

Aquawood Protor-Finish D

5173

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

PRODUCT DESCRIPTION

General

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

Special Properties Testing Standards



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

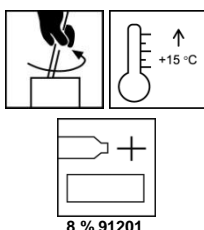
Areas of application



- High-quality front doors made of wood and MDF.
- In addition, it has excellent adhesion on different plastics such as PVC, polyurethane, polyester, etc.

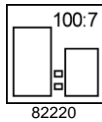
PROCESSING

Instructions for application



- 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 processing or use are between 15 – 25°C at relative atmospheric humidity from 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 and follow the data sheets of the respective products.
- Please follow our "**Working guidelines for coating dimensionally stable and partially dimensionally stable components**" along with all standards and guidelines for window construction.

Blending ratio



100 parts by weight of Aquawood Protor-Finish D 5173 ff

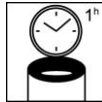
7 parts by weight of ADLER Aqua-PUR-Härter (Hardener) 82220

Aquawood Protor-Finish D can be used only with a hardener and in the blending ratio specified. Any deviations cause the film to be flawed.

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

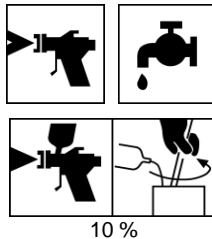
After adding the hardener, it is recommended that you wait for about 10 min. for improved de-aeration.

Pot Life



1 hour

Application technique



10 %

Application method	Airless	Airless pressurized (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
Spraying air (bar)	-	1 – 2	-
Dilution (thinning)	Water		
Thinner amount added in %	-	-	10
Application Quantity (µm)	for wood approx. 250, for PVC approx. 200		

The shape and properties of the substrate and wood moisture 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 about 30 min.
Tack-free	after approx. 5 hours
Through dried	after approx. 12 hours

The figures indicated serve as a guide and are for reference. The drying time depends on the type of wood, coat thickness, temperature, air exchange and relative atmospheric humidity.


Avoid direct sunlight (very quick drying).

Cleaning the tools and equipment



Clean with water immediately after use.

Remove flashed-off coat residues 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)	<p>The substrate must be dry, clean and capable of holding the paint and it must be free of grease and wax and free from wood dust.</p> <p>MDF: Please use only moisture-resistant MDF boards of type 100 or qualities recommended by the manufacturer for outdoor use.</p> <p>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.</p> <p>Other plastics: Application and possibly use of a primer after preliminary testing at the factory.</p>
Wood moisture	Dimensionally stable components: 13 % +/- 2 %
COATING SYSTEM	
Impregnation	<p>Hard- and Softwood: 1 x Aquawood TIG Weiß (white) 51098</p> <p>PVC: None</p> <p>Synthetic materials: Coating recommendation after a favourable test conducted previously on the original substrate.</p> <p>Deep primer application / Water protection / Washing primer for MDF: 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 and allow them to 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. Allow to dry overnight. Smooth sanding with grain size 240.</p> <p>Please observe and follow the data sheets of the respective products.</p>
Primer coat	<p>Hard- and Softwood: 1 x Aquawood Protor-Base D 43740</p> <p>MDF: 1 x Aquawood Protor-Base D 43740</p> <p>PVC: None</p> <p>Please observe and follow the data sheets of the respective products.</p>
Intermediate sanding	Sanding grain size 220 – 240
	
Topcoat	1 x Aquawood Protor-Finish D 5173

PRESERVATION & REFURBISHMENT

Preservation and Care

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

Preservation work must be carried out in time for a long period of storage stability. Annual maintenance is recommended for this purpose.

Cleaning with ADLER Top-Cleaner 51696 and preservation using ADLER Door-Finish 51700 in the ADLER Haustürenpflegeset package (front door preservative kit) 51709.

Touching up minor flaws with the original material.

Please observe and follow the data sheets of the respective products.

Refurbishing

Pullex Renovier-Grund 50236 ff and Pullex Color 50530 ff, or alternatively Pullex Aqua-Color 53331 ff.

Please observe and follow the data sheets of the respective products.

NOTES ON ORDERING

Container sizes

2,2 kg and 8 kg

Colour shades / Degree of gloss

Standard colour shades:

RAL 7016	51730001
RAL 9016	51730002



Other colour shades can be obtained using the **ADLER colour blending system ADLERMix** by mixing.

Base paints:

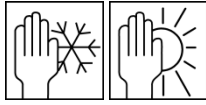
Aquawood Protor-Finish D W10	43731
Aquawood Protor-Finish D W30	43733

Supplementary products

ADLER Aqua-PUR-Härter (hardener) 82220
ADLER Aqua-Cleaner 80080
ADLER Abbeizer Rote Krähe 95125
ADLER DD-Verdünnung (Thinner) 80019
ADLER 2K-Epoxi-Grund Weiß (White) 68316
ADLER Epoxi-Spritzverdünnung (Spray thinner) 80364
ADLER Aquafix S 91201
ADLER Top-Cleaner 51696
ADLER Door-Finish 51700
ADLER Haustürenpflegeset 51709 (Front door preservative kit)
Aquawood TIG Weiß (White) 51095
Aquawood Protor Base 43732 ff
Pullex Renovier-Grund (Refurbishment primer) 50236 ff
Pullex Color 50530 ff
Pullex Aqua-Color 53331 ff.

OTHER INSTRUCTIONS

Storage stability / Storage



At least 1 year in the original sealed containers.

Store it such that it is protected against moisture, direct sunlight, frost and high temperatures.

Technical Specifications

VOC content

EU limit value for Aquawood Protor-Finish D (Cat. A/d): 130 gm/l (2010). Aquawood Protor-Finish D contains maximum 100 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**.

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