

ADLER Acryl-Fensterfüller HighRes

5501

Water-based insulating spray filler for industrial and professional use

PRODUCT DESCRIPTION

General

Water-based, fast-drying spray filler. Good filling power, very good flowing, good grindability, excellent yield and good insulating effect from wood extractives. It is particularly environment-friendly due to 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+

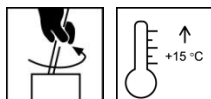
Application area



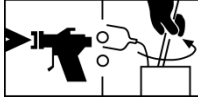
- Dimensionally stable timber components for exterior such as wooden windows and front doors in the usage class 2 and 3 without soil contact.
- Especially suitable for softwood.

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.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.
- Minor application quantity, too heavy intermediate sanding and/or higher dilution will reduce the isolation effect.
- 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 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⁾	400 – 450	
Yield per application (g/m) ¹⁾	200 – 250	
Wet film (µm)	200 – 250	
¹⁾ Yield including addition of thinner and loss while spraying		
²⁾ Finer strainers are inadequate.		

The product is ready to use.

The shape, the properties and wood 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)



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

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).

Lower temperatures and / or high level of atmospheric humidity can increase the drying time considerably.

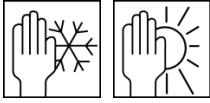
Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 or ADLER Abbeizer Rote Krähe (Red Crow).

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 or 1 x Aquawood TIG Weiß 51098 Intermediate drying: approx. 4 hours Please observe the relative technical data sheets of the products.
Intermediate sanding	Grain size 280
	
Intermediate coat	1 x ADLER Acryl-Fensterfüller HighRes 5501050000 Wet film thickness 150 – 200 µm Intermediate drying: approx. 4 hours
Intermediate sanding	Grain size 280 Too heavy intermediate sanding will reduce the isolation effect and must be avoided!
	
Topcoat	1 x ADLER Acryl-Spritzlack Q10 M 4320 or 1 x ADLER Acryl-Spritzlack Q10 G 4325 Please observe the relative technical data sheets of the products.
ORDERING INFORMATION	
Size of trading unit	5 kg, 25 kg, 120 kg
Colour shades / degree of gloss	Weiß 5501050000 Other colour shades can be obtained using the ADLER colour blending system ADLERMix:
	Base paint: Base W30 41031
Supplementary products	ADLER Acryl-Spritzlack Q10 M 4320 ADLER Acryl-Spritzlack Q10 G 4325 ADLER Aqua-Cleaner 80080 ADLER Abbeizer Rote Krähe 95125

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 limit value for ADLER Acryl-Fensterfüller HighRes (Cat. A/d): 130 g/l (2010). ADLER Acryl-Fensterfüller HighRes contains maximum 90 g/l VOC (Volatile Organic Compounds).

Safety-relevant information

Please follow the associated safety data sheet, the latest version can be retrieved from the Internet at www.adler-lacke.com.

The product is only suitable for the industrial and professional use
