Aquawood Covatop Metallic 20 5022

Water-based, pigmented **metallic paint** for **wooden windows and exterior doors**, for use in industry and trade.
Optimised for a **3-layer coating system**

PRODUCT DESCRIPTION

General

Water-based, pigmented metallic paint with outstanding weathering resistance and permanent elasticity. Stand-out features of this product include very good block resistance, very good impact strength and very good resistance to yellowing. Good non-sag properties on vertical surfaces and optimal flow.

Special properties and standards

- **Proof of suitability according to DIN EN 927-2**

- **French ordinance DEVL1104875A**
  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.

PROCESSING

Processing instructions

- 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 %.
- Contains metal pigments. The colour very much depends on the processing! Several thin spray applications result in much lighter and more brilliant coatings.
- Preferably spray the product on with a compressed air cup gun. Airless or Airmix spraying lead to a reduced brilliance of the metallic effect.
- Too high dry film thicknesses from approx. 120 µm reduce the diffusion capacity and should thus be avoided.

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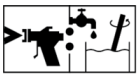
- Sealants must be compatible with the coat and may only be applied once the paint has dried through. Sealing profiles with plasticizers tend to stick together in combination with paints. Please only use those types that have been tested.
- When changing from Aquawood Covatop Metallic 20 (5022) to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.
- 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



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Applying device	-		Pressure cup gun
Spraying nozzle Ø (mm)	0,28		1,8 - 2
Spray nozzle (Ø inch)	0,011		-
Nozzle angle (°)	20 - 40		-
Spraying pressure (bar)	80 - 100		3 - 4
Vaporizer Air (bar)	-	0,5 - 1,5	-
Spraying distance (cm)	> 30		
Diluent	Water		
Diluent amount added (%)	0 - 5		20
Applied quantity per application (g/m²)	175 - 225		
Wet film (µm)	150 - 200		
Dry film complete coating system (µm)	100 - 120		

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. 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)	ca. 1 h
Tack-free	ca. 3 hour(s)
Stackable with PE fine foam spacers at room temperature	ca. 5 hour(s)
Stackable with PE fine foam spacers after forced drying 20 minutes evaporation zone / dripping zone 90 minutes drying stage (35 – 40 °C) 20 minutes cooling stage	ca. 130 minutes
Recoatable	ca. 12 h

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!

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (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: approx. 4 hour(s)

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

Please follow our **ARL 056 - Working guideline for the use of wood preservatives.**

Intermediate coat

1 x Aquawood Intercare ISO (5503)

or

1 x Aquawood Intercare SQ (5522)

or

1 x Aquawood Intercare ES (5501)

Intermediate drying time: approx. 4 hours

Intermediate sanding 	Grit size 220 – 280 Remove sanding dust.
Finishing coat	1 x Aquawood Covatop Metallic 20 (5022)
For front doors	An additional application of Aquawood Protect (5128) (colourless two-component varnish) is necessary.

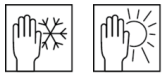
MAINTENANCE

Care	The durability depends on several factors: these include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour applied. To obtain long durability, regular inspection, maintenance and, if necessary, repair measures are necessary. Annual cleaning with Top-Cleaner (7208) and maintenance with Top-Care (7227) in the package with Windoor Care-Set (7229).
Maintenance	Please follow our **ARL 304 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and repair.**

ORDERING INFORMATION

Size of trading unit	2.5 kg; 20 kg
Colour shades / Glosslevels	**Standard colour(s):** ca. DB 703 (5022055306) ca. RAL9006 Weißaluminium (5022055307) ca. RAL9023 Perldunkelgrau (5022055308) ca. RAL9022 Perlhellgrau (5022055309) ca. RAL9007 Graualuminium (5022055310) The colours do not exactly match the RAL colour chart. In order to ensure uniformity of the colour shade, use only material with 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	Aqua-Cleaner 8029 (8029) Aquawood Intercare ES (5501) Aquawood Intercare ISO (5503) Aquawood Intercare SQ (5522) Aquawood Primo A2 (5452) Aquawood Protect (5128) Top-Care (7227) Top-Cleaner (7208) Windoor Care-Set (7229) Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage 	Min. 1 year(s) in the original sealed containers. Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C). Close opened containers well and use up the content as soon as possible.

Technical specifications	VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Aquawood Covatop Metallic 20 (Cat A/d): 130 g/l. Aquawood Covatop Metallic 20 contains a maximum of 50 g/l VOC.
Giscode	BSW30
DGNB (German Sustainable Building Council)	Quality level 4 (with factory coating)
Safety information 	The product is only suitable for the industrial and professional use. When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust. In case of hardwood (especially for Beech, Oak) a dust filter P3 is recommended. The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2). 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.**