

ADLER Acryl-Spritzfüller HighRes (Acrylic spray filler HighRes)

41028

Water-based insulating spray filler for industrial and professional use

PRODUCT DESCRIPTION

General

Water-based, fast-drying spray filler with excellent permanent elasticity, good filling power, very good flowing, good grindability and a good insulating effect from wood extractives. It is particularly environment-friendly on account of its low content of organic solvents.

Special properties and standards



- The product contains special marking agents; as a result, correct application can be verified subsequently.
- **French Ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

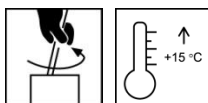
Application area



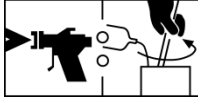
- Dimensionally stable wooden components such as wooden windows, front doors or garage gates made primarily of softwood

PROCESSING

Instructions for use



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +15 °C.
- Optimal temperature while dip-coating or flow-coating is between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.
- Insulating effect by principle of „stainlocking (SL)“. The filler layer changes color by wood extractives, but a passing on to the top coat is prevented.
- Too thin film layers (due to a poor product application and heavy grinding) will reduce the insulation effect.
- Please follow our "**Working guidelines (ARL) for dimensionally stable and limited dimensionally stable components**" along with all standards and guidelines for window construction.

Application technique

Application method	Airless	Airless pressurized (Airmix, Aircoat, etc.)
Spray nozzle (ø mm)	0.28 or 0.33	0.28 or 0.33
Spray nozzle (ø inch)	0.011 or 0.013	0.011 or 0.013
Spray angle (Degrees)	20 – 40	20 – 40
Spraying pressure (bar)	80 – 100	80 – 100
Spraying air (bar)	-	0.5 – 1.5
Fine strainer	100 mesh, approx. 150 µm ²⁾	
Spraying distance (cm)	Approx. 25	
Dilution (thinning)	Water	
Yield per application (g/m ²) ¹⁾	300 – 350	
Yield per application (g/m) ¹⁾	150 – 200	
Wet film (µm)	150 – 200	
¹⁾ Yield including addition of thinner and loss while spraying		
²⁾ Finer strainers are inadequate.		

The product is readymade for spraying.

The shape and properties of the substrate and wood moisture 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)



Recoatable at room temperature:	After approx. 4 hours
Recoatable after forced drying: 20 min dripping 50 min drying stage (max. 35 °C) 20 min cooling stage	After 90 min

The figures indicated serve as a guide and are for reference. The drying time depends on the type of wood, coat thickness, temperature, air exchange and relative atmospheric humidity.



Avoid direct sunlight (very quick drying).

High atmospheric humidity and / or low temperatures delay the drying process.

Cleaning the working equipment

With water immediately after use.

Remove flashed-off coat residues using ADLER Aqua-Cleaner 80080 or ADLER Abbeizer Rote Krähe 95125.

SUBSTRATE	
Type of substrate	Softwoods and hardwoods in accordance with the guidelines for window construction
Substrate property (or condition)	The substrate must be dry, clean and capable of holding the paint and it must be free of grease and wax and free from wood dust.
Wood moisture	Dimensionally stable components: 13 % +/- 2 %
COATING SYSTEM	
Primer coat	1 x Aquawood TIG HighRes White 57520 4 hours of drying Please follow the respective technical data sheets of the products.
Intermediate sanding 	Sand the surface with grain size of 280 after a drying time of about 4 hours.
Intermediate coat	1 x ADLER Acryl-Spritzfüller HighRes 41028 Wet film thickness 150 – 200 µm
Intermediate sanding 	If required, sand the surface with grain size of 280 after a drying time of about 4 hours. Too heavy intermediate sanding will reduce the insulation effect and should be avoided!
Topcoat	1 x ADLER Acryl-Spritzlack Q10 M 4320 or 1 x ADLER Acryl-Spritzlack Q10 G 4325 Please follow the respective technical data sheets of the products.
MAINTENANCE & RENOVATION	
Maintenance	<p>The storage stability depends on several factors. These include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour shades applied. Preservation work must be carried out in time for a long period of storage stability. Annual maintenance is recommended for this purpose.</p> <p>Windows: Cleaning with the help of ADLER Top-Cleaner 51696 is adequate (in case of severe dirt and contamination) Preservation with ADLER Top-Finish should not be carried out on account of the risk of streaking.</p> <p>Front doors: Cleaning with ADLER Top-Cleaner 51696 and preservation using ADLER Door-Finish 51700 in the ADLER Haustürenpflegeset (front door preservative kit) 51709.</p> <p>Please follow the respective technical data sheets of the products.</p>

Renovation

Refurbishment with ADLER Aqua-Isoprimmer PRO 41005 and ADLER Varicolor 41201 ff or, in case of greyed wood, with Pullex Renovier-Grund 50236 ff and ADLER Samtalkyd 52351 ff or Pullex Color 50530 ff.

Please follow the respective technical data sheets of the products.

ORDERING INFORMATION**Size of trading unit**

5 kg, 25 kg and 150 kg

Colour shades / Degree of gloss

White 41028

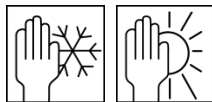
Other colour shades can be obtained using the **ADLER colour blending system ADLERMix** by mixing.

Base paint:

Base W30 41030

Supplementary products

Aquawood TIG HighRes Weiß 57520
 ADLER Acryl-Spritzlack Q10 M 4320
 ADLER Acryl-Spritzlack Q10 G 4325
 ADLER Aqua-Cleaner 80080
 ADLER Abbeizer Rote Krähe 95125
 ADLER Top-Cleaner 51696
 ADLER Door-Finish 51700
 ADLER Haustürenpflegeset 51709
 ADLER Aqua-Isoprimmer PRO 41005
 ADLER Varicolor 41201 ff
 ADLER Samtalkyd 52351 ff
 Pullex Color 50530 ff
 Pullex Renovier-Grund 50236 ff

FURTHER DETAILS**Durability / Storage**

At least 1 year in the original sealed containers.

Store it such that it is protected against moisture, direct sunlight, frost and high temperatures (over 30°C).

Technical specifications

VOC content

EU limit value for ADLER Acryl-Spritzfüller HighRes (Cat. A/d): 130 g/l (2010). ADLER Acryl-Spritzfüller HighRes contains maximum 50 g/l VOC (Volatile Organic Compounds).

Safety-relevant information

Please take note of and follow the guidelines for the use of wood preservatives and the associated safety data sheet! The latest version can be retrieved from the Internet at **www.adler-lacke.com**.