



Aqua NEL-419/05 Natural Effect Varnish

Clear, single-component finish for a natural wood look with high durability

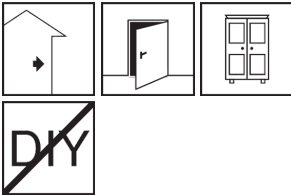


| Colour | Availability | | |
|-------------------|------------------------|------------|-------------|
| | Quantity per pallet | 96 | 22 |
| | Size / Quantity | 5 l | 20 l |
| | Type of container | Tin bucket | Tin bucket |
| | Container code | 05 | 20 |
| | Art. no. | | |
| clear, cloth matt | 5309 | ■ | ■ |

Application rate 80 - 120 ml/m² per coat



Range of use



- Interior wood
- Especially suited to light and light stained woods: oak, maple, ash, birch, spruce, pine
- Primer & top coat
- Solid wood & veneers
- Living room & bedroom furniture
- Interior finishing work: e.g. panels, borders, cladding & interior doors
- For use by professionals

Property profile



- For coatings that are not perceptible by sight or touch
- Good block resistance
- Resistant to chemicals: DIN 68861, 1B (except for alcohol)
- Good resistance to a wide range of commercially available hand creams
- Lightfast
- Surfaces do not become shiny
- Fire behaviour according to DIN EN 13501-1: B-s1,d0 on suitable substrates
- Suitable for interior finishing of ships (IMO)
- 2K-ready: increased resistance to chemicals, disinfectants, abrasion & scratches, and adhesion to glass, with the addition of 2% Aqua VGA-485.

Characteristic data of the product

| | |
|-----------------|--------------------------------|
| Binder | Acrylate dispersion |
| Density (20 °C) | Approx. 1.04 g/cm ³ |
| Odour | Characteristic |

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

- **DIN EN 71-3 "Migration of certain elements"**
- **Food contact**
- **Declaration of conformity (Marine Equipment Directive)**
- **French VOC emission test**
- **Classification of fire behaviour according to DIN EN 13501-1 (B-s1, d0)**

Test standards

DIN 68861, 1B (excluding alcohol) Resistance to chemicals

Additional information

- **Sustainability Data Sheet**
- **Care instructions for coated furniture surfaces**
- **Verarbeitungshinweise 2K-Ready Aqua Lacksysteme**



Possible system products

- Aqua VGA-485 Cross-Linking Agent & Glass Lacquer Additive (3256)
- Aqua stains

Preparation

■ **Substrate requirements**

The substrate must be clean, dry, free of dust, grease and loose substances, and prepared in the correct manner.

Wood moisture content: 8-12%

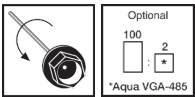
■ **Substrate preparation**

Wash off greasy or resin-rich woods/substrates with WV-891 or V-890. Use UN-894 indoors on the construction site. Ensure good ventilation for solvents.

Sand wood using P 100 - 180 grit.

If colouring is desired, stain the substrate using Aqua KB-004, Aqua BB-007 or Aqua PB-006.

Production of the mixture



■ **Mixing**

1-component ready to use.

When working with admixtures and additives, please read the Technical Data Sheet for the system product.

Optionally 100:2 with Aqua VGA-485 by volume.

Using the Patent Dispenser, work into the coating material while stirring.

The mixture is active for 8 hours.

Directions



■ **Conditions for use**

Temperature of the material, air and substrate: from min. +18 °C to max. +25 °C.

Stir well.

Spray.

Flow cup gun: nozzle size: 1.8 - 2.0 mm; atomiser air pressure: 2 - 3 bar.

Airmix spraying: nozzle size: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar.

Airless spraying: nozzle size: 0.23 - 0.28 mm, material pressure: 80 - 120 bar.

After drying and intermediate sanding (P 320 - 400), apply a second coat of the product.

Seal opened containers well and use contents as soon as possible.

Tips on use



Check colour, adhesion and compatibility with the substrate by setting up a trial area.

Before coating technically modified woods and wood-based materials, apply the product to a trial surface and conduct a suitability test on the desired area of use.

Varnish open-pored woods to fill the pores.

■ **Drying**

Dust-dry: after approx. 1 hour

Ready for overcoating: after approx. 4 hours

Can be stacked: after drying overnight

Practice values at +20 °C and 65% relative humidity.

Low temperatures, poor ventilation and high humidity delay drying.

■ **Thinning**

Ready to use; if necessary, dilute with water (max. 5%).

Notes

DIN EN 71-3 "Migration of certain elements":

This product complies with the limits for the migration of heavy metals to children's toys according to DIN EN 71-3 and thus fulfils one of several further requirements for the safety of children's toys according to the EU "Toy Directive" (2009/48/EC).

Please refer to the relevant test reports/certificates and the Technical Data Sheet for information on certified products and configurations.

To preserve the quality of the surface, we recommend regular cleaning and care using a lint-free cotton cloth.

Please use solvent-free and silicone-free cleaning agents.

For applications in accordance with the Marine Equipment Directive, the maximum wet application quantity is 2 x 120 µm.

Tools / Cleaning



Airless/airmix spraying equipment, flow cup gun

Clean tools with water or Aqua RK-898 Cleaning Concentrate immediately after use.

Ensure that any residue from cleaning is disposed of correctly.

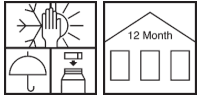
■ **Remmers tools**

- Patentdispenser (4747)



Storage / Shelf life

If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 12 months.



Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Personal protective equipment

Respiratory protection with at least an A/P2 combination filter must be worn during spraying, together with safety goggles. Wear suitable protective gloves and clothing.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

Biocidal Products Regulation

Contains a biocidal product (in-can preservative) with the biocidal agents CMIT/MIT (3:1) for protecting the container content from deterioration by microbial organisms (germs, yeast, etc.). Please note the processing guidelines carefully!

VOC content as per the "Decopaint" Directive (2004/42/EC)

EU limit value for the product (Cat. A/e): max. 130 g/l (2010).
This product contains < 130 g/l VOC.

| VOC | |
|-------|--------|
| Kat. | A/e |
| 2010: | 130g/l |
| max.: | 130g/l |

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.