilation. Smell generated during the work can be removed by means of underpressure.

### 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.

### ASPHALT SUBSTRATE

The substrate must be clean and dry. We recommend a test primer to ensure that the primer used does not soften the bitumen.

### FILLING

Small hollows and cracks should be cleaned and filled with acrylic putty made of acrylic binder and thickening fibre (Sylothix). Larger and more extensive filling, leveling and pouring can be performed with a filling/leveling mixture made of Nanten Acrylic 20 N binder and filler sand.

### MIXING THE COMPONENTS

First mix the required quantity of Nanten Acrylic Primer 101, estimate the effect of temperature on the required quantity of hardener and add the hardener into the mixing container. Continue mixing for about two minutes.

### PRIMING

Mix Acrylic Primer 216 properly, pour to the floor in a strip and spread with roller or rubber trowel. As the work

progresses, roughening sand (grain size <1.5 mm) is applied to the fresh primer, which facilitates the application of the coating mass and ensures adhesion. The primer should seal all the pores in the concrete and form a uniform tight and intact film.

### APPLICATION SAFETY:

See [www.nanten.fi/products/safety\\_data\\_sheets](http://www.nanten.fi/products/safety_data_sheets).

<b>CE</b>
Nanten Oy Teollisuustie 6, FI-04300 Tuusula
13
1119-CPD-1190
EN 1504-2:2004
Betonirakenteiden suojaus- ja korjausaine - Pinnoite
Primer 101 on testattu pohjusteena CE -merkityissä Nanten akryylipinnoitusmenetelmissä.

*Be sure to read the Coated Floor Care Instructions and the product safety data sheet on our website [www.nanten.fi](http://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.**