Hämeenkatu 9
05800 HYVINKÄÄ
Tel. 020 789 5900
www.fescon.fi

NANTEN ACRYLIC PRIMER 107

CE



Product description

Low-viscosity, fast-curing primer with excellent adhesion for damp substrates in acrylic coating systems.

Applications

- Food and process industry facilities
- Commercial kitchens and laundries
- Outdoor areas
- Loading docks, waste collection shelters, and storage areas

Instructions

Base requirements and coating conditions

The concrete must have a minimum strength class of C25/30 and wear resistance class 3. The relative humidity of the concrete must be below 98%, and the surface temperature must be at least +3°C above the dew point. Moisture must not rise into the structure due to capillary action. Good ventilation must be ensured during application. Odours generated during the work can be reduced by using negative pressure ventilation.

New concrete floor

Cement laitance and any uncured cement must be removed by surface grinding or shot blasting. All loose and adhesion-reducing material must be removed, and cement dust must be carefully vacuumed off.

Old concrete floor

Cement laitance and deteriorated concrete must be removed by grinding or shot blasting. All loose and adhesion-reducing material must be removed, and the surface must be thoroughly vacuumed. Dirty floors should be washed and rinsed with a synthetic detergent before any further surface preparation. Any existing old paint film must be completely removed from the substrate.

Metal and ceramic tile

Metal substrates must be blast-cleaned to a sufficient level. Ceramic tiles must be firmly bonded to the substrate. The tile surface must be roughened by grinding the glaze. An overfill/levelling layer with acrylic mortar is recommended on tiled substrates to prevent tile joints from showing through the finished coating.

Patching

Small holes and cracks are cleaned and filled with an acrylic putty made of acrylic binder and thickening fiber (Sylothix). Larger and more extensive overfills, levelling, and slope formation can be

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done using a filling/levelling mortar made of Nanten Acrylic 20N binder and filler sand.

Mixing

Pre-mix the desired amount of Nanten Acrylic Primer 107. Assess the effect of temperature on the required amount of hardener and add the hardener to the mixing container. Continue mixing for approximately two minutes.

Mixing ratio

Nanten Acrylic Hardener is used as the hardener, and the required amount depends on the working temperature.
1 dl of hardener = 64 g
+30°C 1 wt-%
+20°C 2 wt-%
+10°C 4 wt-%
+3°C 6 wt-%

Application instructions

Applied with a brush, roller, or rubber squeegee.

Waste handling

Storage and handling of waste
See the separate storage and disposal instructions https://www.fescon.fi/en/material-bank

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Technical information

Package size	20 kg container or 180 kg drum
Storage	+5°C to +25°C, shelf life up to 6 months. Must be stored in a warm location in tightly sealed original containers.
Mixing time	Approx. two minutes
Sufficiency	For priming: 0.3–0.5 kg/m^2 depending on the density of the substrate
Density	(+25°C) 0.99 kg/l, ISO 2811
Usage temperature	+3°C…+30°C
Usage time	(+20°C) Once poured onto the floor: approx. 15 minutes. Working time shortens as temperature increases.
Drying time	Recoatable after approx. 45-60 minutes. Fully loadable after approx. 2 hours.
Hardening time	Approx. 2 h
Adhesion strength	> 2.0 MPa
Viscosity	(+25°C) 100 – 130 mPas, DIN 53018
Thinner	Do not dilute
Method of application	Applied with a brush, roller, or rubber squeegee
VOC content	< 0 g/lEU VOC 2004/42/EC (Cat A/j) max. 500 g/l (2010)
Washing tools	Nanten Acrylic cleaner

Remember to consult the Maintenance Instructions for Coated Floors and the product Safety Data Sheet on our website at www.fescon.fi, or request a copy by calling +358 9 274 7970. Although the technical details provided in this product description are based on our best knowledge and experience, the information above should always be regarded as indicative. The user is responsible for verifying the suitability of the product for the intended application. If the instructions are not followed, the user assumes full responsibility for any resulting damage or consequences. Limitation of liability, product use notes and restrictions: Please familiarize yourself with Fescon Oy's general terms of delivery and the design and work instructions related to the product.