

## Aquawood TIG HighRes Weiß

**543700101**

Water-based **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** using Aquawood Intermedio or ADLER Acryl-Spritzfüller and Aquawood DSL Q10 M or ADLER Acryl-Spritzlack Q10 M.

### PRODUCT DESCRIPTION

#### General

Water-based and ready-for-use wood preservative impregnation with a particularly good coverage of squared timber made of softwood. Very good sagging behaviour on hardwood and softwood with insulating effect for wood extractives.

#### Special properties and standards



- The active substances used provide the protection required against blue-stain (Test conforming to EN 152-1) and wood destroying fungi (Test conforming to EN 113), as specified by ÖNORM B 3803 or DIN 68800-3. Coating quantity for testing in conformity with the standards is approx. 120 g/m<sup>2</sup>.

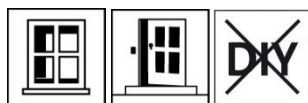
#### Active Substances (B, P, W)

0,8 % (0,8 g/100 g) Iodpropinylbutylcarbamate (IPBC)

0,4 % (0,4 g/100 g) Tebuconazol

- Approval according to the Biocidal Products Directive of the EU.
- Approval certificate (05/93) ARGE Holzschutzmittel (consortium wood preservatives), Association of the Austrian chemical industry.
- French Ordinance DEVL1104875A** regarding the labelling of construction coating products with respect to their emission of volatile pollutants: A+

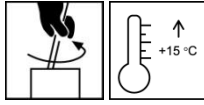
#### Application area



- For dimensionally stable and limited dimensionally stable timber components for exterior such as windows, front doors, window shutters, balconies, gates, winter garden, in usage class 2 and 3 without ground contact.

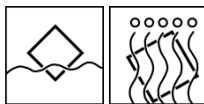
## PROCESSING

### Instructions for use



- Please stir the product before use.
- The temperature of the product, 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 8.40 – 8.80 by adding 0.10 – 0.20 % of the neutralisation agent 96149 (the addition of 0.1 % will increase the pH-value up to approx. 0.6 units).
- In case of an increase of viscosity in consequence of evaporation it will be necessary to adjust with water (nominal viscosity: 50 - 55 s in 2-mm-cup). Before measuring the wood dust has to be screened.
- On foam generation in the liquid agitation machine we recommend an addition of 0.1 – 0.3% Entschäumerlösung 90642.
- Please follow our **"Working guideline for coating dimensionally stable and limited dimensionally stable construction elements"** along with all standards and guidelines for window construction and the **"Guidelines on the use of wood preservatives"**.

### Application technique



Application method	Immersion (or dipping)	Flow-coating
Viscosity (s) 2-mm-cup, 20° C	50 - 55	
Yield per application (g/m <sup>2</sup> )	100 - 120	

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

**If the product is sprayed under exceptional circumstances, please ensure that a breathing mask type A2/P3 is used.**

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 at room temperature:	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 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.

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 or ADLER Abbeizer Rote Krähe (Red Crow) 95125.

## SUBSTRATE

### Type of substrate

Wood in accordance with the guidelines for window construction.

### Substrate property (or condition)

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

Dimensionally stable components: 13 % +/- 2 %

## COATING SYSTEM

### Primer coat

1 x Aquawood TIG HighRes Weiß 543700101

### Intermediate coat

#### Transparent :

Aquawood Intermedio 53663 or  
Aquawood Intermedio HF 53769 or  
Aquawood Intermedio ISO 53613  
Intermediate drying: approx. 2 hours

or

Aquawood Intermedio HighRes MF 59119 or  
Aquawood Intermedio HighRes HF 59118 or  
Aquawood Intermedio HighRes ISO 59120 ff  
Intermediate drying: approx. 2 hours

#### Transparent wood aluminium:

No intermediate coat

#### Opaque:

ADLER Acryl-Spritzfüller 41002 oder  
ADLER Acryl-Spritzfüller SL 41029  
Intermediate drying: approx. 4 hours

or

ADLER Acryl-Spritzfüller HighRes 41028  
Intermediate drying: approx. 4 hours

Please observe the relative technical data sheets of the products.

### Intermediate sanding



Grit size 220 - 240

### Topcoat

#### Transparent:

Aquawood DSL Q10 M Weiß 51805

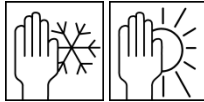

#### Transparent wood aluminium:

Aquawood Natureffekt 53955 ff

#### Opaque:

ADLER Acryl-Spritzlack Q10 M 4320

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION		
Size of trading unit	4 l; 22 l, 120 l poly drum	
Colour shades / Degree of gloss	Weiß 543700101	
Supplementary products	Aquawood Intermedio 53663 Aquawood Intermedio HighRes MF 59119 Aquawood MS-Color 43902 ADLER Acryl-Spritzfüller 41002 ADLER Acryl-Spritzlack Q10 M 4320 Aquawood DSL Q10 M Weiß 51805 Aquawood Natureffekt 53955 ff ADLER Aqua-Cleaner 80080 ADLER Abbeizer Rote Krähe 95125 ADLER Neutralisationsmittel 96149 ADLER Entschäumerlösung 90642	
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. 50 - 55 s (2-mm-cup)
	VOC content	EU limit value for Aquawood TIG HighRes Weiß (Cat. A/f): 130 g/l (2010). Aquawood TIG HighRes Weiß contains maximum 77 g/l VOC.
Safety-related information	 <p>Please follow our “Guidelines on the use of wood preservatives” and the associated safety data sheet! The current version can be retrieved from the Internet at <b><a href="http://www.adler-lacke.com">www.adler-lacke.com</a></b></p> <p>The product is only suitable for industrial and professional use.</p> <p>Aquawood TIG HighRes Weiß contains active biocidal substances to protect against blue stain, wood-destroying fungi and has a preventive effect against insect infestation. The product should therefore only be used when protection of the wood is prescribed or in specific cases when it is necessary.</p>	