Pache SARL - 64 Route de Gravin, 74300 Magland
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Technical data sheet

Paint runs through our veins.

Aquawood Intercare ES 5501

Water-based, **insulating spray filler** for use in industry and trade

PRODUCT DESCRIPTION

General

Water-based, fast-drying spray filler. Stand-out features of this product include very good sandability, good filling performance, a very good yield and effective insulation of active substances in the wood. Especially environmentally friendly due to its low organic solvent content.

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

For dimensionally stable and limited dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows, front doors, window shutters, gates, winter garden.

Particularly suitable for softwoods.

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 little application quantity, excessively heavy intermediate sanding and/or increased thinning will reduce the stain-blocking effect!
- When changing from Aquawood Intercare ES (5501) 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.

6-0 IMC 5501 | 09/26 | replaces 5-0

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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.

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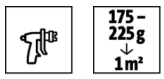
Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)
Spraying nozzle Ø (mm)	0,28 – 0,33	
Spray nozzle (Ø inch)	0,011 – 0,013	
Nozzle angle (°)	20 – 40	
Spraying pressure (bar)	80 – 100	
Vaporizer Air (bar)	-	0,5 – 1,5
Spraying distance (cm)	25	
Fine strainer (µm)	150 (100 Mesh)*	
Applied quantity per application (g/m²)	175 - 225	
Wet film (µm)	150 - 200	

* Smaller meshes are unsuitable

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)

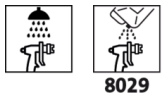
Re-coatable at room temperature	approx. 4 hour(s)
Re-coatable after forced drying 20 minutes draining 50 minutes drying stage (35 - 40 °C) 20 minutes cooling stage	approx. 90 minutes

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 Clean Aqua-Cleaner (8029) (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.

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Impregnation	1 x Aquawood Primo A2 (5452) 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 Intercare ES (5501) Intermediate drying time: approx. 4 hour(s)
Intermediate sanding	Grit size 220 – 280 Remove sanding dust.
Finishing coat	1 x Aquawood Covatop XT 20 (5020) or 1 x Aquawood Covapro 20 (5023) or 1 x Aquawood Covapro 40 (5029) or 1 x Aquawood Covapro 60 (5027)
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
Colour shades / Glosslevels	**Standard colour(s):** Weiß (5501050000) Other colour shades can be obtained using the **ADLER colour mixing system ADLERMix**. **Base paint(s):** Aquawood Intercare ES Basis W30 (5501000030) Please observe our **ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.**
Supplementary products	Clean Aqua-Cleaner 8029 (8029) Aquawood Covapro 20 (5023) Aquawood Covapro 40 (5029) Aquawood Covapro 60 (5027) Aquawood Covatop XT 20 (5020) Aquawood Primo A2 (5452) Aquawood Protect (5128) Please refer to the corresponding technical data sheets of the products.

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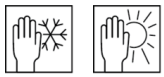
FURTHER DETAILS

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 Intercare ES (Cat A/d): 130 g/l. Aquawood Intercare ES contains a maximum of 60 g/l VOC.
Giscode	BSW30
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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