

## Aquawood Ligno+ Sealer

5710

Water-based, **ready-to-use intermediate coating** for **wooden windows and front doors** for industrial and commercial use.

System-matched in a **3 or 4-layer coating**

### PRODUCT DESCRIPTION

#### General

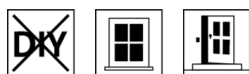
Water-based, transparent intermediate coating. The product is block-resistant and is characterised by very good transparency and a high barrier effect against water. Prevents the sanding through of coloured immersion impregnations.

#### Special properties and standards



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

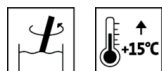
#### Application area



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

### PROCESSING

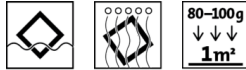
#### Processing instructions



- 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 %.
- The product is not weather-resistant without a topcoat!
- In case of flow coating for a long time, the pH-value reduces and, as a result, there could be sagging problems. Hence, the pH value of impregnations that have already been used must be checked and, if required, corrected to the target pH-value of 8 – 8.4 by adding approx. 0.10 % of Neutralisationsmittel 9125 (96149) (the addition of 0.10 % will increase the pH-value up to approx. 0.6 units).
- If the viscosity increases as a result of evaporation, it must be compensated with water (set viscosity: 53 - 56 seconds in a 2mm-measuring-cup) Before measuring the wood dust has to be screened.
- If foam forms in the flooding system, the addition of 0.1 - 0.3 % defoamer solution 90642 is recommended.

- 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.
- 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



	Flow coating	Immersion
Applied quantity per application (g/m <sup>2</sup> )	80 - 100	

The product is ready to use.

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)



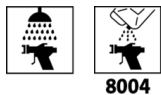
Re-coatable at room temperature	approx. 2 hour(s)
Re-coatable after forced drying 20 minutes draining 50 minutes drying stage (35 - 40 °C) 20 minutes cooling stage	approx. 90 minutes

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

Spruce, fir, pine, larch and oak 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

### Impregnation

#### Softwoods:

1 x Aquawood Ligno+ Base (5402000210)




#### Oak:

1 x Aquawood Ligno+ Base Eiche Natur (5402100534)

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**.

<b>Intermediate coat</b>	<p>1 x Aquawood Ligno+ Sealer (5710)</p> <p>Intermediate drying time: approx. 2 hour(s)</p> <p><b>Additional coating for oak, larch or resin-rich softwood species in general:</b></p> <p>1 x Aquawood Ligno+ Sealer SQ (5711)</p> <p>Intermediate drying: at least 2 hour(s)</p> <p>Sealing all V-joints with V-Fugensiegel (7509).</p>
<b>Intermediate sanding</b> 	<p>Grit size 220 – 280</p> <p>Remove sanding dust.</p>
<b>Topcoat</b>	<p><b>Spruce, fir, pine:</b></p> <p>1 x Aquawood Ligno+ Top M Fichte Natur (5192084175)</p> <p><b>Larch:</b></p> <p>1 x Aquawood Ligno+ Top M Lärche Natur (5192055666)</p> <p><b>Oak:</b></p> <p>1 x Aquawood Ligno+ Top M Eiche Natur (5192055667)</p>
<b>For front doors</b>	An additional application of Aquawood Protect (5128) (colourless two-component varnish) is necessary.
<b>ORDERING INFORMATION</b>	
<b>Size of trading unit</b>	5 kg, 25 kg, 120-kg-Polyfass
<b>Colour shades / Glosslevels</b>	<p><b>Standard colour(s):</b></p> <p>Farblos (5710000200)</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>
<b>Supplementary products</b>	<p>Aqua-Cleaner (8004)</p> <p>Aquawood Ligno+ Base (5402)</p> <p>Aquawood Ligno+ Sealer SQ (5711)</p> <p>Aquawood Ligno+ Top M (5192)</p> <p>Entschäumer-Lösung für Aquawood TIG (90642)</p> <p>Neutralisationsmittel 9125 (96149)</p> <p>V-Fugensiegel (7509)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>
<b>FURTHER DETAILS</b>	
<b>Durability / storage</b>  	<p>Min. 1 year(s) in the original sealed containers.</p> <p>Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).</p> <p>Close opened containers well and use up the content as soon as possible.</p>
<b>Technical specifications</b>	<p>VOC content of the ready-to-use mixture: EU limit for Aquawood Ligno+ Sealer (Cat A/e):130 g/l.</p> <p>Aquawood Ligno+ Sealer contains maximum 60 g/IVOC.</p>
<b>Giscode</b>	BSW50

**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.

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)**.