

## Aquawood Finapro 20

5101

Water-based **thick-film wood glaze** for **wooden windows** and **front doors** for **industrial and professional use**

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

### PRODUCT DESCRIPTION

#### General

Water-based, breathable thick-film glaze. Very good weather resistance and high transparency. The product is characterised by high block resistance, very good impact strength, fast water resistance, short drying times, improved resistance to mechanical damage, natural appearance and good haptic properties.

#### Special properties and standards

- Proof of suitability according to **DIN EN 927-2 outdoor weathering**
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- **DIN 53160-1 and DIN 53160-2** perspiration and saliva-proof properties
- Registered in **baubook**



#### CATAS WKI Premium Award 16/20 / CATAS Quality Award 66/20

- EN 927-3 (natural weathering: S (EN 927-2) and according to par. 7.4.1
- PTP 156 (elasticity): elongation at break  $\geq 50\%$
- EN 927-5 (water-vapour permeability):  $> 30$  und  $< 175$  g/m<sup>2</sup>
- PTP 138.0 (UV-light transmission):  $280 - 340$  nm  $\leq 1\%$   
 $280 - 440$  nm  $\leq 20\%$
- CEN/TS 16499 (stacking strength): a2, d1
- CEN/TS 927-9 (wet adhesion according to method A):  $\geq 0.5$  MPa and individual values  $\geq 0.3$  MPa
- CEN/TS 927-9 (wet adhesion by method B):  $\leq 2$
- EN 12720 (resistance to water):  $\geq 4$
- EN 927-6 (artificial weathering): no defects, cross cut after weathering  $\leq 1,0$
- PTP 136 (biocidal effect): no growth
- CEN/TS 16358 (microfoam):  $< 30$  bubbles/cm

**2-coat-structure (only for Award-tests):** Aquawood Primo A3/A4/A5 (colour shades Dunkelbraun, Hellbraun, Kastanie, Kiefer, Afzelia, Haselnuss, Melone, light sanding grit size 280, afterwards 1x Aquawood DSL Q10 M colour shades F001, F002, F003, F004; F005, F006, F007, F008, F009, F010, F011, F012, F013, F014; F015, F016,

08-20 (supersedes 05-20) ZKL 5101

ADLER-Werk Lackfabrik, A-6130 Schwaz

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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.

F017, layer thickness of DSL at least 250 µm (wet); corresponds to at least 80 µm (dry).



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

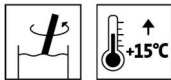
### Application area



- For dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows and front doors, etc.
- For humid areas (e.g. indoor pools) only with a special coating system.
- For non-dimensionally stable timber components we recommend thin-film systems such as Lignovit Lasur 53135 ff, Pullex Aqua-Plus 53101 ff or Pullex Plus-Lasur 50314 ff.
- Please observe the relative technical data sheets of the products.

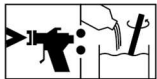
## PROCESSING

### 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 %.
- 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.
- We do not recommend applying two layers of Aquawood DSL Q10 M 51787 ff with intermediate sanding, because due to the content of a matting wax, a polishing effect and therefore a poor intermediate adhesion is possible.
- 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.
- When changing from Aquawood DSL Q10 M 51787 ff 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% H<sub>2</sub>O



0-10% H<sub>2</sub>O

| 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 <sup>2</sup> ) <sup>1)</sup> | 450 - 500         |   |           |
| Dry film complete coating system (µm)                   | 80 up to max. 120 |   |           |

<sup>1)</sup> 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. 1 hour   |
| Tack-free  | after approx. 2 hours  |
| Stackable with PE fine foam spacers at room temperature:   | after approx. 5 hours  |
| Stackable with PE fine foam spacers after forced drying:<br>20 min flash-off zone<br>90 min drying stage (35– 40 °C)<br>20 min cooling stage | after approx. 130 min. |
| Recoatable   | 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**

13 % +/- 2 %

**COATING SYSTEM****General**

The following coating systems are exemplary.

**Impregnation /Primer coat**

1x Aquawood Primo A1-A6 5451000030 ff or Aquawood Primo TG 5461000030 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 53663 or 1 x Aquawood Intermedio ISO 53730 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 DSL Q10 M 51751 ff

**For front doors:**

An additional application of Aquawood Protect 53215 is necessary (colourless two-component varnish).

Please observe the relative technical data sheets of the products.

## MAINTENANCE AND RENOVATION

### Maintenance and renovation

The durability depends on several factors: these include particularly the type of weathering, constructional protection, mechanical stress and the choice of colour applied. To obtain long durability, preservation work is necessary in time. Therefore, we recommend annual maintenance.

Cleaning with ADLER Top-Cleaner 51696. Maintenance with ADLER Top-Care 7227000210 in the package ADLER Window Care-Set 7229000300.

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

### Colour shades / degrees of gloss

|      |       |
|------|-------|
| F001 | 59001 |
| F002 | 59002 |
| F003 | 59003 |
| F004 | 59004 |
| F005 | 59005 |
| F006 | 59006 |
| F007 | 59007 |
| F008 | 59008 |
| F009 | 59009 |
| F010 | 59010 |
| F011 | 59011 |
| F012 | 59012 |
| F013 | 59013 |
| F014 | 59014 |
| F015 | 59015 |
| F016 | 59016 |
| F017 | 59017 |
| Weiß | 51805 |

Other colour shades can be obtained using the **ADLER colour mixing system ADLERMix.**



### Base coat:

Base W30 51787

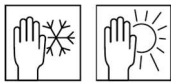
- The final colour is basically obtained from the inherent colour of the wood, the applied quantity, the colour of the impregnation and the colour of the finishing coat.
- In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface.
- It is recommended 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 lay particular emphasis on the wood structure, the colour shade of Aquawood primo selected should be darker than the one of Aquawood DSL Q10 M.

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**Supplementary products**

Aquawood Primo A1-A6 5451000030 ff  
Aquawood Primo TG 5461000030  
Aquawood Intermedio 53663  
Aquawood Intermedio ISO 53613 ff  
Aquawood Protect 53215  
ADLER Aqua-Cleaner 80080  
ADLER Top-Cleaner 51696  
ADLER Top-Care 7227000210  
ADLER Windoor Care-Set 7229000300  
Pullex Plus-Lasur 50314 ff  
Pullex Aqua-Plus 53101

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**OTHER INSTRUCTIONS****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).

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**Technical specifications**

VOC content EU limit value for Aquawood DSL Q10 M (cat. A/e):  
130 g/l (2010). Aquawood DSL Q10 M contains a  
maximum of 20 g/l VOC.

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**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](http://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).

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