

Aquawood Finatop 40

5140

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

System-matched in **3-layer-structure**

PRODUCT DESCRIPTION

General

Silk-glossy, water-based breathable thick-layer stain with excellent weather resistance due to innovative, extremely long-lasting protective mechanisms against UV radiation. The product is characterised by highest transparency, high blocking resistance, very good impact strength, very fast water resistance, short drying times and improved resistance against mechanical damage.

Special properties and standards



- **Proof of suitability according to DIN EN 927-2**



- **ÖNORM EN 71-3**
Safety of toys; migration of certain elements (free of heavy metals)



- **DIN 53160-1 and DIN 53160-2**
Confirmed by an external test certificate.
Perspiration and saliva-proof properties.

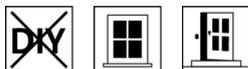


- **KOMO® product certificate**
KOMO® certification 33392 based on BRL 0817 "Film-forming intermediate and top coat systems on wood".



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

Application area



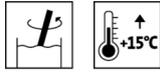
For dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows and front doors.

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).

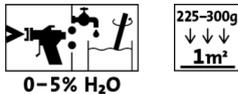
PROCESSING

Processing instructions



- 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 from approx. 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 (5705) is recommended to prevent air inclusions in deep-pored hardwood species and to avoid film interference on larch.
- When changing from Aquawood Finatop 40 (5140) 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



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)
Spraying nozzle Ø (mm)	0,28 – 0,33	
Spray nozzle (Ø inch)	0,011 – 0,013	
Nozzle angle (°)	20 – 40	
Spraying pressure (bar)	80 – 100	
Vaporizer Air (bar)	-	0,5 – 1,5
Spraying distance (cm)	25	
Diluent	Wasser	
Diluent amount added (%)	0 – 5	
Applied quantity per application (g/m²)	225 – 300	
Wet film (µm)	225 – 300	
Dry film complete coating system (µm)	80 – 120	

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times
(at 23 °C and 50 % rel. humidity)



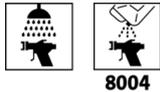
Dust-dry (ISO 1517)	ca. 1 hour(s)
Tack-free	ca. 2 hour(s)
Stackable with PE fine foam spacers at room temperature	ca. 5 hour(s)
Stackable with PE fine foam spacers after forced drying 20 minutes evaporation zone / dripping zone 90 minutes drying stage (35 – 40 °C) 20 minutes cooling stage	ca. 130 minutes
Recoatable	ca. 12 hour(s)

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 paint 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.

KOMO-certified coating systems can be found under: <https://www.komo.nl/certificaten/33392/>

Impregnation

1 x Aquawood Primo A3 (5453) - Aquawood Primo A6 (5456)

Intermediate drying: approx. 4 hour(s)

Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.

Please follow our **ARL 056 - Working guideline for the use of wood preservatives.**

Intermediate coat

Softwoods:

1 x Aquawood Intermedio DQ (5706)

Hardwoods and Larch:

1 x Aquawood Intermedio ISO (5705)

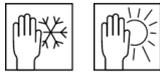
Intermediate drying: approx. 2 hour(s)

Intermediate sanding 	Grit size 220 – 280 Remove sanding dust.
Finishing coat	1 x Aquawood Finatop 40 (5140)
For front doors	An additional application of Aquawood Protect (5128) (colourless two-component varnish) is necessary.
MAINTENANCE	
Care	<p>The durability depends on several factors: these include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour applied. To obtain long durability, regular inspection, maintenance and, if necessary, repair measures are necessary .</p> <p>Annual cleaning with Top-Cleaner (7208) and maintenance with Top-Care (7227) in the package with Window Care-Set (7229).</p> <p>Please follow our ARL 304 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and repair.</p>
ORDERING INFORMATION	
Size of trading unit	5 kg, 25 kg, 120 kg poly drum
Colour shades / Glosslevels 	<p>Standard colour(s): Frumento (5140055798) Canapa (5140053812) UV-Plus Chiaro (5140062628) UV-Plus Scuro (5140062629) Tanne (5140058707) Orzo (5140053825)</p> <p>Other colour shades can be obtained using the ADLER colour mixing system ADLERMix.</p> <p>Base paint(s): Aquawood Finatop 40 Basis W30 (5140000030)</p> <p>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.</p> <p>In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface.</p> <p>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.</p> <p>In order to lay particular emphasis on the wood structure, the colour shade of Aquawood Primo A3 (5453) – Aquawood Primo A6 (5456) selected should be darker than the one of Aquawood Finatop 40 (5140).</p> <p>Please observe our ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.</p>

Supplementary products

Aqua-Cleaner (8004)
 Aquawood Intermedio DQ (5706)
 Aquawood Intermedio ISO (5705)
 Aquawood Primo A3 (5453)
 Aquawood Primo A4 (5454)
 Aquawood Primo A5 (5455)
 Aquawood Primo A6 (5456)
 Aquawood Protect (5128)
 Lignovit Lasur (5315)
 Pullex Plus-Lasur (4415)
 Top-Care (7227)
 Top-Cleaner (7208)
 Windoor Care-Set (7229)

Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS**Durability / storage**

Min. 1 year(s) in the original sealed containers.

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

Close opened containers well and use the content as soon as possible.

Technical specifications

VOC content: EU limit for Aquawood Finatop 40 (Kat A/e): 130 g/l.
 Aquawood Finatop 40 contains maximum 30 g/l VOC.

Giscode

BSW20

DGNB (German Sustainable Building Council)

Quality level 4 (with factory coating)

Safety information

The product is only suitable for the industrial and professional use.

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

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

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.