



NANTEN F Primer

Fast epoxy primer for concrete

PRODUCT TYPE

2-component fast epoxy primer for dry concrete.

USAGE

Developed especially as a fast primer for dry concrete floors in connection with the use of epoxy, polyurethane and acrylic coatings.

PROPERTIES

A fast-curing primer that penetrates very well into the pores of concrete and forms a good adhesion. Solvent-free.

TECHNICAL DATA

COLOUR

Colorless

COVERAGE

Depending on the porosity of the concrete: 0,25 l – 0,35 l /m². Porous surfaces may require a second coat to close all pores and provide a uniform and intact film on the surface.

MIXING RATIO

Part A: 10 parts by volume. Part B: 2,5 parts by volume.

PACKAGING

Part A: 10 l tin container, Part B: 2,5 l plastic container. Or both in 200 l drums.

WORKING TIME (+20 °C)

Apr. 13-15 min when poured on the floor. With higher temperatures the time is shorter.

DRYING TIME

Dry to touch in appr. 4 h (+25 °C) and 8 h (+15 °C). Dry in appr. 10 h (+25 °C) and 12 h (+15 °C).

APPLICATION METHOD

Application with a rubber floor squeegee, roller and brush.

THINNING

M Primer is usually not diluted. If the concrete substrate is very dense, Primer can be diluted 5-10 % by volume with Nanten A Epoxy Thinner.

CLEANING OF TOOLS

Use e.g., ethyl acetate or Nanten A Epoxy Thinner.

STORAGE

At + 5°C ...+ 25°C, max. shelf-life 12 months. Store warm, in tightly sealed original containers.

OTHER INFORMATION

Mixture density: 1,1 kg/l

Solid content: appr. 100 vol.-%.

VOC (calculated): < 1 g /l. Maximum allowable content 500 g/l (cat A/j, 2004/42/EC).

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 the dew point. Air, surface and coating temperature should be over +15 °C and relative humidity below 80% during the coating application and drying.

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 that lowers adhesion should be cleared away and the surface should be 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 on the substrate.

FILLING

Small hollows and cracks should be cleaned and filled, e.g. with epoxy putty, consisting of Nanten HM Bio and fine filler sand. Larger and more extensive filling/levelling can be performed with a filling/levelling mixture made of Nanten HM Bio and filler sand (grain size 0,1-0,6 mm).

MIXING OF COMPONENTS

First, stir part A and part B of F Primer in their own containers. Estimate the required amount of ready mixture, considering the surface area to be coated and the application time needed. Blend the components into one another in the correct ratio and continue with a mixer at low speed for about two minutes, avoiding mixing any air into the system.

PRIMING

Pour the mixed compound to the floor in a uniform strip and spread with a rubber trowel. Apply the second application crosswise about 3-5 hours afterwards, when the surface is still sticky, but not more than one day (24 h) after priming. If the coating will be done with a trowel-applied mass coating such as Nanten HM Bio or Nanten Acrylics: Scatter quartz sand on fresh primer as the work progresses, to improve adhesion of the body coat.

Ensure good ventilation in the room. The primer should seal all the pores in the concrete so that an intact uniform film on the surface is formed. Do not scrape the mixture left on the edges of the containers to the floor.

APPLICATION SAFETY AND CARE OF COATED FLOOR

See instructions: <https://nanten.fi/contractors/data-bank/?lang=en>.

CE	
Nanten Oy Teollisuustie 6, 04300 Tuusula, Finland	
22	
EN 13813: 2002 Synthetic resin screed for indoors	
Bond strength	B2,0
Reaction to fire	E _{nl}

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.