

Technical data sheet

ADLER Acryl-Spritzlack Q10 M

43260

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

It has been matched as a system with a **3-coat structure** with **Aquawood TIG High Res Weiß** and **Aquawood Intermedio** or **ADLER Acryl-Spritzfüller**

PRODUCT DESCRIPTION

General

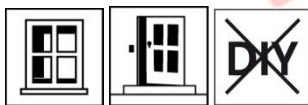
Water-based opaque pigmented topcoat. Excellent weathering resistance, excellent permanent flexibility. The product is characterized by a high level of block resistance, very good impact strength, quick resistance to water, short drying times, improved mechanical and chemical resistance, natural appearance 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.

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)
- 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 areas



- Dimensionally stable timber components for exterior such as wooden windows, front doors or garage gates in the usage class 2 and 3 without soil contact.
- 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.

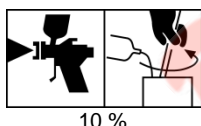
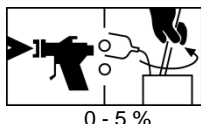
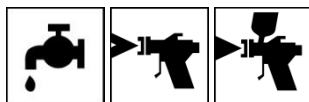
PROCESSING

Instructions for use



- Please stir the product before use. However, prevent 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. 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 Q10 M 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
Atomized 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 - 300		
Yield per application (g/m ²) ¹⁾	300 – 360 or 150 – 180		
Wet film (µm)	150 – 300 depending on the intermediate coat		

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

Primer coat

1 x Aquawood TIG HighRes Weiß 543700101

Please observe the relative technical data sheets of the products.

Intermediate coat

Low resin softwood and hardwood:

1 x Aquawood Intermedio 53663 by flow coating
 Intermediate drying: approx. 2 hours

Highly resinous softwood and hardwood with staining substances:

1 x ADLER Acryl-Spritzfüller 41002
 Intermediate drying: approx. 4 hours

Please observe the relative technical data sheets of the products.

Intermediate sanding



Grit size 220 – 280
Remove sanding dust.

Topcoat

1 x ADLER Acryl-Spritzlack Q10 M 43260 undiluted

Final coat

For front doors we recommend an additionally coat with the colourless topcoat Aquawood Protect 53215.

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.

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 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

5 kg; 25 kg; 120 kg poly drum

Color shades/degree of gloss

RAL 9010	43249
RAL 9016	43248
RAL 9001	43250
RAL 7035	43252
RAL 6005	43253
RAL 6009	43254
RAL 1013	43251



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

Base paints:

Base W10 43261
Base W30 43260

Glossy surfaces can be realized with ADLER Acryl-Spritzlack Q10 G.

Base paints:

43271 and 43270

Please observe the relative technical data sheets of the products.

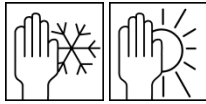
Supplementary products

Aquawood TIG HighRes Weiß 543700101
Aquawood Intermedio 53663
Aquawood Protect 53215
ADLER Acryl-Spritzlack Q10 G 43271, 43270
ADLER Acryl-Spritzfüller 41002
ADLER Aqua-Cleaner 80080

ADLER Abbeizer Rote Krähe 95125
ADLER Top-Cleaner 51696
ADLER Door-Finish 51700
ADLER Haustürenpflegeset 51709
Pullex Color 50530

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 Q10 M (cat A/d): 130 g/l (2010). ADLER Acryl-Spritzlack Q10 M contains maximum 40 gm./l VOC (Volatile Organic Compounds).

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.

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).
