

ADLER Acryl-Spritzlack Metallic

43495 ff

Water-based pigmented **metallic topcoat** for wooden windows and front doors for **industrial and professional use**

It has been matched as a system with a **4-coat structure** with Aquawood TIG HighRes Weiß and Aquawood Intermedio or ADLER Acryl-Spritzfüller and finishing with Aquawood Protect

PRODUCT DESCRIPTION

General

Water-based, pigmented metallic topcoat. Excellent weathering resistance, excellent permanent flexibility. High level of block resistance, very good impact strength. The product is characterised by its non-yellowing properties and good firmness on vertical surfaces combined with optimal flow.

Special properties and standards



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

Application areas



- Dimensionally stable timber components for exterior use such as wooden windows and front doors in the usage classes 2 and 3 without ground contact.
- For humid areas (e.g. indoor pools) only with a special structure.

PROCESSING

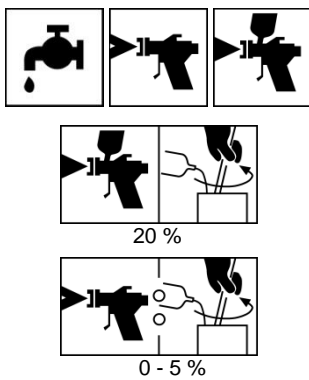
Instructions for use



- Please stir the product before use. However, prevent air from entering while stirring.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- The optimal processing conditions are between 15 – 25 °C with a relative humidity of 40 – 80 %.
- It is necessary to apply a finish with the colourless Aquawood Protect finishing coat!
- Contains metal pigments. The colour very much depends on the processing! Several thin spray applications result in much lighter and more brilliant coatings.
- 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.
- Weather strips containing softening agents or plasticizers tend to adhere in combination with paints. Please only use those types that have been tested.
- When changing from ADLER Acryl-Spritzlack Metallic 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 **“Working guideline for coating dimensionally stable and limited dimensionally stable construction elements – General part”** along with standards and guidelines for window construction.

Application technique



Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Compressed air cup gun
Spraying nozzle (ø mm)	0.28	0.28	1.8 – 2.0
Spraying nozzle (ø inch)	0.011	0.011	-
Spraying angle (degrees)	20 – 40	20 – 40	-
Spraying pressure (bar)	80 – 100	80 – 100	3 - 4
Atomising air (bar)	-	0.5 – 1.5	-
Spraying distance (cm)	more than 30		
Thinner	water		
Thinner amount added in %	0 – 5	0 – 5	20
Application quantity (g/m ²)	150 – 200		
Yield per application (g/m ²) ¹⁾	300		
Yield per application (g/m) ¹⁾	150 – 180		
Wet film (µm)	150 – 200		
Dry film (µm)	100 to max. 120		
¹⁾ Yield including addition of thinner and loss while spraying			

Preferably spray the product on with a compressed air cup gun. Airless or Airmix spraying lead to a reduced brilliance of the metallic effect.

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. 30 min.
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 phase (35 – 40°C) 20 min. cooling down phase	after approx. 130 min.
Recoatable	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 95125.

SUBSTRATE

Type of substrate

Wood in accordance with the guidelines for window construction.

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.

Wood moisture

Dimensionally stable components: 13 % +/- 2 %

COATING SYSTEM

Primer coat

1 x Aquawood TIG HighRes Weiß 543700101

Intermediate drying time: approx. 4 hours

Please observe the respective technical data sheets of the products.

Intermediate coat

Low resin softwood and hardwood:

1 x Aquawood Intermedio 53663 by flow coating or

1 x Aquawood Intermedio ISO 53613

Intermediate drying: approx. 2 hours

Highly resinous softwood and hardwood with staining substances:

1 x ADLER Acryl-Spritzfüller 41002

Wet film thickness 150 - 200 µm

Intermediate drying: approx. 4 hours

Please observe the respective technical data sheets of the products.

Intermediate sanding

Grit size 220 – 280

Remove sanding dust.

Topcoat

1 x ADLER Acryl-Spritzlack Metallic 43495 ff

Intermediate drying: at least 12 hours

Finishing coat

1 x Aquawood Protect 53215

Wet film thickness 75 - 100 µm

Please observe the respective 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.

Windows: Cleaning with ADLER Top-Cleaner 51696 is sufficient (for severe dirt). Maintenance with ADLER Top-Finish should not be carried out due to the risk of streaking.

Front doors: Cleaning with ADLER Top-Cleaner 51696. Preservation using ADLER Door-Finish 51700 in the ADLER Haustürenpflegeset (front door preservative kit) 51709.

Please observe the respective technical data sheets of the products.

Please follow our **“Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - front doors and window shutters – garage doors, maintenance and renovation”**.

ORDERING INFORMATION**Size of trading unit**

2.5 kg; 20 kg

Colour / degree of gloss

approx. RAL 9006	43495
approx. RAL 9007	43519
approx. DB 703	43541
approx. RAL 9022	43602
approx. RAL 9023	43556

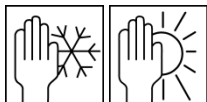
- The colours do not exactly match the RAL colour fan.

Supplementary products

Aquawood TIG HighRes Weiß 543700101
 Aquawood Intermedio 53663
 Aquawood Intermedio ISO 53613
 Aquawood Protect 53215
 ADLER Acryl-Spritzfüller 41002
 ADLER Aqua-Cleaner 80080
 ADLER Abbeizer Rote Krähe 95125
 ADLER Top-Cleaner 51696
 ADLER Door-Finish 51700
 ADLER Haustürenpflegeset 51709

FURTHER DETAILS

Durability / storage



At least 3 months 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 ADLER Acryl-Spritzlack Metallic (cat. A/d): 130 g/l (2010). Acryl-Spritzlack Metallic contains a maximum of 70 g/l VOC.

Safety 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 professional use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2 – EN 141/EN 143).
