



OLI-AQUA MED 2K Nano-Treppenlack 51.22N

- two-component Nano stair lacquer -

Product description

Innovative, water- and PU-based two-component nano lacquer with an antibacterial effect and excellent scratch and abrasion resistance for the open- and closed-pore coating of wooden stairs and other wooden surfaces in hygienically sensitive areas. Due to the latest nano technology, OLI-AQUA MED produces surface coats that provide a durable protection against bacteria and fungi.

Properties

- eco-friendly and VOC compliant
- in compliance with the EU Decopaint Directive
- not combustible in liquid state
- PVC resistant*
- odourless
- durably antimicrobial; active protection against bacteria and fungi due to the latest nano technology
- very good bonding to vertical surfaces
- extremely rich in solids
- extremely lightfast
- very good water repellence
- excellent chemical resistance
- excellent scratch and abrasion resistance

Test standards

- antibacterial micro-biological examination on 09 Jan. 2006
- ÖNORM C 2354 T1 A, B, C
- DIN EN 71-3 (heavy metals)
- DIN 53160 (saliva and sweat proof)
- DIN 68861 T1 B, C (chemical resistance)
- DIN 68861 T4 (scratch resistance)
- DIN 51130 skid resistance R9 with 0,5% OLI fine structure powder and R10 with 3 % OLI coarse structure powder
- hand cream resistant
- free of APEO
- free of formaldehyde
- free of aromatic compounds

* Due to the large variety of sealing materials, we recommend a preliminary test before application.

Areas of application

Particularly suitable for the surface coating of all common wood types and woodwork for which hygiene and sterility are of great importance, such as wooden stairs, handrails, tables and counters as well as sanitary and kitchen fittings in care facilities, clinics, hospitals, doctor's practices, pharmacies, catering and canteen kitchens. Also suitable as ring resistant top coat on pigmented surfaces.

Highly resinous and ingredient-rich woods, such as pine or tropical woods (Limba, Teak, Wengé) should be insulated with a two-component lacquer (e.g. MODU M or OBJEKT) before the coating with MED. This applies to MDF edges and reliefs as well, in order to minimize wood swelling under conditions of high air humidity.

Ordering information

OLI-AQUA MED 2K Nano-Treppenlack 51.22N				
- two-component Nano stair lacquer -				
Gloss level	Intense matt	Semi matt		
Ordering code	420 947 08	420 940 03		
Container sizes	5 ltrs	5 ltrs		
OLI-AQUA Hardener	13.1	13.1		
Ordering code	420 917 18	420 917 18		

Labelling

For labelling details and safety instructions, please refer to our safety datasheet at www.oli-lacke.de.

Technical data

Pot life after adding hardener	3 hrs
Shelf-life in factory-sealed containers:	<i>apply immediately, the product tends to sediment</i>
Thinner:	-
Curing agent:	13.1
Mixing ratio:	10 : 1
Air drying at +23°C/65% rh	
Dust-dry:	2 h
Sandable:	4-5 h
Stackable:	16 h



Application methods

	Cup spray gun	Airless / Airmix
Spray pressure (bar)	2,5 – 3,5	90 – 110
Nozzle size (mm)	1,8	0,23 – 0,28
Water addition (%)	ready to use	ready to use
Viscosity (4 mm cup)	ready to use	ready to use
Coverage per coat (g/sqm)	80 – 140	80 – 140

Annotations/Instructions for use

- Stir well before use!
- Mix OLI-AQUA MED 51.22N Stair lacquer immediately before use with OLI-AQUA Hardener 13.1 at a ratio of 10:1! Stir well!
- Seal the container well after use in order to prevent surface drying (skin formation). Skins that may have developed due to repeated material withdrawal have to be removed by filtration.
- Clean spray gun with water immediately after use. When changing from solvent-based systems to water-based lacquers, clean spraying equipment thoroughly with nitro-cellulose thinner and then rinse it well, first with spirit, then with water. When returning to solvent-based products, do the cleaning in reverse order.
- The surface must be absolutely dry and free of dirt, oil, grease and sanding dust.
- The product is frost-sensitive. Do not transport or store at temperatures below +5°C. Do not apply at temperatures below +15°C.
- EU limit for MED (cat. A/j: 140 g/l)
- MED max. = 55 g/l VOC

Application technology

Example	Stairs in university hospital, solid beech	
1. Gradual sanding	Grit size 80-120	
2. Priming	OLI-AQUA MED, approx. 80-100 g/sqm	
3. Drying at 23°C / 65% rel. humidity	Dust-dry	Sandable
	2 h	5 h
4. Intermediate sanding	Grit size 240	
5. Top coat	OLI-AQUA MED, approx. 140 g/sqm	
6. Drying at 23°C / 65% rel. humidity	Dust-dry	Stackable
	2 h	16 h

Tip

For areas subject to extreme wear, such as entrance areas of public buildings, we recommend the application of three lacquer coats of at least 100g/sqm each.

Our verbal and written recommendations for application can only provide non-binding advice. They are based on our experiences and the current state of knowledge with regard to practical use. These recommendations, however, do not release the user from the obligation to test the suitability of the product for the intended purpose and application himself. This statement supersedes all previous versions. Last update: 12.02.2010.