

## Aquawood Diamond-Sealer D

5520050000

Water-based, white **2K primer/intermediate coating** for **premium wooden windows for industrial and professional use**

It has been matched as a system with a **3-coat structure**

### PRODUCT DESCRIPTION

#### General

Water-based, white two-component primer/intermediate coating. The product is characterised by excellent wet adhesion, excellent insulation, good filling power and very good grindability.

#### Special properties and standards



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

#### Application areas



- High-quality wooden windows.

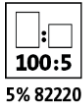
### PROCESSING

#### 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 %.
- Do not close containers with hardened material.
- When changing from Aquawood Diamond-Sealer D 5520050000 to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- 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.

**Blending ratio**



100 parts by weight and volume of Aquawood Diamond-Sealer D 5520050000  
5 parts by weight of ADLER Aqua-PUR-Härter 82220

ADLER Diamond-Sealer D 5520050000 can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

ADLER Aqua-PUR-Härter 82220 must be carefully worked into the paint components by stirring before processing. After addition of hardener, a waiting time of approx. 10 min is recommended for improved degassing.

**Pot life**

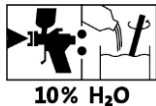
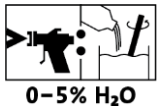


approx. 2 hours

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

**Application technique**



Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Pressure cup gun
Spray nozzle (ø mm)	0.28 – 0.33	0.28 – 0.33	2.2
Spray nozzle (ø inch)	0.011 – 0.013	0.011 – 0.013	
Spraying pressure (bar)	80 – 100	80 – 100	3 – 4
Atomized air (bar)	-	1 – 2	-
Spraying distance (cm)	approx. 25		
Thinner	water		
Thinner amount added in %	0 - 5		10
Wet film (µm)	approx. 150 - 200		
Yield per application (g/m <sup>2</sup> ) <sup>1)</sup>	approx. 240 – 320		

<sup>1)</sup> Yield including addition of thinner and loss while spraying

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 room temperature 20 °C)



Dust-dry (ISO 1517)	after approx. 30 minutes
Tack-free	after approx. 5 hours
Dried through	after approx. 12 hours

If necessary, a forced drying is also possible.

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 separative substances such as grease, wax, silicone, resin etc. and free from wood dust, and must be checked to see whether it is suitable of being coated.

**Wood moisture** 13 % +/- 2 %

**Preparation of the substrate** Wood sanding grit size 120–150

## COATING SYSTEM

**Impregnation** 1 x Aquawood TIG HighRes Weiß 543700101 or  
1 x Aquawood Primo A2 Weiß 5452000305

Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.

**Primer/  
Intermediate coat** 1 x Aquawood Diamond-Sealer D 5520050000

**Intermediate sanding** Grit size 220 – 240



Remove sanding dust.

**Finishing coat** 1 x Aquawood Diamond-Top D 5090000010 ff  
Please observe the relative technical data sheets of the products.

## ORDERING INFORMATION

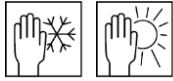
**Size of trading unit** 20 kg

**Colour shades / degrees of gloss** Weiß 5520050000

**Supplementary products** ADLER Aqua-PUR-Härter 82220  
ADLER Aqua-Cleaner 80080  
Aquawood TIG HighRes Weiß 543700101  
Aquawood Primo A2 Weiß 5452000305  
Aquawood Diamond-Top D 5090000010 ff

**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 Diamond-Sealer D (cat. A/d): 130 g/l (2010). Aquawood Diamond-Sealer D contains a maximum of 50 g/l VOC.

**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 industrial and professional use.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).