Pache SARL - 64 Route de Gravin, 74300 Magland
04 50 89 57 17 contact@pache-adler.fr
www.pache-adler.fr

Technical data sheet

ADLER
Paint runs through our veins.

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**

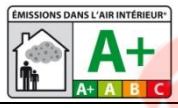
PRODUCT DESCRIPTION

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.

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Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user takes responsibility for the suitability and use of the delivered product. It is therefore recommended to produce a sample specimen for testing the suitability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for the modification of the container sizes, colour shades and degrees of gloss available.

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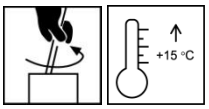
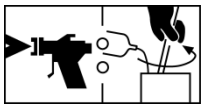
PROCESSING

Instructions for use

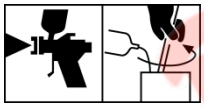


- Please stir the product before use. However, prevent entry of air while stirring.
- The temperature of the product and object, and the room temperature must be at least + 15 C.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.
- Too high 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



0 - 5 %



10 %

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/m²)	150 – 300 depending on the intermediate coat		
Yield per application (g/m)[2)1)]	600 - 300		
Yield per application (g/rm)[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

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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.
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

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.

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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"**.

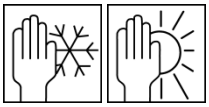
ORDERING INFORMATION

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
ADLER MIX	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).

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