

Aquawood Protor-Finish D NG

5808

Water-based, **opaquely pigmented 2-component topcoat system** for front doors for **industrial and professional use**

It has been matched as a system in combination with **Aquawood Protor-Base D NG**

PRODUCT DESCRIPTION

General

Water-based, non-yellowing, opaquely pigmented 2K topcoat system. Excellent weather and UV resistance, very good scratch resistance, high block resistance and high chemical resistance especially for the Aquawood Protor front door coating system.

Special properties and standards



- Proof of suitability according to **DIN EN 927-2 outdoor weathering**
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application area



- High-quality wooden front doors.
- Also very good adhesion on various plastics such as PVC, polyurethane, polyester, etc.

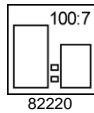
PROCESSING

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 %.
- Finely structured surfaces can be achieved by adding the structure paste Aquafix S 91201. At the same time, the high mechanical resistance is further increased. Quantity to be added 8%.
- Please observe the relative technical data sheets of the products.
- Please follow our **“Working guidelines for coating dimensionally stable and limited dimensionally stable construction elements - windows - front doors and shutters - garage doors with Aquawood Protor”** along with all standards and guidelines for window construction.

Blending ratio



100 parts by weight of Aquawood Protor-Finish D NG 5808
7 parts by weight of ADLER Aqua-PUR-Härter 82220

Aquawood Protor-Finish D NG 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.

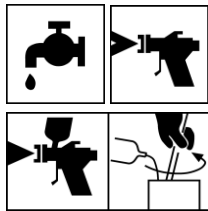
Pot Life



approx. 2 hours

A further extension of the pot life is not possible.

Application technique



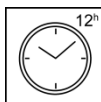
10 %

Application method	Airless	Airless air-supported (Airmix, Aircoat, 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	-
Thinner	water		
Thinner amount added in %	-	-	10
Application quantity per application (g/m ²)	wood approx. 250, PVC approx. 200		
Yield per application (g/m ²) ¹⁾	wood approx. 400, PVC approx. 320		
Application quantity (g/m ²)	wood approx. 250, PVC approx. 200		
¹⁾ 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

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

Finely porous and coarsely porous hardwood, softwood as well as plastics such as poly-vinyl chloride. Polyethylene is not suitable as a substrate.

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

Dimensionally stable components: 13 % +/- 2 %

Preparation of the substrate

MDF panels: Please use only moisture-resistant MDF boards of type 100 or qualities recommended by the manufacturer for outdoor use.

PVC: Cleaning and preparing a floating coat for a coating system by rubbing twice with ADLER DD-Verdünnung (thinner) 80019. Recoating must take place within 10 to 60 minutes.

Synthetic materials Application and possibly use of a primer after preliminary testing at the factory.

Please observe the relative technical data sheets of the products.

COATING SYSTEM

Impregnation

Hard- and softwood

1 x Aquawood TIG HighRes Weiß 5437

PVC:

none

Synthetic materials

Coating recommendation after a favourable test conducted previously on the original substrate.

Deep primer application / Water protection / Adhesion promoter for MDF:

Preliminary application of a primer coat with the solvent-based product ADLER 2K-Epoxi-Grund Weiß (white) 68316 is necessary: pre-coat milled surfaces and edges without thinning, dry for at least 4 hours. Smooth sanding grit size 240. Spray generously over the entire surface. Dilution for spraying is about 25 - 30 % of ADLER Epoxi-Spritzverdünnung 80364. Dry overnight. Smooth sanding grit size 240.

Please observe the relative technical data sheets of the products.

Primer coat

Hard- and softwood

1 x Aquawood Protor-Base D NG 5806

MDF

1 x Aquawood Protor-Base D NG 5806

PVC:

none

Synthetic materials

Coating recommendation after a favourable test conducted previously on the original substrate.

Please observe the relative technical data sheets of the products.

Intermediate sanding

Grit size 220 – 240



Topcoat

1 x Aquawood Protor-Finish D NG 5808

MAINTENANCE & RENOVATION

Maintenance and renovation

The durability depends on several factors: these include particularly the type of weathering, constructional protection, mechanical stress and the choice of colour applied. To obtain long durability, preservation work is necessary in time. Therefore, we recommend annual maintenance.

Windows:

Cleaning with ADLER Top-Cleaner 51696.

Preservation with ADLER Top-Finish 51697 in the ADLER Pflegeset-Plus (preservation kit) 51695.

Front doors:

Cleaning with ADLER Top-Cleaner 51696.

Preservation using ADLER Door-Finish 51700 in the ADLER Haustürenpflegeset (front door preservative kit) 51709.

Touching up minor flaws with the original material.

Please observe the relative technical data sheets of the products.

Please follow our "**Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and Renovation.**"

ORDERING INFORMATION

Size of trading unit

2.7 kg; 8 kg; 22 kg

Colour shades / degrees of gloss



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

Base paints:

Aquawood Protor-Finish D NG W10 5808000010

Aquawood Protor-Finish D NG W30 5808000030

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.

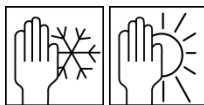
In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface.

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
 ADLER Aquafix S 91201
 ADLER Top-Cleaner 51696
 ADLER Door-Finish 51700
 ADLER Pflegeset-Plus 51695
 ADLER Haustürenpflegeset 51709
 Aquawood TIG HighRes Weiß 5437
 Aquawood Protor-Base D NG 5806

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 Protor-Finish D NG
 (cat. A/d): 130 g/l (2010). Aquawood Protor-
 Finish D NG contains a maximum of 80 g/l
 VOC.

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.

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).