

Aquawood Finapro H-A 20

5104

Water-based, **matt thick-layer glaze** for **wood/aluminium windows**, for use in industry and trade

PRODUCT DESCRIPTION

General

Matt, water-based, breathable thick-coat glaze with a high degree of transparency. Stand-out features of this product include good resistance to light, excellent scratch resistance, very good block resistance and chemical resistance and short drying times.

Special properties and standards



- **DIN 53160-1 and DIN 53160-2**
Perspiration and saliva-proof properties



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



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

Application area



Dimensionally stable wood-aluminium components, such as e.g. windows and front doors.

Not suitable for direct outdoor exposure.

PROCESSING

Processing instructions

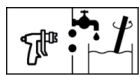


- Please stir the product before use. However, prevent entry of air while stirring.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- Too high 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.
- We do not recommend applying two layers of Aquawood Finapro H-A 20 (5104) 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 (5705) is recommended to prevent air inclusions in deep-pored hardwood species and to avoid film interference on larch.
- When changing from Aquawood Finapro H-A 20 (5104) 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% H₂O



225 -
300 g
↓
1m²

	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	Water	
Diluent amount added (%)	0 – 5	
Applied quantity per application (g/m ²)	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)

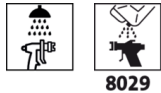


Dust-dry (ISO 1517)	ca. 30 minute
Tack-free	ca. 3 hour(s)
Stackable with PE fine foam spacers at room temperature	ca. 4 hour(s)
Stackable with PE fine foam spacers after forced drying 20 minutes evaporation zone / dripping zone 90 minutes drying stage (35 – 40 °C) 20 minutes cooling stage	ca. 130 minutes
Recoatable	ca. 12 h

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 (8029) (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: 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:**

Not necessary

Hardwoods and Larch:

1 x Aquawood Intermedio ISO (5705)

Intermediate drying: approx. 2 hour(s)

Intermediate sanding 	Grit size 240 – 280 Remove sanding dust.
Finishing coat	1 x Aquawood Finapro H-A 20 (5104)
MAINTENANCE	
Care	<p>The durability for timber-aluminium components is extremely high due to the absence of weathering. Touch-up of the coated inner surfaces should be carried out as following:</p> <p>Annual cleaning with Top-Cleaner (7208) and maintenance with Top-Care (7227) in the package with Windoor 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	25 kg, 120 kg poly drum
Colour shades / Glosslevels	<p>Standard colour(s): Farblos, für Holz/Alu (5104069414)</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>
Supplementary products	Aqua-Cleaner 8029 (8029) Aquawood Intermedio ISO (5705) Aquawood Primo A1 (5451) 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 up the content as soon as possible.
Technical specifications	VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Aquawood Finapro H-A 20 (Cat A/e): 130 g/l. Aquawood Finapro H-A 20 contains a maximum of 40 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**.
