

## Aquawood Finatec 20

5129

Matt finishing coat for **wooden windows and front doors** for **industrial and professional use**  
It has been matched as a system with a **2- / 3-coat structure**

### PRODUCT DESCRIPTION

#### General

Matt, water-based finishing coat with very good weather resistance. The product is characterised by very good transparency, high blocking resistance, good mechanical resistance, very good impact strength, fast water resistance and short drying times.

#### 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
- **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.
- 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 5315 or Pullex Plus-Lasur 4415.

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.
- When changing from Aquawood Finatec 20 5129 to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.
- 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)	0.23 or 0.28	0.23 or 0.28	1.8 – 2.0
Spray nozzle (ø inch)	0.009 or 0.011	0.009 or 0.011	-
Spraying angle (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-added in %	0 – 5	0 – 5	0 – 10
Wet film (µm)	approx. 250		
Yield per application (g/m <sup>2</sup> ) <sup>1)</sup>	approx. 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 hours
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: 20 min flash-off zone 90 min drying stage (35– 40 °C) 20 min cooling stage	after approx. 130 minutes
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!

**Cleaning the working equipment**



With water immediately after use.

To remove dried product residues we recommend using Aqua-Cleaner 8004 (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**

1 x Aquawood Primo A1 5451

Intermediate drying time: 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**

**Softwoods:**

1 x Aquawood Intermedio DQ 5706  
(Optional for perfect all-round sealing)

**Hardwood and Larch:**

1 x Aquawood Intermedio ISO 5705

Application quantity: 100 - 125 µm

Intermediate drying time: approx. 2 hours

Please observe the relative technical data sheets of the products.

**Intermediate sanding**

Grit size 240 – 280

Remove sanding dust.

**Finishing coat**

1 x Aquawood Finatec 20 5129\*)

Application quantity: 250 µm

\*) For dark colour shades, we recommend applying two coats of Aquawood Finatec 20 5129 for an even appearance. Application quantity 125 µm each.

**For front doors:**

An additional application of Aquawood Protect 5128 is necessary (colourless two-component varnish).

Please observe the relative technical data sheets of the products.

## MAINTENANCE AND RENOVATION

**Maintenance and renovation**

The durability of exterior wooden components depends on many factors: These are, in particular, the type of weathering, constructive protection, mechanical stress and the choice of the processed color shade; for long durability, regular inspection, maintenance and, if necessary, repair measures are required.

Cleaning with Clean-Möbelreiniger 7208. Maintenance with Top-Care 7227 in the package Window Care-Set 7229.

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, 20 kg

**Colour shades / degrees of gloss**

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

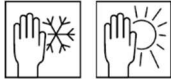
**Base paints:**

Base W30 5129000030

- 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.
- Apply exclusively pigmented colour shades to ensure a good weather resistance.
- **Please observe our ARL 800 - Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines**

**Supplementary products**

Aqua-Cleaner 8004  
 Aquawood Primo A1 5451  
 Aquawood Protect 5128  
 Top-Cleaner 7208  
 Top-Care 7227  
 Windoor Care-Set 7229  
 Pullex Plus-Lasur 4415  
 Lignovit Lasur 5315

**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).

**Technical specifications**

VOC content EU threshold for Aquawood Finatec 20 (cat. A/e):  
 130 g/l. Aquawood Finatec 20 contains a maximum of  
 30 g/l VOC.

**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 industrial and professional use.

While grinding use at least dust filter P2 as personal protective equipment to protect against sanding and wood dust. In case of hardwood (especially for Beech, Oak) a dust filter P3 is recommended.

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