

Nanten Acrylic Sealer 319

Elastic acrylic surface varnish for areas exposed to water and temperature variation.

PRODUCT TYPE

Nanten Acrylic Sealer 319 is a surface varnish for methylmetacrylate based acrylic coating compounds. Suitable for a majority of environments in production and storage premises of various industries. The coating contains no volatile organic compounds (VOC). Painting supplies group 52.9 (RT-classification).

APPLICATION

Used as a surface varnish of acrylic coating compounds in premises exposed not only to mechanical loads, but also to temperature loads caused by hot and cold water. The varnish has good UV resistance and is suitable for outdoor application due to its elasticity.

PROPERTIES

Elastic fast curing medium-viscosity surface varnish for Nanten acrylic coating compounds. Resilience class BC5- MEC /by 54/BLY 12).

TECHNICAL DATA

Colours

Colourless. Can be stained with suitable colorant pastes or pigments.

Material consumption

About 0.3 – 0.5 kg/m² depending on porosity and roughness of the substrate of the acrylic compound. Consumption rate > 0.3 kg /m² / per layer to ensure curing reaction.

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	+ 20 °C	1,5 weight-%
temperature	+ 10 °C	3 weight-%
	+ 3 °C	5 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)

Next layer can be applied to the surface in approx. 60 minutes.

Fully loadable after approx. 2 hours.

Application method

Spread with a rubber trowel or mohair roller.

Dilution Do not dilute.

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 0,98 kg /l, DIN 53217.

Viscosity (+ 25°C) 160 - 200 mPas, DIN 53018.

Breakage elongation (+ 20°C) 15,5 %.

Adhesive strength > 2,5 MPa.

Tensile strength (+ 20°C) 13,4 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 The acrylic surface to be varnished should be clean and dry. Surface temperature should be at least 3°C above dew point. Ensure good ventilation in the room during the work. Smell generated during the work can be removed by means of underpressure.

Mixing of components

First mix the required quantity of Nanten Acrylic Sealer 319, 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.

Varnishing

Mix Nanten Acrylic Sealer 319 properly, pour the mixture to the floor in a strip and spread with a short-hair roller or rubber trowel. Apply a second layer, if necessary, after the varnish has dried.

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	
Sealer 319 has been tested as a topcoat 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.