

# Aquawood Intercare ES

5501

Water-based insulating spray filler for industrial and professional use

## PRODUCT DESCRIPTION

### General

Water-based, fast-drying spray filler. The product is characterized by very good sandability, good filling power, very good coverage and good insulating effect of wood ingredients. Particularly environmentally friendly due to low content of organic solvents.

### Special properties and standards

- Registered in **baubook**
- **French ordinance DEVL1104875A** regarding the 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

### 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.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.
- Too little quantity applied, too heavy intermediate sanding and/or increased thinning will reduce the insulation effect!
- 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.

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ADLER-Werk Lackfabrik, A-6130 Schwaz

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Our instructions are based on current knowledge and are intended to advise the purchaser/user to the best of our knowledge, but are to be individually adapted to areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for the modification of the container sizes, colour shades and degrees of gloss available.

**Application technique**



Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)
Spray nozzle (ø mm)	0.28 or 0.33	0.28 or 0.33
Spray nozzle (ø inch)	0.011 or 0.013	0.011 or 0.013
Spraying angle (degrees)	20 – 40	20 – 40
Spraying pressure (bar)	80 – 100	80 – 100
Atomized air (bar)	-	0.5 – 1.5
Fine strainer	100 mesh, approx. 150 µm <sup>2)</sup>	
Spraying distance (cm)	approx. 25	
Wet film (µm)	150 – 200	
Application quantity per application (g/m <sup>2</sup> ) <sup>1)</sup>	170 – 230	

<sup>2)</sup> Finer screens are not suitable

**The product is ready to spray.**

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)



Recoatable	after approx. 4 hours
Recoatable after forced drying: 20 minutes flash-off zone 50 minutes drying stage (max. 35 °C) 20 minutes cooling stage	after 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 equipment**

**the working**

With water immediately after use.




To remove dried paint residues we recommend using Aqua-Cleaner 8004 (diluted 1:1 with water).


**SUBSTRATE**

<b>Type of substrate</b>	Wood in accordance with the guidelines for window construction.
<b>Substrate property</b>	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.
<b>Wood moisture</b>	Dimensionally stable construction elements: 13 % +/- 2 %

**COATING SYSTEM**

<b>General</b>	The following coating systems are exemplary.
<b>Impregnation</b>	1 x Aquawood Primo A2 5452 Intermediate drying time: approx. 4 hours Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.
<b>Intermediate coat</b>	1 x Aquawood Intercare ES 5501
<b>Intermediate sanding</b>	Grit size 220 – 280 Remove sanding dust.
	
<b>Finishing coat</b>	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 Please observe the relative technical data sheets of the products.
<b>For front doors:</b>	An additional application of Aquawood Protect 5128 is necessary (colourless two-component varnish). Please observe the relative technical data sheets of the products.

**ORDERING INFORMATION**

<b>Size of trading unit</b>	5 kg, 25 kg, 120 kg	
<b>Colour shades / degrees of gloss</b>	White	5501050000
	Other colour shades can be obtained using the <b>ADLER colour mixing system ADLERMix</b> .	
	<b>Base paints:</b> Base W30 5501000030	
	<ul style="list-style-type: none"> <li><b>Please observe our ARL 800</b> - Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines</li> </ul>	

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**Supplementary products**

Aquawood Primo A2 5452  
Aquawood Protect 5128  
Aquawood Covatop XT 20 5020  
Aquawood Covapro 20 5023  
Aquawood Covapro 40 W10 5029  
Aquawood Covapro 60 W10 5027  
Aqua-Cleaner 8004  
Aquawood Protect 5128

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**FURTHER DETAILS**

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**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 (above 30 °C).

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**Technical specifications**

VOC-content	EU threshold for Aquawood Intercare ES (cat. A/d): 130 g/l (2010). Aquawood Intercare ES contains maximum 50 gm./l VOC (Volatile Organic Compounds).
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**Safety-related information**

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](http://www.adler-lacke.com)**.

The product is only suitable for industrial and professional use.

While grinding use at least dust filter P2 as personal protective equipment to protect against sanding and wood dust. In case of hardwood (especially for Beech, Oak) a dust filter P3 is recommended.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).

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