

Aquawood Nature-Line

5191000200

Water-based, dull matt **clear coat** for **wood-aluminium-windows** for **industrial and professional use**.

It has been matched as a system with a **3-coat structure**

PRODUCT DESCRIPTION

General

Water-based dull matt and non-yellowing clear coat based on PUR-dispersion. Especially natural look with accentuation of the wood surface. Good light resistance, high scratch resistance, high block-resistance and high chemical resistance. The product is formulated without the addition of biocidal active agents to protect against blue stain and wood-destroying fungi.

Special properties and standards



- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application area



- For dimensionally stable wood-aluminium components, such as e.g. windows and front doors, etc.
- Not suitable for direct outdoor exposure.

Instructions for use



- Please stir the product before use. However, prevent entry of air while stirring.
- The temperature of the product and object, and the room temperature must be at least +15 °C.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.
- Too high dry film thicknesses beyond around 120 µm reduce the diffusion capacity and should thus be avoided.
- Sealants must be compatible with the coat and may only be applied once the paint has dried through. Sealing profiles with plasticizers tend to stick together in combination with paints. Please only use those types that have been tested.
- Please follow our **ARL 300 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - General part** along with all standards and guidelines for window construction.

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Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for modification of the container sizes, colour shades and degree of gloss.

Application technique



0-5% H₂O

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)
Spray nozzle (ø mm)	0.38	0.28 or 0.33
Spray nozzle (ø inch)	0.015	0.011 or 0.013
Spraying angle (degrees)	20 – 40	20 – 40
Spraying pressure (bar)	80 – 100	80 – 100
Atomized air (bar)	-	0,5 – 1,5
Spraying distance (cm)	approx. 25	
Thinner	water	
Thinner amount added in %	0 - 5	
Wet film (µm)	175 - 225	
Yield per application (g/m ²) ¹⁾	400	
Dry film complete coating system (µm)	80 up to max. 120	

¹⁾ Yield including addition of thinner and loss while spraying

The shape, the properties and moisture of the substrate affect the consumption/yield. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)



Dust-dry (ISO 1517)	after approx. 30 minutes
Tack-free	after approx. 3 hours
Stackable with PE fine foam spacers at room temperature:	after approx. 4 hours
Stackable with PE fine foam spacers after forced drying: 20 min flash-off zone 90 min drying stage (35– 40 °C) 20 min cooling stage	after approx. 130 minutes
Dried through	after approx. 12 hours

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Avoid direct sunlight (very quick drying).

Cleaning the working equipment



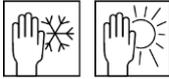
With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

SUBSTRATE	
Type of substrate	Wood in accordance with the guidelines for window construction.
Substrate property	The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, resin etc. and free from wood dust, as well as tested for suitability for coating.
Wood moisture	Dimensionally stable construction elements: 13 % +/- 2 %
COATING SYSTEM	
Impregnation	1 x Aquawood Primo A1 5451000300 ff or A3 – A6 5451000030 ff Intermediate drying: approx. 4 hours Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.
Intermediate coat	1 x Aquawood Intermedio ISO 53613 ff Intermediate drying: approx. 2 hours Please observe the relative technical data sheets of the products.
Intermediate sanding	Grit size 220 - 240 Remove sanding dust.
	
Finishing coat	1 x Aquawood Nature-Line 5191000200
MAINTENANCE AND RENOVATION	
Maintenance and renovation	Windows: Cleaning with ADLER Top-Cleaner 51696. Please observe the relative technical data sheets of the products. Please follow our ARL 304 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and renovation.
ORDERING INFORMATION	
Size of trading unit	120-kg poly drum
Colour shades / degrees of gloss	Farblos 5191000200 <ul style="list-style-type: none"> • The final colour is basically obtained from the inherent colour of the wood, the applied quantity, the colour of the impregnation and the colour of the finishing coat. • It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade. • In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface.
Supplementary products	Aquawood Primo A1 5451000300 ff Aquawood Primo A3 - A6 5451000030 ff Aquawood Intermedio ISO 53613 ff ADLER Aqua-Cleaner 80080 ADLER Top-Cleaner 51696

FURTHER DETAILS

Durability / storage



At least 1 year in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Technical specifications

VOC content EU threshold for Aquawood Nature-Line (cat. A/e):
130 g/l (2010). Aquawood Nature-Line contains
maximum 20 g/l VOC (Volatile Organic Compounds).

Safety-related information



Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at www.adler-lacke.com.

The product is only suitable for industrial and professional use.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).
