

Aquawood Finapro Dynflow

5105

Water-based **thick-film glaze** for **wood-aluminium windows** for **industrial and professional use**

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

PRODUCT DESCRIPTION

General

Water-based, breathable thick-film glaze. High transparency and low gloss level. The product is characterized by a high level of block resistance, very good impact strength, quick resistance to water, short drying times, improved mechanical and chemical resistance, natural appearance and good feel of the surface. The product is particularly suitable for the dynflow@spraycomat coating system from Range and Heine.

Special properties and standards



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

Application areas



- Dimensionally stable timber/aluminium components in the outdoor area such as windows and front doors in the usage class 2 and 3 without soil contact.
- For humid areas (e.g. indoor pools) only with a special coating system.
- For non-dimensionally stable timber components we recommend thin-film systems such as Pullex Plus-Lasur 50314 or Pullex Aqua-Plus 53101.
- Please observe the relative technical data sheets of the products.

PROCESSING

Instructions for use



- 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 %.

03-21 (supersedes 07-18) ZKL 5105

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Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for the modification of the container sizes, colour shades and degrees of gloss available.

- Too high dry film thicknesses beyond around 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.
- 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



0-10% H₂O

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle (ø mm)	0.28 or 0.33	0.28 or 0.33	1.8 – 2.0
Spray nozzle (ø inch)	0.011 or 0.013	0.011 or 0.013	
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)	225 – 275		
Yield per application (gm/m ²) ¹⁾	500		
Yield per application (g/rm) ¹⁾	250 – 300		
Wet film (µm)	225 – 275		
Dry film (µm)	80 up to max. 120		

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. 1 hour
Tack-free	after approx. 2 hours
Stackable with PE fine foam spacers at room temperature:	after approx. 5 hours
Stackable with PE fine foam spacers after forced drying: 20 min flash-off zone 50 min drying stage (35– 40 °C) 20 min cooling stage	after approx. 130 min.
Recoatable	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.

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

General

The following coating systems are exemplary.

Impregnation

Hardwoods and softwoods:

1 x Aquawood Primo A3 5453 – A6 5456

Intermediate drying: approx. 4 hours

Please observe the relative technical data sheets of the products.

Intermediate coat

Softwood:

1 x Aquawood Intermedio DQ 5706

Intermediate drying: approx. 2 hours

Hardwood and Larch:

1 x Aquawood Intermedio ISO 5705

Intermediate drying: approx. 2 hours

Please observe the relative technical data sheets of the products.

Intermediate sanding



Grit size 220 – 240

Remove sanding dust.

Finishing coat

1 x Aquawood Finapro Dynflow 20 5105

For front doors:

An additional application of Aquawood Protect 53215 is necessary (colourless two-component varnish).

Please observe the relative technical data sheets of the products.

MAINTENANCE AND RENOVATION

Maintenance and renovation

The durability for timber-aluminium components is extremely high due to the absence of weathering. Touch-up of the coated inner surfaces should be carried out as following:

Cleaning with ADLER Top-Cleaner 51696. Maintenance with ADLER Top-Care 7227 in the package ADLER Windoor Care-Set 7229.

Please observe the relative technical data sheets of the products.

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

ORDERING INFORMATION

Size of trading unit

120-kg-poly barrel, 500 l polycontainer

Colour shades / degrees of gloss

Natural 5105069846

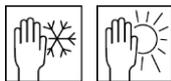
- The final colour is basically obtained from the inherent colour of the wood, the applied quantity, the colour of the impregnation and the colour of the finishing coat.
- In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface.
- It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.

Supplementary products

Aquawood Primo A3 5453 – A6 5456
 Aquawood Intermedio DQ 5706
 Aquawood Intermedio ISO 5705
 Aquawood Protect 53215
 ADLER Aqua-Cleaner 80080
 ADLER Top-Cleaner 51696
 ADLER Top-Care 7227
 ADLER Windoor Care-Set 7229

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 threshold for Aquawood Finapro Dynflow 20 (cat.A/e): 130 g/l (2010). Aquawood Finapro Dynflow 20 contains a maximum of 80 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 the 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).