Technical data sheet

Aquawood Intercare TEC   5523

Water-based, **insulating spray filler** for use in industry

PRODUCT DESCRIPTION

General

Water-based, fast-drying universal spray filler. Stand-out features of this product include excellent filling performance, very effective insulation of active substances in the wood, very good highlighting of the pore pattern and good sandability. Especially environmentally friendly due to its low organic solvent content.

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.

For humid areas (e.g. indoor pools) only with a special coating system.

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 %.
- Too little quantity applied, too heavy intermediate sanding and/or increased thinning will reduce the insulation effect!
- When changing from Aquawood Intercare TEC (5523) 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.

Application technique

	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
Fine strainer (µm)		150 (100 Mesh)*
Applied quantity per application (g/m²)		200 - 250
Wet film (µm)		150 - 200

* Smaller meshes are unsuitable

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)

Recoatable at room temperature	approx. 4 h
Recoatable after accelerated drying 20 minutes drip-off time 50 minutes drying phase (35 – 40 °C) 20 minutes cooling off phase	approx. 90 minutes
Full manifestation of the product's final characteristics	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

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

Spruce, pine, fir.

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 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	1 x Aquawood Intercare TEC (5523)
Intermediate sanding 	Grit size 220 – 280 Remove sanding dust.
Finishing coat	1 x Aquawood Covatec 30 (5052) or 1 x Aquawood Covatec 20 (5053)
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
Colour shades / Glosslevels	**Standard colour(s):** Weiß (5523050000)
Supplementary products	Aqua-Cleaner 8029 (8029) Aquawood Covatec 20 (5053) Aquawood Covatec 30 (5052) 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 Intercare TEC (Cat A/d): 130 g/l. Aquawood Intercare TEC contains a maximum of 60 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.**