

Aquawood Intercare FlowQ

5521

Water-based **primer and intermediate coat** for **wooden windows and exterior doors**, for use in industry and trade

Optimised for a **3-layer coating system**

PRODUCT DESCRIPTION

General

Water-based, white primer and intermediate coating. Improves the weathering resistance of the coating system with optimal protection against moisture. Very good pore wetting, especially on coarse-pored types of wood (Meranti). Stand-out features of this product include very good insulating properties, very good filling performance and very good block resistance.

Special properties and standards



- **KOMO® product certificate**
KOMO® certification 33392 based on BRL 0817 "Film-forming intermediate and top coat systems on wood".



- **French ordinance DEVL1104875A**
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

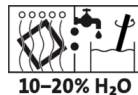
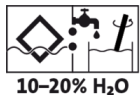
Processing instructions



- 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 %.
- 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 8.8 – 9.3 by adding approx. 0.10 % of Neutralisationsmittel 9125 (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: 60 second – 70 second in a 2 mm-measuring-cup)
- If foam forms in the flooding system, the addition of 0.1 - 0.3 % Entschäumer-Lösung (9015) is recommended.
- 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.

Application technique



	Flow coating	Immersion
Diluent	Water	
Diluent amount added (%)	10 - 20	
Applied quantity per application (g/m²)	100 - 150	

* 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)



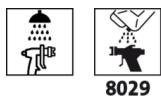
Re-coatable at room temperature	approx. 4 h
Re-coatable after forced drying 20 minutes draining 50 minutes drying stage (35 - 40 °C) 20 minutes cooling stage	approx. 90 minutes

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 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 %

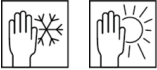

Substrate preparation

Wood sanding:

Hardwoods: Grit size 150 - 180

Softwoods: Grit size 100 - 150

COATING SYSTEM	
General	<p>The following coating systems are exemplary.</p> <p>KOMO-certified coating systems can be found under: https://www.komo.nl/certificaten/33392/</p>
Impregnation/Primer coat	<p>1 x Aquawood Primo A2 (5452)</p> <p>Intermediate drying time: approx. 4 hours</p> <p>Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.</p> <p>Please follow our ARL 056 - Working guideline for the use of wood preservatives.</p> <p>or</p> <p>1 x Aquawood Intercare FlowQ (5521) (applies to woods in Durability Classes 1 – 3 in accordance with EN 350)</p> <p>Intermediate drying time: approx. 4 hour(s)</p>
Intermediate coat	<p>1 x Aquawood Intercare FlowQ (5521)</p> <p>Intermediate drying time: approx. 4 hour(s)</p> <p>Woods that contain a lot of active substances, e.g. larch or oak, require an additional application of Aquawood Intercare ISO (5503) or Aquawood Intercare SQ (5522).</p>
Intermediate sanding 	<p>Grit size 220 – 240</p> <p>Remove sanding dust.</p>
Finishing coat	<p>1 x Aquawood Covatop XT 20 (5020)</p> <p>or</p> <p>1 x Aquawood Covapro 20 (5023)</p> <p>Wet film thickness: 250 – 300 µm</p>
For front doors	<p>An additional application of Aquawood Protect (5128) (colourless two-component varnish) is necessary.</p>
ORDERING INFORMATION	
Size of trading unit	25 kg, 150 kg poly drum
Supplementary products	<p>Aqua-Cleaner 8029 (8029)</p> <p>Aquawood Covapro 20 (5023)</p> <p>Aquawood Covatop XT 20 (5020)</p> <p>Aquawood Intercare ISO (5503)</p> <p>Aquawood Intercare SQ (5522)</p> <p>Aquawood Primo A2 (5452)</p> <p>Aquawood Protect (5128)</p> <p>Entschäumer-Lösung (9015)</p> <p>Neutralisationsmittel 9125 (96149)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>

FURTHER DETAILS	
Durability / storage 	<p>Min. 1 year(s) in the original sealed containers.</p> <p>Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).</p> <p>Close opened containers well and use up the content as soon as possible.</p>
Technical specifications	<p>VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Aquawood Intercare FlowQ (Cat A/d): 130 g/l.</p> <p>Aquawood Intercare FlowQ contains a maximum of 40 g/l VOC.</p>
Giscode	BSW50
DGNB (German Sustainable Building Council)	Quality level 4 (with factory coating)
Safety information 	<p>The product is only suitable for the industrial and professional use.</p> <p>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.</p> <p>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.</p>