

Aquawood Covapro 20

5023

Water-based, matt, opaque finishing coat for **wooden windows and front doors** for **industrial and professional use**

It has been matched as a system with a **3-coat structure**

PRODUCT DESCRIPTION

General

Water-based, matt, opaque finishing coat with excellent weathering resistance and permanent elasticity. The product is characterized by a high level of block resistance, very good impact strength, quick resistance to water, short drying times and good feel of the surface. Good firmness on vertical surfaces combined with optimal flow. Particularly low number of micro-bubbles with airless spray application as a result of highly active de-foaming and de-aerating agents. The product is formulated without the addition of biocidal active agents to protect against blue stain and wood-destroying fungi.

Special properties and standards



- Proof of suitability according to **DIN EN 927-2 outdoor weathering**
- **DIN 53160-1 bzw. DIN 53160-2** Perspiration and saliva proof properties
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- Meets the criteria of **baubook "Ecological invitation to tender"**
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application area



- For dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows and front doors.
- For humid areas (e.g. indoor pools) only with a special coating system.
- For non-dimensionally stable timber components we recommend Pullex Color 4403 or Pullex Aqua-Color 5325.
- Please observe the relative technical data sheets of the products.

08-21 (supersedes 02-21) ZKL 5023

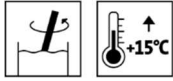
ADLER-Werk Lackfabrik, A-6130 Schwaz

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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.

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 %.
- Too high dry film thicknesses beyond around 120 µm reduce the diffusion capacity and should thus be avoided.
- Sealants must be compatible with the coat and may only be applied once the paint has dried through. Sealing profiles with plasticizers tend to stick together in combination with paints. Please only use those types that have been tested.
- When changing from Aquawood Covapro 20 5023 to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- 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.

Application technique



0-5% H₂O



10% H₂O

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle (ø mm)	0.28 or 0.33	0.28 or 0.33	1.8 – 2.0
Spray nozzle (ø inch)	0.011 or 0.013	0.011 or 0.013	-
Spraying angle (degrees)	20 – 40	20 – 40	-
Spraying pressure (bar)	80 – 100	80 – 100	3 – 4
Atomized air (bar)	-	0.5 – 1.5	-
Spraying distance (cm)	approx. 25		
Thinner	water		
Thinner-added in %	0 – 5	0 – 5	10
Wet film (µm)	150 – 300 depending on the intermediate coat		
Yield per application (g/m ²) ¹⁾	300 – 600 depending on the intermediate coat		
Dry film complete coating system (µm)	100 up to max. 120		
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 23 °C and 50 % rel. humidity)



Dust-dry (ISO 1517)	after approx. 1 hour
Tack-free	after approx. 3 hours
Stackable with PE fine foam spacers at room temperature:	after approx. 5 hours
Stackable with PE fine foam spacers after forced drying: 20 min flash-off zone 90 min drying stage (35– 40 °C) 20 min cooling phase	after approx. 130 min.

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 Aqua-Cleaner 80080 (diluted 1:1 with water).

SUBSTRATE

Type of substrate

Wood in accordance with the guidelines for window construction.

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

13 % +/- 2 %

COATING SYSTEM

General

The following coating systems are exemplary.

Impregnation

1 x Aquawood Primo A2 5452

Intermediate drying time: approx. 4 hours

Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.

Intermediate coat

1x Aquawood Intercare ISO 5503
or

1x Aquawood Intercare SQ 5522
or

1x Acryl-Fensterfüller HighRes 5501

Intermediate drying time: approx. 4 hours

Please observe the relative technical data sheets of the products.

Intermediate sanding



Grit size 220 – 280
Remove sanding dust.

Finishing coat

1 x Aquawood Covapro 20 5023

For front doors:

An additional application of Aquawood Protect 5128 is necessary (colourless two-component varnish).
Please observe the relative technical data sheets of the products.

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 Top-Cleaner 7208. Maintenance with Top-Care 7227 in the package Windoor Care-Set 7229.

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

5 kg, 10 kg, 20 kg, 60 kg, 60-kg

Colour shades / degrees of gloss

RAL 9010	5023009010
RAL 9016	5023009016



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

Base paints:

Base W10 5023000010
Base W30 5023000030

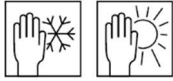
- In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface.
- It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.

Supplementary products

Aquawood Primo A2 5452
Aquawood Intercare ISO 5503
Aquawood Intercare SQ 5522
Acryl-Fensterfüller HighRes 5501
Aquawood Protect 5128
Aqua-Cleaner 80080
Windoor Care-Set 7229
Top-Cleaner 7208
Top-Care 7227
Pullex Color 4403
Pullex Aqua-Color 5325

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 Covapro 20 (cat. A/d):
 130 g/l (2010). Aquawood Covapro 20 contains a
 maximum of 50 g/l VOC.

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 breathing mask (combination filter A2/P2).
