

## Aquawood Fineline L

5193

Medium-thickness, transparent finishing coat for wooden windows and exterior doors, for use in industry and trade.

Optimised for a 3-layer coating system

### PRODUCT DESCRIPTION

#### General

Water-based, transparent finishing coat with very good weathering resistance and uniform degradation when exposed to weathering. Medium-thickness coat with 30 to 50 µm dry film thickness, depending on the way it is applied. Stand-out features of this product include very good block resistance, rapid establishment of water resistance, short drying times, a high degree of diffusivity and a natural look.

#### Special properties and standards



- **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



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



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

#### Application area



For dimensionally stable and limited dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows, front doors, window shutters, gates, winter garden.

According to ÖNORM B3803, it is also possible to fall below the minimum layer thickness of 80 µm for transparently pigmented water-based coatings on dimensionally stable timber components if this is demonstrably done in agreement with the manufacturer of the coating material and the end user is demonstrably informed of the shortened care intervals.

For humid rooms (e.g. indoor swimming pools) only with a special build-up.

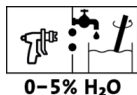
## PROCESSING

### 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 %.
- 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 Finline L (5193) 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                                 | Water         |                                                |
| Diluent amount added (%)                | 0 - 5         |                                                |
| Applied quantity per application (g/m²) | 150 - 175     |                                                |
| Wet film (µm)                           | 125 - 150     |                                                |
| Dry film complete coating system (µm)   | 30 - 50       |                                                |

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)



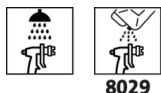
|                     |                    |
|---------------------|--------------------|
| Dust-dry (ISO 1517) | approx. 30 minutes |
| Grip-resistant      | approx. 3 hour(s)  |
| Recoatable          | approx. 12 hour(s) |

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 (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 (5453)

Intermediate drying time: approx. 4 hours

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

**Windows und front doors:**

**Softwoods:**

1 x Aquawood Intermedio DQ (5706)

**Hardwoods and Larch:**

1 x Aquawood Intermedio ISO (5705)

or

1 x Aquawood Intercare SQ (5522)

Intermediate drying: approx. 2 hour(s)

**Window shutters, gates and winter garden:**

1 x Aquawood Intermedio Isogrip (5714)

Intermediate drying time: approx. 4 hours

### Intermediate sanding



Grit size 220 – 280

Remove sanding dust.

### Finishing coat

1 x Aquawood Finline L (5193)

### For front doors

To achieve optimal chemical and mechanical resistance, an additional application of Aquawood Protect (5128) (colourless two-component clear

coating) is recommended, or alternatively the use of the Aquawood Protor or Aquawood Dura system. Deviations from this system recommendation may lead to reduced surface resistance.

## MAINTENANCE

### Care

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.

Annual cleaning with Top-Cleaner (7208) and maintenance with Top-Care (7227) in the package with Windoor Care-Set (7229).

### Maintenance

Please follow our **ARL 304 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and repair.**

## ORDERING INFORMATION

### Size of trading unit

4 kg, 22 kg

### Colour shades / Glosslevels



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

#### Base paint(s):

Aquawood Finline L Basis W40 (5193000040)

The final colour tone is generally determined by the inherent colour of the wood, the quantity applied and the colour shade of the coating.

In order to ensure uniformity of the colour shade, use only material with 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 Finline L selected should be darker than the one of the top-coat.

### Supplementary products

Aqua-Cleaner 8029 (8029)  
 Aquawood Intercare SQ (5522)  
 Aquawood Intermedio DQ (5706)  
 Aquawood Intermedio ISO (5705)  
 Aquawood Intermedio Isogrip (5714)  
 Aquawood Primo (5453)  
 Aquawood Protect (5128)  
 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 Finline L (Cat A/d): 130 g/l.  
 Aquawood Finline L contains a maximum of 50 g/l VOC.

|                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Giscode</b>                                                                                                 | BSW30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>DGNB (German Sustainable Building Council)</b>                                                              | Quality level 4 (with factory coating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Safety information</b><br> | <p>The product is only suitable for the industrial and professional use.</p> <p>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.</p> <p>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).</p> <p>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 <b><a href="http://www.adler-lacke.com">www.adler-lacke.com</a></b>.</p> |