

## Aquawood TG

5435

Water-based **wood primer** for **wooden windows** and **front doors** for **industrial and professional use**

It has been matched as a system with a **3-coat structure** with **Aquawood Intermedio** or **Aquawood Intermedio HighRes** and **Aquawood DSL Q10 M** or **Aquawood DSL HighRes**

### PRODUCT DESCRIPTION

#### General

Water-based wood primer. Particularly good coverage of squared timber made of softwood. Very good sagging behaviour on hardwood and softwood. The product contains effective UV absorbers for absorption of UV radiation and stabilising the wood constituent lignin.

#### Special properties and standards

- The coating is protected against blue stain and mold by a biocidal active substance.

**Active substance:**

0,3 % (3,0 g/kg) IPBC (3-Iodpropinylbutylcarbamate)

- French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+



#### Application areas



- 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 soil contact.

### 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 %.
- 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: 45 - 50 s in 2 mm cup). Before measuring the wood dust has to be

08-17 (supersedes 01-16) ZKL 5435

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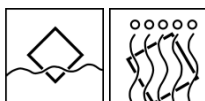
ADLER-Werk Lackfabrik (Paints factory), A-6130 Schwaz  
Tel: 0043/5242/6922-301, Fax: 0043/5242/6922-309, email: technical-support@adler-lacke.com

Our instructions for use are based on knowledge available currently and shall guide the purchaser / 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 takes responsibility for the suitability and use of the delivered product. It is therefore recommended to produce a sample specimen for testing 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.

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.

**Application technique**



Application method	Immersion	Flow coating
Viscosity (s) 2-mm cup, 20° C	45 - 50	
Yield per application (g/m <sup>2</sup> )	100 - 120	

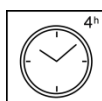
**Attention: Do not spray product!**

**Attention: If the product is sprayed on in exceptional cases, an A2/P3 respirator mask must be 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 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 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

1x Aquawood TG 5435

### Intermediate coat

#### Transparent:

Aquawood Intermedio 53663  
 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

#### Opaque:

ADLER Acryl-Spritzfüller 41002 or  
 ADLER Acryl-Spritzfüller SL 41029 or  
 ADLER Acryl-Spritzfüller HighRes 41028

Please observe the relative technical data sheets of the products.

### Intermediate sanding

Grit size 220 – 240



### Topcoat

#### Transparent:

Aquawood DSL Q10 M 51751 ff or  
 Aquawood DSL HighRes 59127 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 / degree of gloss

#### Standard colours:

Dunkelbraun U	543540001
Kiefer U	543540002



Other colour shades can be obtained using the **ADLER colour mixing system ADLERMix**.

#### Base paints:

Aquawood TG W30	57680
Aquawood TG W40	57681

- **The final colour shade is basically obtained from the inherent colour of the wood, the applied quantity, the colour shade of the impregnation and the colour shade of the finishing coat applied.**
- It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.
- In order to particularly emphasise the wood texture, the colour selected for Aquawood TG should be darker than that of Aquawood DSL Q10 M or Aquawood DSL HighRes.

- Apply exclusively pigmented colour shades to ensure a good weather resistance

### Supplementary products

Aquawood Intermedio 53663  
 Aquawood Intermedio HF 53769  
 Aquawood Intermedio HighRes MF 59119  
 Aquawood Intermedio HighRes HF 59118  
 Aquawood Intermedio HighRes ISO 59120 ff  
 Aquawood DSL Q10 M 51751 ff  
 Aquawood DSL HighRes 59127 ff  
 ADLER Aqua-Cleaner 80080  
 ADLER Abbeizer Rote Krähe 95125  
 ADLER Acryl-Spritzlack Q10 M 4320  
 ADLER Acryl-Spritzfüller HighRes 41028  
 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. 11 sec. in accordance with DIN 53211 (4-mm-cup, 20 °C) or approx. 45 - 50 s (2-mm-cup)
VOC content	EU threshold for Aquawood TG (cat. A/f): 130 g/l (2010). Aquawood TG contains maximum 60 gm./l VOC (Volatile Organic Compounds).

### Safety-related information



Please pay attention to the associated 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.