

Aquawood Natureffekt

53700

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

It has been matched as a system with a **2-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.

PROCESSING

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 %.
- 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.
- Two applications of Aquawood Natureffekt are not recommended since this may have a polishing effect as a result of the content of matting wax and thus, worsen the intermediate adhesion.
- An intermediate coating with Aquawood Intermedio ISO 53613 ff is recommended to prevent air inclusions in deep-pored hardwood species and to avoid film interference on larch.

08-20 (supersedes 08-16) ZKL 5127

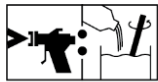
ADLER-Werk Lackfabrik, A-6130 Schwaz

Phone: 0043/5242/6922-301, Fax: 0043/5242/6922-309, email: technical-support@adler-lacke.com

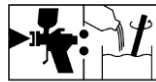
Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user is responsible for deciding on the suitability 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 the modification of the container sizes, colour shades and degrees of gloss available.

- When changing from Aquawood Natureffekt 53700 to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- 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.

Application technique



0-5% H₂O



10% H₂O

| Application method | Airless | Airless air-supported (Airmix, Aircoat, etc.) | Cup gun |
|---|-------------------|---|-----------|
| Spray nozzle (ø mm) | 0.28 or 0.33 | 0.28 or 0.33 | 1.8 – 2.0 |
| Spray nozzle (ø inch) | 0.011 or 0.013 | 0.011 or 0.013 | - |
| Spraying angel (degrees) | 20 – 40 | 20 – 40 | - |
| Spraying pressure (bar) | 80 – 100 | 80 – 100 | 3 – 4 |
| Atomized air (bar) | - | 0,5 – 1,5 | - |
| Spraying distance (cm) | approx. 25 | | |
| Thinner | water | | |
| Thinner amount added in % | 0 – 5 | 0 – 5 | 0 - 10 |
| Wet film (µm) | 225 - 275 | | |
| Yield per application (g/m ²) ¹⁾ | 450 - 500 | | |
| 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)



12h

| | |
|--|---------------------------|
| 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

General

The following coating systems are exemplary.

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 sanding



Grit size 280

Remove sanding dust.

Finishing coat

1 x Aquawood Natureffekt 53700

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

5 kg; 25 kg; 120 kg poly drum

Colour shades / degrees of gloss

| | |
|-----------|-------|
| Farblos | 53700 |
| Paris | 53956 |
| London | 53955 |
| Berlin | 53954 |
| Lissabon | 53957 |
| Barcelona | 53958 |

- 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.

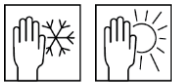
- In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface.
- In order to lay particular emphasis on the wood structure, the colour shade of Aquawood Primo selected should be darker than the one of Aquawood Natureffekt.

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 Natureffekt (cat. A/e):
 130 g/l (2010). Aquawood Natureffekt contains
 maximum 40 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 the industrial and professional use

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