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Technical data sheet

Paint runs through our veins.

Aquawood Lärchenöl SQ 5119

Water-based **oil for wood-aluminium windows and wood-aluminium doors** for industrial and commercial use.
System-matched in a **3-layer system**

PRODUCT DESCRIPTION

General

Water-based, layer-forming oil based on high-quality natural and synthetic raw materials. Very good penetration capacity, water-repellent effect, quick drying. Emphasises the character of the wood with a matt, natural-looking surface.

Special properties and standards

- **declared product in baubook**
  Criteria of the "Baubook Ökologisch ausschreiben" fulfilled

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

Application area

Dimensionally stable wood-aluminium components, such as e.g. windows and front doors.

Particularly suitable for softwoods.

For humid areas (e.g. indoor pools) only with a special coating system.

For non-dimensionally stable timber components we recommend Pullex Holzöl (4410), Lignovit Terra (5341) or Pullex Aqua-Terra (5347) .

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 %.
- Too high dry film thicknesses from approx. 120 µm reduce the diffusion capacity and should thus be avoided.
- 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.

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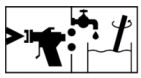
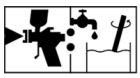
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

- When changing from Aquawood Lärchenöl SQ (5119) to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- 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.
- 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.)	Cup gun
Spraying nozzle Ø (mm)	0,28		1,8 – 2,0
Spray nozzle (Ø inch)	0,011		-
Nozzle angle (°)	20 – 40		-
Spraying pressure (bar)	80 – 100		3 - 4
Vaporizer Air (bar)	-	0,5 – 1,5	-
Spraying distance (cm)	25		
Diluent	Water		
Diluent amount added (%)	0 – 5		10
Applied quantity per application (g/m²)	100 – 125		
Wet film (µm)	100 – 125		
Dry film complete coating system (µm)	60 – 80		

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. 3 hour(s)
Recoatable	ca. 4 hour(s)
Stackable with PE fine foam spacers at room temperature	ca. 4 hour(s)
Stackable with PE fine foam spacers after forced drying 20 minutes evaporation/dripping zone 90 minutes drying phase (35 - 40 °C) 20 minutes cooling phase	ca. 130 minutes
Dried through	ca. 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!

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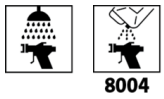
Cleaning the working equipment  8004	With water immediately after use. To remove dried paint residues we recommend using Aqua-Cleaner (8004) (diluted 1:1 with water).

SUBSTRATE

Type of substrate	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 A1 (5451) - 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	**Softwoods:** 1 x Aquawood Intermedio DQ (5706) **Hardwoods and Larch:** 1 x Aquawood Intermedio ISO (5705) Intermediate drying: approx. 2 hour(s) Alternatively, Aquawood Lärchenöl SQ (5119) can also be used for softwoods and hardwoods. Intermediate drying time: approx. 4 hours
Intermediate sanding	Grit size 220 – 280 Remove sanding dust.
Finishing coat	1 x Aquawood Lärchenöl SQ (5119)

MAINTENANCE

Care	For care purposes indoors, it is occasionally necessary to clean with warm water and sponge wipes. For cleaning, a mild neutral detergent can be added to the washing water.
Maintenance	Please follow our **ARL 304 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and repair.**

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ORDERING INFORMATION

Size of trading unit	5 kg, 25 kg
Colour shades / Glosslevels	**Standard colour(s):** Farblos (5119000200) Colour shades can be obtained using the **ADLER colour mixing system ADLERMix**. **Base paint(s):** Aquawood Lärchenöl SQ Basis W30 (5119000030) 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 Primo (5453) selected should be darker than the one of Aquawood Lärchenöl SQ (5119). Please observe our **ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.**
Supplementary products	Aqua-Cleaner (8004) Aquawood Intermedio DQ (5706) Aquawood Lärchenöl SQ (5119) Aquawood Primo A1 (5451) Aquawood Primo A2 (5452) Aquawood Primo (5453) Lignovit Terra (5341) Pullex Aqua-Terra (5347) Pullex Holzöl (4410) 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: EU limit for Aquawood Lärchenöl SQ (Cat A/e):130 g/l. Aquawood Lärchenöl SQ contains maximum 50 g/lVOC.
Giscode	Ö20
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.

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).

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.**

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