

## Aquawood Protor-Base D NG

5806

Water-based, white **2-component primer / intermediate coating** for opaque coatings on **front doors** for **industrial and professional use**

Compatible in **combination** with **Aquawood Protor-Finish D NG**.

### PRODUCT DESCRIPTION

#### General

Water-based, white 2-component primer / intermediate coating with excellent UV-resistance, wet adhesion and insulating effect particularly for the Aquawood Protor coating system for front doors.

#### Special properties and standards



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

#### Application area



- High-quality front doors made of wood.

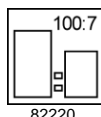
### PROCESSING

#### 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 %.
- Please follow our **“Working guidelines for the coating of dimensionally stable and limited dimensionally stable building components - Coating of front doors and garage doors with Aquawood Protor”** along with the standards and guidelines for window construction.

#### Blending ratio



100 parts by weight of Aquawood Protor-Base D NG 5806  
7 parts by weight of ADLER Aqua-PUR-Härter (Hardener) 82220

Aquawood Protor-Base D NG can be used only with a hardener and in the blending ratio specified. Any deviations will cause film and adhesion defects.

ADLER Aqua-PUR-Härter (Hardener) must be incorporated carefully in the painting component by stirring.  
After adding the hardener, it is recommended that you wait for about 10 min. for improved degasification.

**Pot Life**

2 hours



A further extension of the pot-life is not possible.

**Application technique**



10 %

Application method	Airless	Airless Air-supported (air mix, air coat, etc.)	Compressed-air 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	-
Dilution (thinning)	water		
Thinner amount added in %	-	-	10
Application quantity (g/m <sup>2</sup> )	ca. 150 – 200		
Yield per application (g/m <sup>2</sup> ) <sup>1</sup>	ca. 240 – 320		
Application quantity (µm)	ca. 150 – 200		
<sup>1)</sup> Yield including addition of thinner and loss while spraying			

The shape, the properties and wood 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 min.
Tack-free	after approx. 5 hours
Through dried	after approx. 12 hours

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).

**SUBSTRATE**

**Type of substrate**

Softwoods and hardwoods as well as plastics such as poly-vinyl chloride. Polyethylene is not suitable as a substrate.

<b>Substrate property (or condition)</b>	<p>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.</p> <p><b>MDF:</b> Please use only moisture-resistant MDF boards of type 100 or qualities recommended by the manufacturer for outdoor use.</p> <p><b>PVC:</b> Cleaning and preparing a floating coat for a coating system by rubbing twice with ADLER DD-Verdünnung (Thinner) 80019. Recoating must be done within 10 to 60 minutes.</p> <p><b>Other plastics:</b> Application and possibly use of a primer after preliminary testing at the factory.</p>
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<b>Wood moisture</b>	Dimensionally stable components: 13 % +/- 2 %
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## COATING SYSTEM

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<b>Impregnation</b>	<p><b>Hardwood and softwood:</b> 1 x Aquawood TIG HighRes Weiß 5437</p> <p><b>PVC:</b> None</p> <p><b>Synthetic materials:</b> Coating recommendation after a favourable test conducted previously on the original substrate.</p> <p><b>Deep primer application / Water protection / Washing primer for MDF:</b> Preliminary application of a primer coat with the solvent-based product ADLER 2-component Epoxi-Grund Weiß (White) 68316 is necessary: Pre-coat milled surfaces and edges without thinning, dry for at least 4 hours. Sand smoothly using sandpaper of grain size 240. Spray generously over the entire surface. Dilution for spraying is about 25 - 30 % of ADLER Epoxi-Spritzverdünnung (spray Thinner) 80364. Dry overnight. Smooth sanding with grain size 240.</p> <p>Please observe and follow the data sheets of the respective products.</p>
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<b>Primer coat</b>	<p><b>Hardwood and softwood:</b> 1 x Aquawood Protor-Base D NG 5806</p> <p><b>MDF:</b> 1 x Aquawood Protor-Base D NG 5806</p> <p><b>PVC:</b> None</p> <p>Please observe and follow the data sheets of the respective products.</p>
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<b>Intermediate sanding</b>	Grain size 220 – 240
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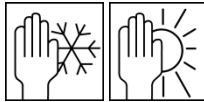
<b>Topcoat</b>	1 x Aquawood Protor-Finish D NG 5808
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**ORDERING INFORMATION**

**Size of trading unit** 2,7 kg; 8 kg; 22 kg

**Colour shades / degree of gloss** Weiß 5806050000

**Supplementary products** ADLER Aqua-PUR-Härter 82220  
 ADLER Aqua-Cleaner 80080  
 ADLER Abbeizer Rote Krähe 95125  
 ADLER DD-Verdünnung 80019  
 ADLER 2K-Epoxi-Grund Weiß 68316  
 ADLER Epoxi-Spritzverdünnung 80364  
 Aquawood TIG HighRes Weiß 5437  
 Aquawood Protor-Finish D NG 5808 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 limit value for Aquawood Protor-Base D NG (Cat. A/d): 130 gm/l (2010). Aquawood Protor-Base D NG contains maximum 50 gm/l VOC (Volatile Organic Compounds).

**Safety-relevant information**

Please follow the associated safety data sheet, the latest version can be retrieved from the Internet at [www.adler-lacke.com](http://www.adler-lacke.com).

The product is only suitable for the industrial and professional use

In general, you must avoid inhaling paint aerosols when spraying; this is ensured by proper use of a breathing mask (combination filter A2/P2 – EN 141/EN 143).