

Aquawood Finatop 40

5140000030 ff

Water-based silk gloss **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, silk-glossy, breathable thick-film glaze with excellent resistance to weathering thanks to innovative, extremely durable protective mechanisms against UV radiation and maximum transparency. The product is characterized by a high level of block resistance, very good impact strength, quick resistance to water, short drying times and improved mechanical resistance.

The product is formulated without added biocidal active substances to protect against blue stain and wood-destroying fungi.

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 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.
- An intermediate coating with Aquawood Intermedio ISO 53730 ff is recommended to prevent air inclusions in deep-pored hardwood species and to avoid film interference on larch.
- When changing from Aquawood Finatop 40 5140000030 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% 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	approx. 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)



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: 20 min flash-off zone 90 min drying stage (35– 40 °C) 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. More coating systems you will find in our **ARL 309 - Working guideline for coating dimensionally stable construction elements - coating system Elements**.

Impregnation

1 x Aquawood Primo A3 - A6 5453000310 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.

Please observe the relative technical data sheets of the products.

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 Finatop 40 5140000030 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

Frumento	5140055968
Canapa	5140053812
UV-Plus Chiaro	5140062628
UV-Plus Scuro	5140062629
Tanne	5140058707
Orzo	5140053825



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

Base paints:

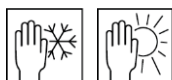
Base W30 5140000030

- 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 particularly emphasise the wood texture, the colour selected for Aquawood Primo A3 – A6 5453000310 ff should be darker than that of Aquawood Finatop 40 5140000030 ff.

Supplementary products

Aquawood Primo A3 - A6 5453000310 ff
Aquawood Intermedio 53663
Aquawood Intermedio ISO 53613 ff
Aquawood Protect 53215
ADLER Aqua-Cleaner 80080
ADLER Top-Care 7227000210
Lignovit Lasur 53135 ff
Pullex Plus-Lasur 50314 ff
Pullex Aqua-Plus 53101 ff

FURHTER 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 Finatop 40 (cat. A/e):
130 g/l (2010). Aquawood Finatop 40 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**.

The product is only suitable for the industrial and professional use

In general, you must avoid inhaling paint aerosols when spraying; this is ensured by proper use of a breathing mask (combination filter A2/P2).
