

Aquawood Ligno+ Sealer SQ

5711

Water-based **intermediate** coat for **wooden windows and exterior doors**, for use in industry and trade

Optimised for a **4-layer** coating system

PRODUCT DESCRIPTION

General

Water-based, colourless intermediate coat, ready for spraying. The product is block-resistant and creates an effective barrier against water, while also offering very good weathering resistance and transparency, good sandability and good filling performance, creating especially rich and smooth surfaces. Prevents coloured dip impregnation products from being removed by sanding. Minimises surface defects with larch and with resinous softwoods in general. Especially rich 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 application quantity, excessively heavy intermediate sanding and/or increased thinning will reduce the stain-blocking 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)
Recoat at room temperature	ca. 2 hour(s)
Recoat 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



8029

With water immediately after use.

To remove dried paint residues we recommend using Clean Aqua-Cleaner (8029) (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 (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.
Intermediate coat	1 x Aquawood Ligno+ Sealer (5710) Intermediate drying: at least 2 hour(s) 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).
Intermediate sanding 	Grit size 220 – 280 Remove sanding dust.
Topcoat	Spruce, fir, pine: 1 x Aquawood Ligno+ Top M Fichte Natur (5192084175) Larch: 1 x Aquawood Ligno+ Top M Lärche Natur (5192055666) Oak: 1 x Aquawood Ligno+ Top M Eiche Natur (5192055667)
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.
ORDERING INFORMATION	
Size of trading unit	5 kg, 25 kg, 120 kg poly drum
Colour shades / Glosslevels	Standard colour(s): Farblos (5711000200)
Supplementary products	Clean Aqua-Cleaner 8029 (8029) Aquawood Ligno+ Base (5402) Aquawood Ligno+ Sealer (5710) Aquawood Ligno+ Top M (5192) Aquawood Protect (5128) V-Fugensiegel (7509) 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 Ligno+ Sealer SQ (Cat A/e): 130 g/l.

Aquawood Ligno+ Sealer SQ contains a maximum of 50 g/l VOC.

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.