

Nanten Acrylic Primer 107

Acrylic primer for moist concrete as well as metal and clinker surfaces

PRODUCT TYPE

Nanten Acrylic Primer 107 is a methylmetacrylate based primer for priming moist concrete substrates for acrylic coating compounds. Also suitable for non-porous substrates, such as metal and tile surfaces. The coating contains no volatile organic compounds (VOC).

APPLICATION

Used as a primer of moist concrete and non-porous substrates in concrete structures for Nanten acrylic coating compounds.

PROPERTIES

Fast curing low-viscosity primer ensures good adhesion for Nanten acrylic coating compounds.

TECHNICAL DATA

Colours Colourless.

Material consumption

Priming 0.3 – 0.5 kg /m² depending on surface tightness.

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	+ 30 °C 1 weight-%
according to temperature	+ 20 °C 2 weight-%
	+ 10 °C 4 weight-%
	+ 3 °C 6 weight-%

Package

Supplied in 10 l tin containers and 180 kg barrels.

Application time (+ 20°C)

Approx. 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 approx. 2 hours.

Application method

Spread with a brush, roller or rubber trowel.

Dilution

Do not dilute the primer.

Cleaning of tools

Clean the tools with e.g. methylmetacrylate (MMA).

Storage

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

TECHNICAL PROPERTIES

Density (+ 25°C)	Density 0,99 kg /l, DIN 53217.
Viscosity (+ 25°C)	100 – 130 mPas, DIN 53018.
Elasticity modulus	1500 MPa.
Adhesive strength	> 2,5 MPa.
Tensile strength	13,8 MPa.

VOC

VOC in working mixture < 0 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.

Seepage of additional moisture into the structure through capillary action must be prevented. Ensure good ventilation in the room during the work.

Smell generated during the work can be removed by means of underpressure.

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 debris that reduce adhesion should be cleared and cement dust carefully removed with a vacuum cleaner. Soiled floors should be washed with synthetic detergent before other substrate processing works. Remove completely any old films of paint in the substrate.

Metal and ceramic tiles

Metal substrates should be sandblasted to sufficient level. Ceramic tiles should be fixed on the substrate.

Tiled substrate should be filled/levelled with acrylic compoundrylic Primer 107 Product Data Sheet in order to make the seams invisible in ready coating.

Filling

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

Mixing of components

First mix the required quantity of Nanten Acrylic Primer 107, 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 Nanten Acrylic Primer 107 properly, pour it to the floor in a strip and spread with a short-hair roller or rubber trowel. Scatter roughening sand (grain size < 1.5 mm) on the primer surface when spreading the second primer layer to facilitate spreading of the coating mixture and to ensure coating adhesion. 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 and care instructions](http://www.nanten.fi/products/cleaning_and_care_instructions).

APPLICATION SAFETY:

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

CE
Nanten Oy Teollisuustie 6, FI-04300 Tuusula
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1119 -CPD- 1190
EN 1504-2 -2004
Protection and repair agent for concrete structures – Coating
Primer 107 has been tested as a primer for CE-marked coating technology

Acrylic Primer 107 Product Data Sheet

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..