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NANTEN ACRYLIC 101-M1



Product description

Medium-viscosity, fast-curing universal primer with excellent adhesion for acrylic coating systems.
• Low-emission
• M1 emission-classified

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 not exceed 95%, and the surface temperature must be at least +3°C above the dew point. 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.

Mixing

Pre-mix the desired amount of Nanten Acrylic Primer 101-M1. 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.

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1 dl of hardener = 64 g
+30°C 1 wt-%
+20°C 2 wt-%
+10°C 4 wt-%
+3°C 6 wt-%

Application instructions

The thoroughly mixed Acrylic 101-M1 is poured onto the floor in a bead and applied using a roller or rubber squeegee. While the primer is still fresh, texturing sand (grain size <1.5 mm) is broadcast progressively to improve the workability of the coating and ensure proper adhesion. The primer must seal all pores in the concrete and form a continuous, dense, and intact film.

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

Colour	Colorless
Package size	10 kg metal container and 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	0.4–0.5 kg/m^2 depending on the density of the substrate
Density	0.99 kg/l
Usage temperature	+10°C…+30°C
Usage time	Once poured onto the floor: approx. 15 minutes. Working time shortens as temperature increases.
Drying time	Recoatable after approx. 35-45 minutes. Fully loadable after approx. 2 hours.
Adhesion strength	> 2.0 MPa
Reaction to fire	Cfl-s1
Viscosity	(+25°C): 110-120 mPas, DIN 53018
Relative air humidity	The relative humidity of the concrete must be below 95%
Chemical resistance	Class I
Thinner	The primer is not normally diluted
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)

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.