Aquawood Intercare ISO 5503

Water-based **insulating spray filler** for industrial and professional use

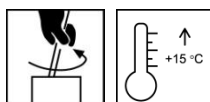| PRODUCT DESCRIPTION	
General	Water-based, fast-drying spray filler. The product is characterized by excellent insulating effect of wood substances, very good permanent elasticity and good filling power. Particularly environmentally friendly due to low content of organic solvents. The product is formulated without the addition of biocidal active agents to protect against blue stain and wood-destroying fungi.
Special properties and standards	• **French ordinance DEVL1104875A** regarding the 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, etc. • Especially suitable for softwood. • For humid areas (e.g. indoor pools) only with a special coating system.

PROCESSING	
Instructions for use	• Please stir the product before use. • 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! • 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.

01-22 (supersedes 08-16) ZKL 5503   p.t.o.

ADLER-Werk Lackfabrik (Paints factory), A-6130 Schwaz
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Application technique

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)
Spraying nozzle (ø mm)	0.28 or 0.33	0.28 or 0.33
Spraying nozzle (ø inch)	0.011 or 0.013	0.011 or 0.013
Spraying angle (degrees)	20 – 40	20 – 40
Spraying pressure (bar)	80 – 100	80 – 100
Atomized air (bar)	-	0.5 – 1.5
Fine strainer	100 Mesh, approx. 150 µm[2]	
Spraying distance (cm)	approx. 25	
Wet film (µm)	150 – 200	
Yield per application (gm/m^2)[1]	300 – 350	
[1] Yield including addition of thinner and loss while spraying		
[2] Finer screens are not suitable		

The product is ready-to-spray.

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)

Recoatable	after approx. 4 hours
Recoatable after forced drying: 20 min flash-off zone 50 min drying stage (max. 35 °C) 20 min cooling stage	after approx. 90 min
Full development of the final characteristics	overnight

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.

Avoid direct sunlight (very quick drying).

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

Cleaning the working equipment

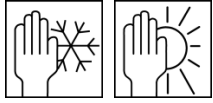

With water immediately after use.

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	13 % +/- 2 %

COATING SYSTEM

General	The following coating systems are exemplary.
Impregnation	1 x Aquawood Primo A2 5452
	Intermediate drying: approx. 4 hours
	Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.
Intermediate coat	1 x Aquawood Intercare ISO 5503
Intermediate sanding	Slight smooth sanding: Grit size 220 – 280
	Remove sanding dust.
Finishing coat	1 x Aquawood Covatop XT 20 5020
	or
	1 x Aquawood Covapro 20 5023
	or
	1 x Aquawood Covapro 40 5029
	or
	1 x Aquawood Covapro 60 5027
	Please observe the relative technical data sheets of the products.
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.

ORDERING INFORMATION

Size of trading unit	6 kg, 32 kg and 150 kg
Colour shades / degrees of gloss	White 5503050000
	Other colour shades are available as special productions.
Supplementary products	Aquawood Primo A2 5452
	Aquawood Covatop XT 20 5020
	Aquawood Covapro 20 5023
	Aquawood Covapro 40 5029
	Aquawood Covapro 60 5027
	ADLER Aqua-Cleaner 80080
	Aquawood Protect 53215

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 limit value for Aquawood Intercare ISO (Cat. A/d): 130 gm/l (2010). Aquawood Intercare ISO contains maximum 50 gm/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 industrial and professional use.
	Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).