

## Aquawood Primo A1

5451000300 ff

Water-based transparent **wood preservative impregnation** for **wooden windows** and **front doors** for **industrial and professional use**

It has been matched as a system with a **3-coat structure**

### PRODUCT DESCRIPTION

#### General

Colourless water-based ready-to-use wood preservative impregnation with active biocidal agents. The product is characterised by very good sagging behaviour on hardwood and softwood. Contains effective light stabilizers to absorb UV radiation and to stabilize the lignin component of the wood.

#### Special properties and standards

- Approval as a wood preservative (PT8) according to the Biocidal Products Directive of the EU.
- The active substances used provide the protection against blue stain (test according to DIN EN 152) and wood-destroying fungi (test according to EN 113) required by ÖNORM B 3803 and DIN 68800-3. Application quantity for testing in conformity with the standards 120-200 g/m<sup>2</sup>.

#### Active substances (B, P, W)

8,0 g/kg (0,80 %) IPBC (Iodpropinylbutylcarbamat)  
4,0 g/kg (0,40 %) Tebuconazol

- Certificate of appreciation (05/93) ARGE Holzschutzmittel (wood preservatives consortium), Association of the Austrian chemical industry.
- **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 wooden windows, front doors, window shutters, gates, winter gardens, in usage classes 2 and 3 without soil contact.

### PROCESSING

#### Instructions for use



- 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 %.

03-20 (supersedes 02-20) ZKL 5451

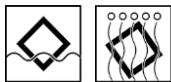
ADLER-Werk Lackfabrik, A-6130 Schwaz

Phone: 0043/5242/6922-190, Fax: 0043/5242/6922-309, Mail: technical-support@adler-lacke.com

Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. 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.

- The treated surfaces must be coated with a suitable topcoat to prevent the active substances from being washed out. This surface coating must be maintained continuously.
- In case of flow coating for a long time, the pH-value reduces and, as a result, there could be sagging problems. Hence, the pH value of impregnations that have already been used must be checked and, if required, corrected to the target pH-value of 9.0 – 9.45 by adding 0.10 – 0.20 % of the neutralisation agent 96149 (the addition of 0.10 % will increase the pH-value up to approx. 0.6 units).
- If the viscosity increases as a result of evaporation, it must be compensated with water (set viscosity: 47 – 52 s (2-mm-cup). Before measuring the wood dust has to be screened.
- On foam generation in the flow-coating machine we recommend an addition of 0.2 – 0.3 % Entschäumerlösung 90642 or ADLER Entschäumerlösung 90643.
- 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, **ARL 056 - Working guideline for the use of wood preservatives** and our **ARL 340 - Wood protection of dimensionally stable and limited dimensionally stable construction elements according to DIN 68800/1-3.**

**Application technique**



Application method	Immersion	Flow coating
Yield per application (g/m <sup>2</sup> )	100 – 120	

**Attention: Do not spray the product!**

The product is ready to use.

The shape, the properties and moisture of the substrate affect the consumption/yield. 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 min dripping 50 min drying stage (35– 40 °C) 20 min 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 (very quick drying).

**Cleaning the working equipment**



With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

<b>SUBSTRATE</b>	
<b>Type of substrate</b>	Wood in accordance with the guidelines for window construction.
<b>Substrate property</b>	<p>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.</p> <p>A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.</p>
<b>Wood moisture</b>	13 % +/- 2 %
<b>Wood sanding:</b>	<p>Hardwoods: grit size 150 – 180</p> <p>Softwoods: grit size 100 – 150</p>
<b>COATING SYSTEM</b>	
<b>General</b>	The following coating systems are exemplary.
<b>Impregnation</b>	1 x Aquawood Primo A1 5451000300 ff
<b>Intermediate coat</b>	<p>1 x Aquawood Intermedio 53663</p> <p>or</p> <p>1 x Aquawood Intermedio ISO 53613</p> <p>Intermediate drying: approx. 2 hours</p> <p>Please observe the relative technical data sheets of the products.</p>
<b>Intermediate sanding</b>	<p>Grit size 220 - 240</p> <p>Remove sanding dust.</p>
	
<b>Finishing coat</b>	<p>1 x Aquawood DSL Q10 M 51751 ff</p> <p>or</p> <p>1x Aquawood DSL HighRes 59127 ff</p> <p>or</p> <p>1 x Aquawood Natureffekt 5127000200</p> <p>or</p> <p>1 x Aquawood Nativa 5195000220</p> <p>Please observe the relative technical data sheets of the products.</p>
<b>For front doors:</b>	<p>An additional application of Aquawood Protect 53215 is necessary (colourless two-component varnish).</p> <p>Please observe the relative technical data sheets of the products.</p>

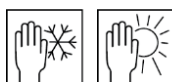
## ORDERING INFORMATION

<b>Size of trading unit</b>	4 l, 22 l, 120 l poly-drum	
<b>Colour shades / degrees of gloss</b>	W30	5451000030
	W40	5451000040
	Farblos	5451000200
	Softweiß	5451054375
	H/A	5451065979

<b>Supplementary products</b>	Aquawood Intermedio 53663 Aquawood Intermedio ISO 53613 ff Aquawood DSL Q10 M 51751 ff Aquawood DSL HighRes 59127 ff Aquawood Natureffekt 5127000200 Aquawood Nativa 5195000220 Aquawood Protect 53215 ADLER Aqua-Cleaner 80080 ADLER Neutralisationsmittel 96149 ADLER Entschäumerlösung 90642 ADLER Entschäumerlösung 90643	
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## FURTHER DETAILS

### 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).

### Technical specifications

Delivery viscosity	approx. 47 - 52 s in accordance with DIN 53211 (2-mm-cup, 20 °C)
VOC content	EU threshold for Aquawood Primo A1 (cat. A/f): 130 g/l (2010). Aquawood Primo A1 contains a maximum of 80 g/l VOC.

### 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 the industrial and professional use

Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.

Wood freshly treated with Aquawood Primo A1 must be stored on an impermeable, hard substrate after painting to prevent product residue from penetrating into the ground or waters. Any leaking product must be collected for reuse or disposal.

Aquawood Primo A1 contains active biocidal substances to protect against blue stain and wood-destroying fungi. The product should therefore only be used when protection of the wood is prescribed or in specific cases when it is necessary. Do not apply in rooms which are used to gain, produce, store or sell food and feed. Do not use for wood that is fitted in apiaries or saunas and for wood in permanent contact with the ground and/or waters. Danger for bats. Treated wood is not to be used within spitting distance to waters.