

Aquawood Protor-Finish Pearl

5175

Water-based, **opaque pigmented 2-component topcoat system** for front doors for industrial and commercial use. Compatible in combination with **Aquawood Protor-Base**.

PRODUCT DESCRIPTION

General

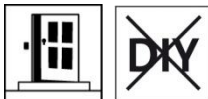
Water-thinnable, non-yellowing, **opaque pigmented 2-component topcoat system** with excellent resistance to weathering and UV having high level of scratch resistance, block resistance and chemical resistance for the Aquawood Protor coating system for front doors.

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 wooden front doors.
- In addition, excellent adhesion on different plastics such as PVC, polyurethane, polyester, etc.

PROCESSING

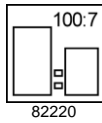
Instructions for use



- 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 %.
- You can achieve finely textured surfaces by adding the Aquafix S 91201 texture paste. At the same time, the mechanical resistance gets enhanced further. The quantity needed to be added is 8%.
- Please observe the relative technical data sheets of the products
- For a perfect surface it is recommended to realize a final fog-application of Aquawood Protor-Finish Pearl on the wet surface.
- Please follow our "**Working guidelines for the coating of dimensionally stable and somewhat dimensionally stable building components Coating of front doors and garage doors with Aquawood Protor**" along with all standards and guidelines for window construction.

Blending ratio

100 parts by weight of Aquawood Protor-Finish Pearl 5175
7 parts by weight of ADLER Aqua-PUR-Härter 82220



Aquawood Protor-Finish can be used only with a hardener and in the mixing ratio specified. Any deviations will cause film and adhesion defects.

ADLER Aqua-PUR-Härter (hardener) must be incorporated carefully into the painting component by stirring.

After adding the hardener, it is recommended that you wait for about 10 min. for improved de-aeration.

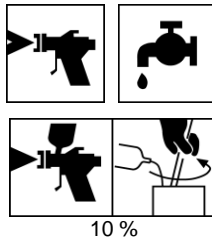
Pot Life

1 hour



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

Application technique



Application method	Airless	Airless pressurized (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
Spraying air (bar)	-	1 – 2	-
Dilution (thinning)	Water		
Thinner amount added in %	-	-	10
Application quantity (g/m ²)	max. 200		
Yield per application (gm/m ²) ¹⁾	max. 320		
Application quantity	max. 200 µm		

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	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) 95125.

SUBSTRATE

Type of substrate

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

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.

PVC: 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.

Other plastics: Application and possibly use of a primer after preliminary testing at the factory.

Wood moisture

Dimensionally stable components: 13 % +/- 2 %

COATING SYSTEM

Impregnation

Softwood:

1 x Aquawood TIG HighRes Weiß 543700101

Deep primer application / Water protection / Washing primer for MDF:

We recommend using moisture-proof medium-density fibreboard panels of type V100. Further, a 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 and allow them to dry overnight. Intermediate sanding with grain size 240. Spray generously over the entire surface. Dilution for spraying is about 25 % of ADLER Epoxi-Spritzverdünnung (Spray Thinner) 80364. Allow to dry overnight. Intermediate sanding with grain size 240.

Please observe the relative technical data sheets of the products.

Primer coat

1 x Aquawood Protor-Base D 43740

PVC: None

Please observe the relative technical data sheets of the products.

Intermediate sanding

Grain size 220 – 240



Topcoat

1 x Aquawood Protor-Finish Pearl 5175

MAINTENANCE & RENOVATION

Maintenance and renovation

The durability depends on several factors. These include particularly the type of weathering, constructive protection, mechanical stress and the choice of the applied colour shades.

To obtain a long durability preservation work is necessary in time. Therefore we recommend an annual maintenance.

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

2,2 kg and 8 kg

Colour / degree of gloss



Other colour shades can be obtained using the **ADLER colour blending system ADLERMix:**

Base paint:

Aquawood Protor-Finish Pearl 43750
(colour shade approx. RAL 9006 white aluminium)

Attention: The colour shades DB 703 – DB 705 can be realized only in combination with the structural paste ADLER Aquafix S 91201.

Supplementary products

ADLER Aqua-PUR-Härter 82220
ADLER Aqua-Cleaner 80080
ADLER Abbeizer Rote Krähe 95125
ADLER DD-Verdünnung 80019
Aquawood TIG HighRes Weiß 543700101
ADLER 2K-Epoxi-Grund Weiß 68316
ADLER Epoxi-Spritzverdünnung 80364
Aquawood Protor-Base D 43740
ADLER Aquafix S 91201
ADLER Pflegeset-Plus 51695
ADLER Top-Cleaner 51696
ADLER Door-Finish 51700
ADLER Haustürenpflegeset 51709

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-Finish Pearl (Cat. A/d): 130 gm/l (2010). Aquawood Protor-Finish Pearl contains maximum 100 gm/l VOC (Volatile Organic Compounds).
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Safety-relevant 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 commercial processing.

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).
