

Aquawood Isogrip HighRes

57990

Water-based **two-component intermediate coat** for **wooden windows and front doors** for **industrial and professional use**

It has been matched as a system with a **3-coat structure**

PRODUCT DESCRIPTION

General

Water-based, colourless two-component intermediate coat. Good filling power and good grindability. Good insulating effect against discolouring wood extractives. The product is characterised by outstandingly high wet adhesion, which also greatly improves the resistance to weathering. Prevents grinding through of coloured immersion impregnations.

Special properties and standards



- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application areas



- For dimensionally stable and limited dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows, front doors, window shutters, gates, winter garden, etc.
- Particularly suitable for spruce timber.

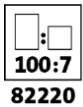
PROCESSING

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 %.
- The product is not weather-resistant without a topcoat!
- Too little quantity applied, too heavy intermediate sanding and/or increased thinning will reduce the insulation effect!
- Please follow our **ARL 300 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - General part** along with all standards and guidelines for window construction.

Blending ratio



100 parts by weight Aquawood Isogrip HighRes 57990
 7 parts by weight of ADLER Aqua-PUR-Härter 82220

Aquawood Isogrip HighRes can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

ADLER Aqua-PUR-Härter 82220 must be carefully worked into the paint components by stirring before processing.

After addition of hardener, a waiting time of approx. 10 min is recommended for improved degassing.

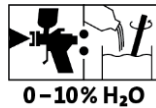
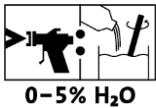
Pot life

Approx. 1 – 2 hours

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique



Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spraying nozzle (ø mm)	0.28	0.28	1.8
Spray nozzle (ø inch)	0.011	0.011	
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		
Thinner	water		
Thinner amount added in %	0 - 5	0 - 5	10
Application quantity (g/m ²)	125 – 150		
Yield per application (g/m ²) ¹⁾	200 – 250		
Yield per application (g/rm) ¹⁾	125 – 150		
Wet film (µm)	125 – 150		
Dry film (µm)	30 - 40		
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. 30 minutes
Tack-free	after approx. 3 hours
Recoatable	after approx. 4 hours
Recoatable after forced drying: 20 min flash-off zone 50 min drying stage (35– 40 °C) 20 min cooling stage	after approx. 90 minutes
Dried through	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. Prior to recoating a drying time of 24 hours must not be exceeded.

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

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

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 construction elements: 13 % +/- 2 %

COATING SYSTEM

Impregnation

1 x Aquawood Primo A3 - A6 5453000310 ff

Intermediate drying: approx. 4 hours

or

1 x Aquawood Primo A2 5452050000

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

1x Aquawood Isogrip HighRes 57990

Intermediate drying: approx. 4 hours

Intermediate sanding



Slight smooth sanding with grit size 280

Remove sanding dust.

Finishing coat**Transparent:**

1 x Aquawood DSL Q10 M 51751 ff undiluted

Opaque:

1 x Aquawood Spritzlack XT 5020000010 ff

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION**Size of trading unit**

4 kg; 22 kg

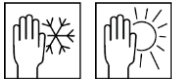
Colour shades / degrees of gloss

Farblos 57990

- The final colour is basically obtained from the inherent colour of the wood, the applied quantity, the colour of the impregnation and the colour of the finishing coat.
- 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.
- In order to lay particular emphasis on the wood structure, the colour shade of Aquawood Primo A3-A6 selected should be darker than the one of Aquawood DSL.

Supplementary products

Aquawood Primo A3 - A6 5453000310 ff
 Aquawood Primo A2 5452050000
 Aquawood Spritzlack XT 5020000010 ff
 Aquawood DSL Q10 M 51751 ff
 ADLER Aqua-Cleaner 80080

OTHER INSTRUCTIONS**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 Aquawood Isogrip HighRes
 (cat. A/e): 130 g/l (2010). Aquawood Isogrip
 HighRes contains a maximum of 100 g/l VOC.

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).