

## ADLER Acryl-Spritzlack RS

43652 ff

Water-based, matt, opaque finishing coat for **wooden windows and front doors** for **industrial and professional use** with paint recovery systems  
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, natural appearance and good feel of the surface as well as good mechanical resistance. Good firmness on vertical surfaces combined with optimal flow.

#### Special properties and standards



- Particularly suitable for processing on spraying systems equipped with mechanical paint recovery systems.
- 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



- 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 50530 or Pullex Aqua-Color 53331.
- Please observe the relative technical data sheets of the products.

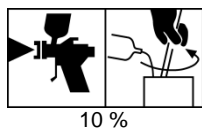
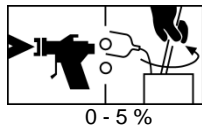
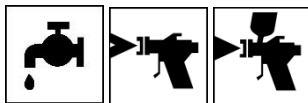
## PROCESSING

### 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 RS 43652 ff 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

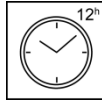


Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spraying nozzle (ø mm)	0.28 or 0.33	0.28 or 0.33	1.8 – 2.0
Spraying nozzle (ø inch)	0.011 or 0.013	0.011 or 0.013	-
Spraying angel (degrees)	20 – 40	20 – 40	-
Spraying pressure (bar)	80 – 100	80 – 100	3 - 4
Atomising air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

**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**

13 % +/- 2 %

**COATING SYSTEM****General**

The following coating systems are exemplary.

**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.

<b>Final coat</b>	1x ADLER Acryl-Spritzlack RS 43652 ff
<b>For front doors:</b>	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

<b>Maintenance and renovation</b>	<p>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.</p> <p><b>Windows:</b> Cleaning with ADLER Top-Cleaner 51696 is sufficient (for severe dirt).</p> <p><b>Front doors:</b> Cleaning with ADLER Top-Cleaner 51696. Preservation using ADLER Door-Finish 51700 in the ADLER Haustürenpflegeset (front door preservative kit) 51709.</p> <p>Please observe the relative technical data sheets of the products.</p> <p>Please follow our <b>“Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and renovation”</b>.</p>
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## ORDERING INFORMATION

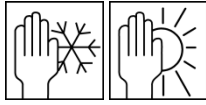
<b>Size of trading unit</b>	25 kg, 120-kg-poly drum	
<b>Color shades/degree of gloss</b>	RAL 9016 RAL 9010	43652 5014009010
	<ul style="list-style-type: none"> <li>• In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface.</li> <li>• It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.</li> </ul>	

<b>Supplementary products</b>	Aquawood TIG HighRes Weiß 543700101 Aquawood Intermedio ISO 53730 Aquawood Protect 53215 ADLER Acryl-Spritzfüller 41002 ADLER Acryl-Spritzfüller SL 41029 ADLER Acryl-Fensterfüller HighRes 5501050000 ADLER Aqua-Cleaner 80080 ADLER Top-Cleaner 51696 ADLER Door-Finish 51700 ADLER Haustürenpflegeset 51709 Pullex Color 50530 Pullex Aqua-Color 53331
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**FURTHER DETAILS**


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**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).

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**Technical specifications**

VOC content      EU threshold for ADLER Acryl-Spritzlack RS (Cat. A/d): 130 g/l (2010). ADLER Acryl-Spritzlack RS contains a maximum of 40 g/l VOC.

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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](http://www.adler-lacke.com)**.

The product is only suitable for 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 – EN 141/EN 143).

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