

Aquawood Ligno+ Sealer

59110

Water-based, **intermediate coat** ready for immersion for wooden windows and front doors for industrial and professional use

It has been matched as a system with a **3-coat structure** using Aquawood Ligno+ Base and Aquawood Ligno+ Top

PRODUCT DESCRIPTION

General

Water-based and transparent intermediate coating ready for application by flow coating and immersion, with very good weather resistance as well as block-resistance and very good transparency for softwood in the above mentioned coating system.

Special properties and standards

- The coating is protected against blue stain and mould by a biocidal active substance.

Active substances

0.3 % iodpropinylbutylcarbamate (IPBC)

- Improves weathering resistance by way of "all-round sealing"
- Prevents grinding straight through of coloured immersion impregnations.
- Particularly high blocking effect against water.
- French Ordinance DEVL1104875A** regarding the marking of construction coating products with respect to their emission of volatile pollutants: A+



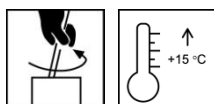
Application area



- Dimensionally stable timber components such as wooden windows, front doors or garage gates.
- Particularly suitable for softwoods with low resin content.

PROCESSING

Instructions for use

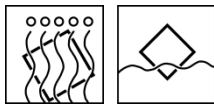


- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +15 °C.
- Optimal temperature while dip-coating or flow-coating is between 15 - 25°C with a relative atmospheric humidity between 40 - 80%.
- The product is not weather-resistant 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

7.00 – 8.40 by adding 0.05 – 0.10 % of the neutralisation agent 96149 (the addition of 0.10 % will increase the pH-value up to approx. 0.7 units).

- In case of an increase of viscosity in consequence of evaporation it will be necessary to adjust with water (nominal viscosity: 50 - 55 s in 2-mm-cup). Before measuring the wood dust has to be screened.
- On foam generation we recommend an addition of 0,1 – 0,3% Entschäumerlösung 90642.
- Please follow our "**Working guideline for coating dimensionally stable and limited dimensionally stable construction elements**" along with all standards and guidelines for window construction.

Application technique



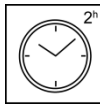
Application method	Flow coating	immersion
Yield per application (m ² /l) ¹⁾	11	
Yield per application (g/linear metre)	50	

The product is prepared such that it is ready to use.

The shape and properties of the substrate and wood moisture 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)



Recoatable at room temperature:	after approx. 2 hours
Recoatable after forced drying: 20 min dripping 50 min drying stage (35– 40°C) 20 min cooling stage	after approx. 90 minutes

The figures indicated serve as a guide and are for reference. The drying time depends on the type of wood, coat thickness, temperature, air exchange and relative atmospheric humidity.

Avoid direct sunlight (very quick drying).

Cleaning the working equipment



With water immediately after use.

Remove flashed-off coat residues using ADLER Aqua-Cleaner 80080 or ADLER Abbeizer Rote Krähe (Red Crow) 95125.

SUBSTRATE

Type of substrate

Softwoods, oak and larch in accordance with the guidelines for window construction

Substrate property (or condition)

The substrate must be dry, clean, capable of holding the paint and free of grease, wax and wood dust.

Wood moisture

Dimensionally stable structures: 13 % +/- 2 %

COATING SYSTEM

Primer coat	<p>1 x Aquawood Ligno+ Base 57960 4 hours drying time</p> <p>Please observe the relative technical data sheets of the products.</p>
Intermediate coat	<p>1 x Aquawood Ligno+ Sealer 59110 Intermediate drying at least 2 hours</p> <p>Additional coat for Oak, Larch or, in general, for all kinds of softwoods rich in resin content:</p> <p>1 x Aquawood Ligno+ Sealer SQ 59114 Wet-film thickness 100-125 µm</p> <p>Sealing coat on all V-joints using ADLER V-Fugensiegel transparent 55630.</p> <p>Please observe the relative technical data sheets of the products.</p>
Intermediate sanding	<p>Sanding grain size 220 – 240.</p> <p>Remove the wood dust.</p>
Topcoat	<p>Softwood: Aquawood Ligno+ Top 59111 Wet-film thickness 250 - 275 µm</p> <p>Larch: Aquawood Ligno+ Top, Lärche Natur 59141 Wet-film thickness 250 - 275 µm</p> <p>Oak: Aquawood Ligno+ Top, Eiche Natur 59106 Wet-film thickness 250 - 275 µm</p> <p>Please observe the relative technical data sheets of the products.</p>



MAINTENANCE & RENOVATION

Maintenance	<p>The storage stability depends on several factors. These include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour shades applied. Preservation work must be carried out in time for a long period of storage stability. Annual maintenance is recommended for this purpose.</p> <p>Windows: Cleaning with ADLER Top-Cleaner 51696 and preservation using ADLER Top-Finish 51697 in the ADLER Pflegeset-Plus 51695 preservative kit.</p> <p>Front doors: Cleaning with ADLER Top-Cleaner 51696 and preservation using ADLER Door-Finish 51700 in the ADLER Haustürenpflegeset (front door preservative kit) 51709.</p> <p>Please observe the relative technical data sheets of the products.</p>
Renovation	<p>Renovation with Pullex Aqua-DSL 51501 ff or, in case of greyed wood, with Pullex Renovier-Grund 50236 ff and Pullex Fenster-Lasur 50413.</p> <p>Please observe the relative technical data sheets of the products.</p>

ORDERING INFORMATION

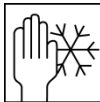
Size of trading unit 5 kg; 25 kg; 120-kg Poly drum

Colour / Degree of gloss Farblos (colourless) 59110

Supplementary products

- Aquawood Ligno+ Base 57960
- Aquawood Ligno+ Sealer SQ 59114
- Aquawood Ligno+ Top 59111
- Aquawood Ligno+ Top, Lärche Natur 59141
- Aquawood Ligno+ Top, Eiche Natur 59106
- ADLER V-Fugensiegel transparent 55630
- ADLER Top-Cleaner 51696
- ADLER Top-Finish 51697
- ADLER Pflegeset-Plus 51695
- ADLER Door-Finish 51700
- ADLER Haustürenpflegeset 51709
- Pullex Aqua DSL 51501 ff
- Pullex Renovier-Grund 50236 ff
- Pullex Fenster-Lasur 50413
- ADLER Neutralisationsmittel 96149
- ADLER Entschäumerlösung 90642

FURTHER 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.

Technical specifications

Delivery viscosity 12 s in accordance with DIN 53211 (4-mm-cup, 20°C) or 50 – 55 s in accordance with DIN 53211 (2-mm-cup, 20°C)

VOC content EU limit value for Aquawood Ligno+ Sealer (Kat. A/e): 130 g/l (2010). Aquawood Ligno+ Sealer contains maximum 70 g/l VOC.

Safety-related information

Please follow the associated safety data sheet! The latest version can be retrieved from the Internet at www.adler-lacke.com.
