

Nanten M Primer

Epoxy primer for moist and fresh concrete structures

PRODUCT TYPE

Nanten M Primer is a pigmented 2-component solvent-free epoxy primer for priming moist concrete structures prior to coating. Prevents seepage of moisture towards coating. Is not suitable for premises exposed to capillary seepage of moisture. Contains extremely low levels of volatile organic compounds (VOC).

APPLICATION

Specially developed for priming moist and fresh concrete floors in combination with epoxy, polyurethane and acrylic coatings.

PROPERTIES

Fast curing epoxy primer with extremely good capacity of penetrating into concrete pores and forming the adhesion layer.

TECHNICAL DATA

Colours White.

Gloss level –

Material consumption

0.25 l – 0.30 l / m² depending on concrete porosity. Porous surfaces may need a second priming layer to close all the pores and create a uniform and intact film.

Mixing ratio

Part A) resin 2 parts by volume and (Part B) hardener 1 part by volume.

Package

Part A in 10 l tin containers, part B in 5 l plastic containers or both parts in 200 l barrels.

Application time (+ 20°C)

Approx. 20 - 30 minutes when poured on the floor. With higher temperatures the time is shorter.

Drying time

Dry to touch 9 h (+ 25°C) and 13 h (+ 15°C).
Dry in about 15 h (+ 25°C) and > 24 h (+ 15°C).

Application method

Spread with a rubber trowel, roller or brush.

Dilution

M Primer is normally not diluted. In case of extremely tight concrete substrate, the primer can be diluted by 5 - 10 vol.-% with Nanten A Epoxy Thinner.

Cleaning of tools

Tools can be cleaned with e.g. ethyl acetate.

Storage

+ 5°C ...+ 25°C, max. storage time 6 months. Store in a warm room, in tightly sealed original containers.

TECHNICAL PROPERTIES

Film thickness Approx. 150 µm

Density (+ 25°C) Mixture density 1.06 kg /l.

Solid matter content About 100% by volume.

VOC (calculated)

VOC in application mixture 70 g /l. EU VOC 2004/42/EC (cat A/j) max. 500 g/l (2010).

DIRECTIONS FOR USE

Surface requirements and application conditions

Concrete strength class should be at least C25/C30 and wear resistance class 3. Concrete relative humidity should be below 98 % and surface temperature at least 3°C above dew point. Air, surface and coating temperature should be over + 15 °C during the coating application and drying and relative humidity below 80%.

Surface preparation

New concrete floor

Remove laitance and any non-cured cement by surface grinding, shot-blasting or milling. 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 deteriorated concrete by surface grinding, shot-blasting or milling. All loose material which lowers adhesion should be cleared away and cement dust carefully removed 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.

Filling

Small hollows and cracks should be cleaned and filled with epoxy filler made of e.g. HM Epoxy and fine filler sand. Larger and more extensive filling, levelling and pouring can be performed with a filling/levelling mixture made of Nanten HM Epoxy and filler sand (0.1 – 0.6 mm)

Mixing of components

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

Priming

Pour the mixed M Primer to the floor in a uniform strip and spread with a rubber trowel or a short-hair roller. If applying a second layer, apply it crosswise with a roller, not more than in a day's time (24 h) from the primer. If the surface will be a coated with a grindable compound, scatter adhesion sand on the primer surface to facilitate spreading of the coating mixture. Ensure good ventilation in the room. The primer should seal all the pores in the concrete and form a uniform tight and intact film.

Care of the coated floor:

See [www.nanten.fi / products / cleaning](http://www.nanten.fi/products/cleaning) and care instructions.

APPLICATION SAFETY:

See [www.nanten.fi / products / material](http://www.nanten.fi/products/material) safety data sheets.

CE
Nanten Oy Teollisuustie 6, FI-04300 Tuusula
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0809 -CPR- 1037
EN 1504-2:2004
Coating / screed
M Primer has been tested as a primer for CE-marked coating technology

Even though the technical details of the product description are based on our best knowledge and experience, the above-named information should always be regarded as indicative. The user should make sure that the product is suitable for the application. If working contrary to these instructions, the user is solely responsible for any possible resulting damages and consequences.