

Aquawood Finapro Carat

5108

Water-based **metallic wood glaze** for **wooden windows** and **exterior doors**, for use in industry and trade

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

PRODUCT DESCRIPTION

General

Water-based, breathable thick-coat glaze with very good weathering resistance which allows you to create spectacular, metallic shimmering colour effects due to its special pigmentation. Stand-out features of this product include very good block resistance, very good impact strength, rapid establishment of water resistance and short drying times.

Special properties and standards



- **Proof of suitability according to DIN EN 927-2**



- **ÖNORM EN 71-3**
Safety of toys; migration of certain elements (free of heavy metals)



- **DIN 53160-1 and DIN 53160-2**
Perspiration and saliva-proof properties



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

Application area



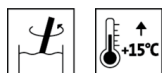
For dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows and front doors.

For humid rooms (e.g. indoor swimming pools) only with a special build-up.

For non-dimensionally stable timber components we recommend thin-film systems such as Lignovit Platin (5318) or Pullex Platin (4447).

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 %.

5-0 IMC 5108 | 06/26 | replaces 4-0

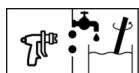
ADLER-Werk Lackfabrik, A-6130 Schwaz

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Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

- Too high dry film thicknesses from approx. 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. Sealing profiles with plasticizers tend to stick together in combination with paints. Please only use those types that have been tested.
- We do not recommend applying two layers of Aquawood Finapro Carat (5108) with intermediate sanding, because due to the content of a matting wax, a polishing effect and therefore a poor intermediate adhesion is possible.
- An intermediate coating with Aquawood Intermedio ISO (5705) is recommended to prevent air inclusions in deep-pored hardwood species and to avoid film interference on larch.
- When changing from Aquawood Finapro Carat (5108) 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. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.
- 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.

Application technique


0–5% H₂O

225 –
300 g
↓
1m²

	Airless	Airless air-supported (Airmix®, Aircoat, etc.)
Spraying nozzle Ø (mm)	0,28 – 0,33	
Spray nozzle (Ø inch)	0,011 – 0,013	
Nozzle angle (°)	20 – 40	
Spraying pressure (bar)	80 – 100	
Vaporizer Air (bar)	-	0,5 – 1,5
Spraying distance (cm)	25	
Diluent	Water	
Diluent amount added (%)	0 – 5	
Applied quantity per application (g/m ²)	225 – 300	
Wet film (µm)	225 – 300	
Dry film complete coating system (µm)	80 – 120	

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)



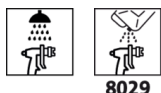
Dust-dry (ISO 1517)	ca. 1 hour(s)
Tack-free	ca. 2 hour(s)
Stackable with PE fine foam spacers at room temperature	ca. 5 hour(s)
Stackable with PE fine foam spacers after forced drying 20 minutes evaporation zone / dripping zone 90 minutes drying stage (35 – 40 °C) 20 minutes cooling stage	ca. 130 minutes
Recoatable	ca. 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



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

1 x Aquawood Primo (5453)

Intermediate drying: approx. 4 hour(s)

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

Softwoods:

1 x Aquawood Intermedio DQ (5706)

Hardwoods and Larch:

1 x Aquawood Intermedio ISO (5705)

Intermediate drying: approx. 2 hour(s)

Intermediate sanding



Grit size 220 – 240

Remove sanding dust.

Finishing coat

1 x Aquawood Finapro Carat (5108)

For front doors

To achieve optimal chemical and mechanical resistance, an additional application of Aquawood Protect (5128) (colourless two-component clear coating) is recommended, or alternatively the use of the Aquawood Protor or Aquawood Dura system. Deviations from this system recommendation may lead to reduced surface resistance.

MAINTENANCE

Care

The durability depends on several factors: these include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour applied. To obtain long durability, regular inspection, maintenance and, if necessary, repair measures are necessary.

Annual cleaning with Top-Cleaner (7208) and maintenance with Top-Care (7227) in the package with Windoor Care-Set (7229).

Please follow our **ARL 304 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and repair.**

ORDERING INFORMATION

Size of trading unit

5 kg, 20 kg

Colour shades / Glosslevels



Standard colour(s):

Achatgrau (5108060235)

Altgrau (5108060236)

Topasgrau (5108060237)

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

Base paint(s):

Aquawood Finapro Carat Basis W30 (5108000030)

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.

In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface.

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 (5453) selected should be darker than the one of Aquawood Finapro Carat (5108).

Please observe our **ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.**

Supplementary products

Aqua-Cleaner 8029 (8029)

Aquawood Intermedio DQ (5706)

Aquawood Intermedio ISO (5705)

Aquawood Primo (5453)

Aquawood Protect (5128)

Lignovit Platin (5318)

Pullex Platin (4447)

Top-Care (7227)

Top-Cleaner (7208)

Windoor Care-Set (7229)

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 Finapro Carat (Cat A/e): 130 g/l. Aquawood Finapro Carat contains a maximum of 40 g/l VOC.
Giscode	BSW20
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.