

Aquawood Primo TG

5461

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**

PRODUCT DESCRIPTION

General

Water-based wood primer with particularly good coverage of softwood edges. The product is characterised by very good sagging behaviour on hardwood and softwood and contains effective light stabilisers to absorb UV radiation and to stabilise the wood component lignin.

Special properties and standards



- The coating is protected against blue stain and mould 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 and interior use, such as e.g. wooden windows, front doors, window shutters, gates, winter garden, etc.

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 9.0 – 9.5 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.

Application technique



Application method	Immersion	Flow coating
Yield per application (g/m ²)	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).

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.

A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.

Wood moisture

13 % +/- 2 %

Wood sanding:

Hardwoods: grit size 150 – 180
Softwoods: grit size 100 – 150

COATING SYSTEM

General	The following coating systems are exemplary.
Primer coat	1 x Aquawood Primo TG 5461
Intermediate coat	1 x Aquawood Intermedio DQ 5706 or 1 x Aquawood Intermedio ISO 5705 Intermediate drying: approx. 2 hours Please observe the relative technical data sheets of the products.
Intermediate sanding	Grit size 220 – 240 Remove sanding dust.
	
Finishing coat	1 x Aquawood Finatop 40 5140 or 1 x Aquawood Finapro 20 5101 Please observe the relative technical data sheets of the products.
For front doors:	An additional application of Aquawood Protect 5128 is necessary (colourless two-component varnish). Please observe the relative technical data sheets of the products.

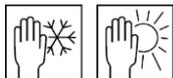
ORDERING INFORMATION

Size of trading unit	4 l, 22 l, 120 l poly-drum
Colour shades / degrees of gloss	Colour shades can be obtained using the ADLER colour mixing system ADLERMix . Base paints: Base W30 5461000030 Base W40 5461000040
	<ul style="list-style-type: none"> • The final colour is basically obtained from the inherent colour of the wood, the applied quantity, the colour of the primer and the colour of the finishing coat. • In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface. • 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 lay particular emphasis on the wood structure, the colour shade of Aquawood Primo TG 5461 selected should be darker than the shade of the topcoat.

Supplementary products

Aquawood Intermedio DQ 5706
Aquawood Intermedio ISO 5705
Aquawood Finatop 40 5140
Aquawood Finapro 20 5101
Aquawood Protect 5128
ADLER Aqua-Cleaner 80080
ADLER Neutralisationsmittel 96149
ADLER Entschäumerlösung 90642
ADLER Entschäumerlösung 90643

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

VOC content	EU threshold for Aquawood Primo TG (cat. A/f): 130 g/l (2010). Aquawood Primo TG contains a maximum of 80 g/l VOC.
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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**.

The product is only suitable for the industrial and professional use
