

ADLER Acryl-Spritzlack HS SG

43661

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

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

PRODUCT DESCRIPTION

General

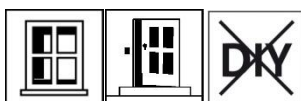
Water-based opaque pigmented topcoat. Excellent weathering resistance, excellent permanent flexibility. High level of block resistance, very good impact strength, fast resistance to water and short drying times as well as an improved mechanical resistance. Natural appearance and good feel of the surface. Good firmness on vertical surfaces combined with optimal flow, very good filling power. Particularly suitable for processing on spraying systems equipped with mechanical paint recovery systems and for finger-jointed wooden scantlings.

Special properties and standards



- Proof of suitability according to **DIN EN 927-2 outdoor weathering**
- **ÖNORM S 1555** or **DIN 53160** Perspiration and saliva-proof properties
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

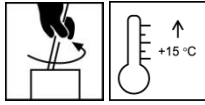
Application areas



- Maßhaltige Holzbauteile im Außenbereich wie Holzfenster, Haustüren oder Garagentore in den Gebrauchsklassen 2 und 3 ohne Erdkontakt. Für Feuchträume (z. B. Hallenbäder) nur mit Spezialaufbau.
- For humid areas (e.g. indoor pools) only with a special structure.
- For non-dimensionally stable timber components we recommend Pullex Color 50530 or Pullex Aqua-Color 53331.
- Please observe the relative technical data sheets of the products.

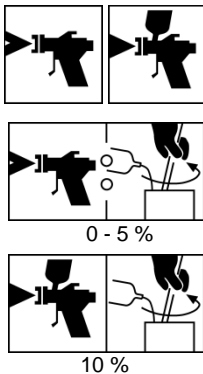
PROCESSING

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 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. Weather strips containing plasticizers tend to adhere in combination with paints. Please only use those types that have been tested.
- When changing from ADLER Acryl-Spritzlack HS SG 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**" along with all standards and guidelines for window construction.

Application technique



Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spraying nozzle (ø mm)	0.28 or 0.33	0.28 or 0.33	1.8 – 2.0
Spraying nozzle (ø inch)	0.011 or 0.013	0.011 or 0.013	-
Spraying angel (degrees)	20 – 40	20 – 40	-
Spraying pressure (bar)	80 – 100	80 – 100	3 - 4
Atomising air (bar)	-	0,5 – 1,5	-
Spraying distance (cm)	approx. 25		
Dilution (thinning)	water		
Thinner amount added in %	0 – 5	0 – 5	10
Application quantity (g/m ²)	150 – 300 depending on the intermediate coat		
Yield per application (g/m ²) ¹⁾	600 or 300		
Yield per application (g/m) ¹⁾	300 – 360 or 150 – 180		
Wet film (µm)	150 – 300 depending on the intermediate coat		
Dry film	100 up to max. 120		

(μm)	
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 phase (35 – 40°C) 20 min. cooling phase	after approx. 130 min.
Recoatible	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

General

The following coating systems are exemplary. To find more coating systems please follow our

- “Working guideline for coating dimensionally stable and limited dimensionally stable construction elements Windows –Front doors and Shutters – Garage doors - Coating system - Classic”
- “Working guideline for coating dimensionally stable and limited dimensionally stable construction elements Windows – House doors respectively shutters – Garage doors - Coating cycles – Performance”
- “Working guideline for coating dimensionally stable and limited dimensionally stable construction elements Windows– House doors resp. Shutters – Garage doors - Coating cycles - HighRes®”.

Impregnation	1 x Aquawood TIG HighRes Weiß 543700101 Intermediate drying: 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	1 x ADLER Acryl-Spritzfüller 41002 or ADLER Acryl-Spritzfüller SL 41029, ADLER Acryl-Fensterfüller HighRes 5501050000 or Aquawood Intermedio ISO 53730 Intermediate drying: approx. 4 hours Please observe the relative technical data sheets of the products.
Intermediate sanding	Grit size 220 – 280 Remove sanding dust.
	
Final coat	1 x ADLER Acryl-Spritzlack HS SG 43661 undiluted
Front doors:	An additional application of Aquawood Protect 53215 is necessary (colourless two-component varnish). Please observe the relative technical data sheets of the products.

MAINTENANCE AND RENOVATION

Maintenance

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).

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 relative technical data sheets of the products.

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

ORDERING INFORMATION

Size of trading unit	90 kg
Colour / degree of gloss	RAL 9016 43661

Supplementary products

Aquawood TIG HighRes Weiß 543700101
Aquawood Intermedio ISO 53730
Aquawood Protect 53215
ADLER Acryl-Spritzfüller 41002
ADLER Acryl-Spritzfüller SL 41029
ADLER Aqua-Cleaner 80080
ADLER Abbeizer Rote Krähe 95125
ADLER Top-Cleaner 51696
ADLER Door-Finish 51700
ADLER Haustürenpflegeset 51709
Pullex Color 50530
Pullex Aqua-Color 53331

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 ADLER Acryl-Spritzlack HS SG
(cat. A/d): 130 g/l (2010). ADLER Acryl-Spritzlack
HS SG contains a maximum of 40 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 industrial and professional use.

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