

## Aquawood Intercare FlowQ

5521050000

Water-based primer/intermediate coat 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

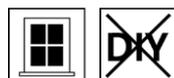
Water-based white primer/intermediate coat. Improves the weather-resistance of the coating structure due to an excellent moisture proof. Very good pore wetting especially on coarsely porous timbers (Meranti). The product is characterised by very good insulation, very good filling power and very good blocking resistance and is formulated without the addition of active biocidal substances to protect against blue stain and wood-destroying fungi.

#### Special properties and standards



- KOMO® product certificate FILM FORMING MID- AND TOP-COAT SYSTEMS ON TIMBER
- **French ordinance DEVL1104875A** regarding the 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.

### 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 %.
- The product is not weather-resistant without a topcoat!
- 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 8.50 – 9.30 by adding 0.05 – 0.10 % of the neutralisation agent 96149 (the addition of 0.10 % will increase the pH-value up to approx. 0.5 units).

07-20 (supersedes 02-20) ZKL 5510

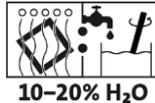
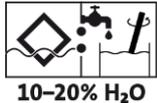
ADLER-Werk Lackfabrik, A-6130 Schwaz

Phone: 0043/5242/6922-301, Fax: 0043/5242/6922-309, email: 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.

- If the viscosity increases as a result of evaporation, it must be compensated with water (set viscosity: 60 - 70 s in a 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 0.1 – 0.3 % Entschäumerlösung 90642.
- 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**



Application method	Flow coating	Immersion
Dilution (thinning)	water	
Addition of thinner in %	10-20	
Viscosity (s) 2-mm cup, 20 ° C	60-70	
Yield per application (g/m <sup>2</sup> )	100 - 150	

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 90 min

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).

**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 %

**Preparation of the substrate**

Wood sanding hardwoods: grit size 150 - 180  
Wood sanding softwoods: grit size 100 - 150

## COATING SYSTEM

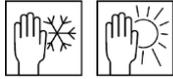
<b>General</b>	<p>The following coating systems are exemplary.</p> <p>KOMO-certified coating systems can be found under:  <a href="https://www.komo.nl/certificaten/33392/">https://www.komo.nl/certificaten/33392/</a></p>
<b>Primer/Impregnation</b>	<p>1 x Aquawood Primo A2 5452050000  Intermediate drying: approx. 4 hours</p> <p>Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.</p> <p>or</p> <p>1 x Aquawood Intercare FlowQ 5521050000  Intermediate drying: approx. 4 hours  (applies to timbers of durability class 1-3 according to EN 350-2)</p> <p>Please observe the relative technical data sheets of the products.</p>
<b>Intermediate coat</b>	<p>1 x Aquawood Intercare FlowQ 5521050000  Intermediate drying: at least 4 hours</p> <p>For woods rich in substances such as larch or oak, etc. an additional application with ADLER Acryl-Spritzfüller 41002 or Aquawood Intercare SQ 5522050000 is necessary.</p>
<b>Intermediate sanding</b>	<p>Grit size 220 – 240</p> <p>Remove sanding dust.</p>
	
<b>Finishing coat</b>	<p>1x Aquawood Covapro 20 5023000010 ff  or  1 x Aquawood Covapro 40 W10 5029000010 ff</p> <p>Wet-film thickness 200 – 250 µm</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>
<b>ORDERING INFORMATION</b>	
<b>Size of trading unit</b>	25 kg, 150-kg-poly drum
<b>Colour shades / degrees of gloss</b>	Wei 5521050000
<b>Supplementary products</b>	<p>Aquawood Primo A2 Wei 5452050000  Aquawood Covapro 20 5023000010 ff  Aquawood Covapro 40 W10 5029000010 ff  ADLER Acryl-Spritzfüller 41002  Aquawood Intercare SQ 5522050000  ADLER Neutralisationsmittel 96149  ADLER Entschäumerlösung 90642  Aquawood Protect 53215</p>

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**FURHTER 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 Intermedio FlowQ (cat. A/d): 130 g/l (2010). Aquawood Intercare FlowQ contains maximum 40 g/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 the industrial and professional use

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