

Aquawood Protect

53215

Water-based, silk-matt or shiny **two-component clear coat** as final coating for **front doors** for **industrial and professional use**

PRODUCT DESCRIPTION

General

Water-based, silk-matt or shiny, non-yellowing, colourless, two-component spraying coat. The product is characterised by good weather- and UV resistance, high scratch resistance, high block resistance and high chemical resistance. The product is formulated without the addition of biocidal active agents to protect against blue stain and wood-destroying fungi.

Special properties and standards



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

Application areas



- Premium quality colourless finishing coat for opaque and transparent coated front doors.

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 %.
- 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 Aquawood Protect 53215
7 parts by weight of ADLER Aqua-PUR-Härter 82220

Aquawood Protect 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.

08-20 (supersedes 10-16) ZKL 5128

ADLER-Werk Lackfabrik, A-6130 Schwaz

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Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for the modification of the container sizes, colour shades and degrees of gloss available.

After addition of hardener, a waiting time of approx. 10 min is recommended for improved degassing.

Pot Life

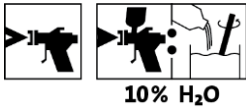


Approx. 2 hours

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.)	Compressed air cup gun
Spray nozzle (ø mm)	0.28	0.28	1.8
Spray nozzle (ø inch)	0.011	0.011	
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 ²)	125 – 150		
Yield per application (g/m ²)	200 - 250		
Yield per application (g/rm)	125 – 150		

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. 3 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.

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	Fine pored and coarsely porous hardwoods, softwood.
Substrate property	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.
Wood moisture	Dimensionally stable construction elements: 13 % +/- 2 %
COATING SYSTEM	
Impregnation	<p>Opaque: 1x Aquawood Primo A2 5452050000</p> <p>Transparent: 1 x Aquawood Primo A3 - A6 5453000310 ff</p> <p>Intermediate drying: 4 hours</p> <p>Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.</p>
Intermediate coat	<p>Opaque: Highly resinous softwood and hardwood with colouring substances: 1 x ADLER Acryl-Spritzfüller 41002 or 1 x ADLER Acryl-Spritzfüller SL 41029</p> <p>Transparent: Softwood: 1 x Aquawood Intermedio 53663 by flow coating</p> <p>Hardwood and Larch: 1 x Aquawood Intermedio ISO 53613 ff</p> <p>Intermediate drying: 4 hours</p> <p>Please observe the relative technical data sheets of the products.</p>
Intermediate sanding	<p>Grit size 220 – 280</p> <p>Remove sanding dust.</p>
	
Finishing coat	<p>Opaque: 1 x Aquawood Spritzlack XT 5020000010 ff</p> <p>Transparent: 1 x Aquawood DSL Q10 M 51751 ff</p> <p>Please observe the relative technical data sheets of the products.</p>
For front doors:	<p>Intermediate drying: approx. 15 hours (overnight)</p> <p>An additional application of Aquawood Protect 53215 is necessary (colourless two-component varnish).</p>

MAINTENANCE AND 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.

Cleaning with ADLER Top-Cleaner 51696. Maintenance with ADLER Top-Care 7227000210 in the package ADLER Windoor Care-Set 7229000300.

Please observe the relative technical data sheets of the products.

Please follow our **ARL 304 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and renovation.**

ORDERING INFORMATION

Size of trading unit

4 kg; 22 kg

Gloss level

G30	53215
G90	53216

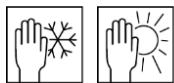
- Degree of gloss G30 and G90 can be obtained by blending.

Supplementary products

ADLER Aqua-PUR-Härter 82220
 ADLER Aqua-Cleaner 80080
 ADLER Top-Cleaner 51696
 ADLER Top-Care 7227000210
 ADLER Windoor Care-Set 7229000300
 Aquawood Primo A2 5452050000
 Aquawood Primo A3 - A6 5453000310 ff
 ADLER Acryl-Spritzfüller 41002
 ADLER Acryl-Spritzfüller SL 41029
 Aquawood Spritzlack XT 5020000010 ff
 Aquawood Intermedio 53663
 Aquawood Intermedio ISO 53613 ff
 Aquawood DSL Q10 M 51751 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 Protect (cat. A/d): 130 g/l (2010). Aquawood Protect contains max. 100 g/l VOC (Volatile Organic Compounds).
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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**.

The product is only suitable for the 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).