

Aquawood Intermedio Isogrip

5714

2C intermediate coat for transparent **wooden windows and exterior doors**, for use in industry and trade

Optimised for a **3 or 4-layer coating system**

PRODUCT DESCRIPTION

General

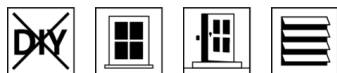
Water-based, colourless 2C intermediate coat. Stand-out features of this product include good filling performance, good sandability, insulation of discolouring substances in the wood and outstandingly good wet adhesion, which also greatly improves its weathering resistance. Prevents coloured dip impregnation products from being removed by sanding.

Special properties and standards



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

Application area



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.

Particularly suitable for coating window shutters.

PROCESSING

Processing instructions



- 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 %.
- 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!
- Do not close containers with hardened material.
- When changing from Aquawood Intermedio Isogrip (5714) to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result.

- 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



8450 7%

100 Part(s) by weight Aquawood Intermedio Isogrip (5714)
7 Part(s) by weight Aqua-Hardener 8450 (8450000210)

Aquawood Intermedio Isogrip (5714) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Aqua-Hardener 8450 (8450000210) must be carefully worked into the product by stirring before processing.

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

Pot life

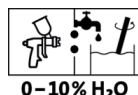
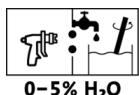


1 hour(s)

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,28		1,8
Spray nozzle (Ø inch)	0,011		-
Nozzle angle (°)	20 - 40		-
Spraying pressure (bar)	80 - 100		3 - 4
Vaporizer Air (bar)	-	0,5 - 1,5	-
Spraying distance (cm)	25		
Diluent	Water		
Diluent amount added (%)	0 - 5		10
Applied quantity per application (g/m²)	125 - 150		
Wet film (µm)	125 - 150		

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)



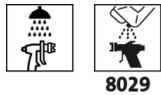
Dust-dry (ISO 1517)	approx. 30 minute
tack-free	approx. 3 hour(s)
Recoatible	approx. 4 h
Stackable with PE fine foam space holders after accelerated drying 20 minutes evaporation/drip-off zone 90 minutes drying phase (35 – 40 °C) 20 minutes cooling phase	approx. 90 minutes
Thoroughly dried	approx. 12 hour(s)

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.

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

Avoid direct sunlight!

Cleaning the working equipment



8029

With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (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

13 % ± 2 %

COATING SYSTEM

General

The following coating systems are exemplary.

Impregnation

Transparent:

1 x Aquawood Primo (5453)

Opaque:

1 x Aquawood Primo A2 (5452)

Intermediate drying time: approx. 4 hours

Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.

Please follow our **ARL 056 - Working guideline for the use of wood preservatives**.

Intermediate coat

Transparent:

Softwoods:

1 x Aquawood Intermedio Isogrip (5714)

Hardwoods and Larch:

2 x Aquawood Intermedio Isogrip (5714)

Opaque:

1 x Aquawood Intermedio Isogrip (5714)

Intermediate drying time: approx. 4 hour(s)

Intermediate sanding



Grit size 220 – 280

Remove sanding dust.

Finishing coat

Transparent:

1 x Aquawood Finatop 40 (5140)

or

1 x Aquawood Finapro 20 (5101)

Opaque:

1 x Aquawood Covatop XT 20 (5020)

For front doors

An additional application of Aquawood Protect (5128) (colourless two-component varnish) is necessary.

ORDERING INFORMATION

Size of trading unit

4 kg, 22 kg

Colour shades / Glosslevels

Standard colour(s):
Farblos (5714000200)

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.

Supplementary products

Aqua-Cleaner 8029 (8029)
Aqua-Hardener 8450 (8450)
Aquawood Covatop XT 20 (5020)
Aquawood Finapro 20 (5101)
Aquawood Finatop 40 (5140)
Aquawood Primo (5453)
Aquawood Primo A2 (5452)
Aquawood Protect (5128)

Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage



Min. 1 year(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Close opened containers well and use up the content as soon as possible.

Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Aquawood Intermedio Isogrip (Cat A/e): 130 g/l.
Aquawood Intermedio Isogrip contains a maximum of 90 g/l VOC.

Giscode

BSW30

DGNB (German Sustainable Building Council)

Quality level 4 (with factory coating)

Safety information



The product is only suitable for the industrial and professional use.

When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust. In case of hardwood (especially for Beech, Oak) a dust filter P3 is recommended.

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

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.