

AQUA NANO VARNISH NT 100



- > based on the latest nano-technology
- > high chemical resistance
- > especially easy to clean
- > extremely high abrasion resistance

Product description

Two-component parquet and synthetic resin sealant for environmentally friendly sealing of very heavily used wooden floors and as a final sealant for synthetic resin coatings. Aqua Nano Varnish NT 100 is as flexible as the coating to be protected or the wood covering underneath and forms surfaces with extremely high scratch and abrasion resistance as well as excellent chemical resistance. Additionally, the very thick surface is especially easy to clean.

Indoors for sealing of heavily used wooden floors, in schools, offices, museums or also sports and exhibition halls as well as in the construction of sports facilities. According to ÖNORM C 2354 the lacquer complies with the highest resistance class C and has been tested for sliding behaviour according to DIN V 18032.

Delivery format:

Container	Outer packaging	Pallet
5,5 L / EH		64
11 L / EH		42

Storage:

Can be stored frost-free, cool and dry on wooden shelves in the unopened original container for: 180 days

Processing

Recommended tools:

microfiber roller, stainless spring spatula
Clean the tools with water immediately after use.

Processing:

Before use, completely fill comp. B into comp. A and shake well. Alternatively, partial quantities can be mixed separately in a clean bucket. The mixing ratio is 10:1, and the printed scale on the container helps to ensure accurate dispensing. Then the sealant can be applied to the substrate using either a roller or spatula. We recommend using a Murexin Pro Lacquer Strainer for each work step.

Before the last sealing, we always recommend intermediate sanding using a disk sander and sanding grid 120-150.

68030, AQUA NANO VARNISH NT 100, valid from: 23.07.2020, Magdalena Riegler, Page 1

Parquet and adhesion technology

To exclude the risk of underdrying, the moisture of the wood is to be kept constant through suitable measures, such as air humidification. It is recommended that you verifiable inform the building owner about this or take alternatives into consideration. This is especially important for parquet floors on sleepers (sprung floor constructions) and new floor boards. If the wood moisture of the floor drops considerably below the normal installation moisture, there is an increased risk of gaps building in the floor. The lateral bonding effect of underdrying can be reduced through the use of Murexin Aqua Special Primer AV 20 or Murexin Aqua Exotic Blocking Primer AV 50.

Post-treatment:

A full load can only be borne at the earliest after approx. 10 days. Initial care no earlier than after 2-3 days, but must be carried out before carefully placing furniture and other heavy furnishings. Protect the floor accordingly in the process! The Murexin cleaning and care range offer you suitable care products for a long service life and good appearance of the sealed surface.

NOTE: According to DIN 18356 the guarantee for the surface is DIN 18356 is only given when the care system prescribed by the manufacturer is used!

Technical data

Gloss level	satin finish 25 (60° measuring angle), glossy 85 (60° measuring angle)
Consumption	one container (11 litres) is sufficient for 2 applications over approx. 42 m ²
Layer thickness	2x rollers à approx. 130 ml/m ² = 95 µ, 3x rollers à approx. 130 ml/m ² = 140 µ
Recoatibility	after approx. 4 - 5 hrs
Processing time	approx. 3 - 4 hrs
Final hardness	after approx. 8 - 10 days
Processing, environmental and hardening temperature	min. +15°C
Stress class according to ÖNORM C 2354	C
Slip behaviour according to DIN 18032-2	~ 0.53 (when treated with Murexin Aqua Parquet Complete Care AP 20)

Test certificates

Tested in accordance with (standard, classification ...)

ÖNORM C 2354
DIN 18032-2

Substrate

Suitable substrates:

Suitable on:

finely polished wooden floors
roughly hewn wooden parquet
prefabricated parquet
floor boards

68030, AQUA NANO VARNISH NT 100, valid from: 23.07.2020, Magdalena Riegler, Page 2

Parquet and adhesion technology

Not suitable or only suitable under certain conditions:
wood block paving

The substrate must be free of dust, dirt, oil, grease, silicon, separating agents, washing residues. The requirements of the applicable standards, guidelines and data sheets apply.

Fine sanding of the floor with grain size ~100/120. The sanding dust is to be thoroughly removed.

For a perfect system

Description:

Wood cement solution AV 5 for permanently elastic cementing of joints up to 5 mm.

Aqua Wood Cement Solution AV 10 for solvent-free filling of wooden floors.

Wood Cement Solution LV 15 for solvent-based cementing of renovated and problematic types of wood.

Aqua Special Primer AV 20 for solvent-free priming of all kinds of indigenous hardwoods.

Aqua Exotic Blocking Primer AV 50 for solvent-free priming of all types of wood (except larch)

Universal Primer LV 45 for priming and solvent-based priming for problematic types of wood (incl. larch) and as a primer for System Varnish 2K PU 95

Aqua Parquet Basic Cleaner AP 10 for powerful basic cleaning of the parquet floor. Aqua Parquet Complete

Care AP 20 for initial and complete care as well as for maintenance care of the parquet floor.

Sports Floor Complete Care AP 30 for non-slip initial and complete care as well as maintenance care of parquet floors.

Parquet Polish LP 35 for initial and complete care as well as for freshening matt looking parquet surfaces.

Parquet Sealant FP 100 for silicon-free sealing of wide joints.

Product and processing instructions

Material information:

- When working outside the ideal temperature and/or humidity range, the material properties may change significantly.
- Temper materials accordingly before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or thinning specifications must be precisely kept!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The colouring is significantly influenced by the environmental conditions.

Environmental advice:

- Do not process at temperatures below +15 °C!
- The ideal temperature range for material, substrate, and air is +15 °C to +25 °C.
- The ideal air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting, and hardening.
- Ensure sufficient ventilation during the drying, reaction, and hardening phase; avoid draughts!
- Protect from direct sunlight, wind, and weather!
- Protect adjacent components!

Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

68030, AQUA NANO VARNISH NT 100, valid from: 23.07.2020, Magdalena Riegler, Page 3

Safety instructions

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.