

Aquawood Ligno+ Sealer SQ

5711

Water-based **intermediate coating** for **wooden windows and front doors** for industrial and commercial use

System-matched in a **4-layer system**

PRODUCT DESCRIPTION

General

Water-based, colourless and ready-to-use intermediate coating. The product is block-resistant and is characterised by a high water barrier effect, very good weather resistance and transparency, good sandability and good filling power for particularly full-bodied and smooth surfaces. Prevents sanding through of coloured immersion impregnations. Minimises surface defects in larch and generally in resin-rich softwood species. Particularly full and smooth surfaces.

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.

Particularly suitable for oak and resin-rich softwood species.

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!
- Too little quantity applied, too heavy intermediate sanding and/or increased thinning will reduce the insulation effect!
- When changing from Aquawood Ligno+ Sealer SQ (5711) 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.

- 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.)	Cup gun
Spraying nozzle Ø (mm)		0,28	1,8
Spray nozzle (Ø inch)		0,011	-
Nozzle angle (°)		20 - 40	-
Spraying pressure (bar)		80 - 100	3 - 4
Vaporizer Air (bar)	-	0,5 - 1,5	-
Applied quantity per application (g/m²)		100 - 125	
Wet film (µm)		100 - 125	

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)



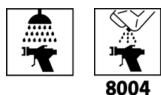
Dust-dry (ISO 1517)	ca. 30 minutes
Tack-free	ca. 1 hour(s)
Recoatable at room temperature	ca. 2 hour(s)
Recoatable after forced drying 20 minutes dripping zone 90 minutes drying stage (35 – 40 °C) 20 minutes cooling stage	ca. 90 hour(s)

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

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	<p>Softwoods: 1 x Aquawood Ligno+ Base (5402000210)</p> <p>Oak: 1 x Aquawood Ligno+ Base Eiche Natur (5402100534) Intermediate drying time: approx. 4 hours</p> <p>Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.</p> <p>Please follow our ARL 056 - Working guideline for the use of wood preservatives.</p>
Intermediate coat	<p>1 x Aquawood Ligno+ Sealer (5710) Intermediate drying: at least 2 hour(s)</p> <p>Additional coating for oak, larch or resin-rich softwood species in general: 1 x Aquawood Ligno+ Sealer SQ (5711) Intermediate drying time: approx. 2 hour(s) Sealing all V-joints with V-Fugensiegel (7509).</p>
Intermediate sanding 	<p>Grit size 220 – 280 Remove sanding dust.</p>
Topcoat	<p>Spruce, fir, pine: 1 x Aquawood Ligno+ Top M Fichte Natur (5192084175)</p> <p>Larch: 1 x Aquawood Ligno+ Top M Lärche Natur (5192055666)</p> <p>Oak: 1 x Aquawood Ligno+ Top M Eiche Natur (5192055667)</p>
For front doors	<p>An additional application of Aquawood Protect (5128) (colourless two-component varnish) is necessary.</p>
ORDERING INFORMATION	
Size of trading unit	5 kg, 25 kg, 120-kg-Polyfass
Colour shades / Glosslevels	<p>Standard colour(s): Farblos (5711000200)</p>
Supplementary products	<p>Aqua-Cleaner (8004) Aquawood Ligno+ Base (5402) Aquawood Ligno+ Sealer (5710) Aquawood Ligno+ Top M (5192) Aquawood Protect (5128) V-Fugensiegel (7509)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>

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: EU limit for Aquawood Ligno+ Sealer SQ (Cat A/e):130 g/l.

Aquawood Ligno+ Sealer SQ contains maximum 60 g/IVOC.

Giscode

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.

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).

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.