Technical data sheet

Aquawood Intermedio FLEX 5725

Water-based **intermediate coating for wooden windows and front doors** for professional and industrial use
System-matched for a **3- / 4-coat build-up**

PRODUCT DESCRIPTION

General

Water-based, colourless intermediate coating for all-round sealing with optimal moisture protection. The product is characterised by very good isolating performance, very good weather resistance, high transparency, short drying times, very good flow and high block resistance.

Special properties and standards

- **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.
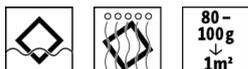

PROCESSING

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 +10 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!
- In case of flow coating for a long time, the pH-value reduces and, as a result, there could be sagging problems. For this reason, the pH value must be checked regularly and, if necessary, corrected to the target value of pH 8.3–8.6 by adding approx. 0.05% of neutralising agent 9125 (96149). (An addition of 0.10% increases the pH value by approx. 0.3 units.)
- If the viscosity increases as a result of evaporation, it must be compensated with water (set viscosity: 48 – 58 seconds in a 2 mm-measuring-cup) Before measuring the wood dust has to be screened.
- If foam forms in the flooding system, the addition of 0.1–0.3% Entschäumer-Lösung für Vacuumlacke (9016000211) is recommended.

- 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

	Flow coating	Immersion
Applied quantity per application (g/m²)	80 - 100	

The product is ready to use.

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
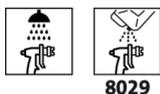(at 23 °C and 50 % rel. humidity)

Re-coatable at room temperature	approx. 2 hour(s)
Re-coatable after forced drying 20 minutes draining 50 minutes drying stage (35 - 40 °C) 20 minutes cooling stage	approx. 90 minutes

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

Transparent:

1 x Aquawood Primo (5453)

Intermediate drying time: approx. 4 hours

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 sanding	If necessary, grind the primed surface with grit size 220 – 280.
	Remove sanding dust.

Intermediate coat	1 x Aquawood Intermedio FLEX (5725)
	Intermediate drying: approx. 2 hour(s)
	For larch, pine and hardwoods, an additional application of Aquawood Intermedio FLEX (5725) is required.

Finishing coat	**Transparent:**
	1 x Aquawood Finatop 40 (5140)
	or
	1 x Aquawood Finapro 20 (5101)
	Wet film thickness: 275 - 300 µm
	Opaque:
	1 x Aquawood Covatop XT 20 (5020)
	or
	1 x Aquawood Covapro 20 (5023)
	Wet film thickness: 275 - 300 µm

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

ORDERING INFORMATION

Size of trading unit	25 kg, 120 kg poly drum

Colour shades / Glosslevels	**Standard colour(s):**
	Farblos (5725000200)
	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.

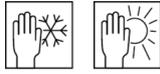| Supplementary products	Aqua-Cleaner 8029 (8029)
	Aquawood Primo (5453)
	Aquawood Primo A2 (5452)
	Aquawood Covapro 20 (5023)
	Aquawood Covatop XT 20 (5020)
	Aquawood Finapro 20 (5101)
	Aquawood Finatop 40 (5140)
	Entschäumer-Lösung für Vacuumlacke (9016000211)
	Please refer to the corresponding technical 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 FLEX (Cat A/e): 130 g/l. Aquawood Intermedio FLEX contains a maximum of 30 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.
	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.**