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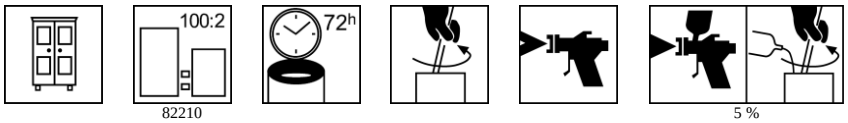
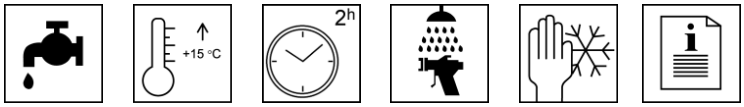
Technical data sheet

ADLER Aqua-Soft CFB 30361 ff





Description

Water-thinnable clear varnish for wood, on a polyurethane-acrylic copolymer dispersion basis, which can optionally be used as a single-component or, after addition of the cross-linker, as a double-component varnish. Can be applied varnish-on-varnish; excellent resistance to creams and fats (CFB) also when used as a single-component varnish. Excellent resistance to chemical and mechanical influences. Good light-fastness, excellent transparency and good intensification. Good body and beautiful pore markation. Stands well on perpendicular surfaces.

ADLER Aqua-Soft CFB 30361 ff contains a special UV filter with a very high light-protection effect which protects the wood substrate - and any stains which might have been used - against premature yellowing or bleaching.

Resistance to chemical influences	
ÖNORM *[Austrian standard]* A 1605-12 – Test 1	Evaluation class 1 B (for single-component application)
	Evaluation class 1 B1 (for double-component application)
Abrasion behaviour (for single-component and double-component application)	
ÖNORM A 1605-12 - Test 2	Evaluation class 2 D (≥ 50 revolutions)
Scratch-resistance behaviour	
ÖNORM A 1605-12 - Test 4	Evaluation class 4 E (0.9 N) (for 1-comp. application)
	Evaluation class 4-D (≥1.0 N) (for 2-comp.application)
Resistance to flaming (for single-component and double-component application)	
ÖNORM A 1605-12 - Test 5	Evaluation class 5 B (hardly inflammable furniture surfaces)
ÖNORM A 3800-1 (previously B 3800-1) (in combination with a hardly inflammable substrate)	Combustibility class hardly combustible (previously B1) Smoke emission class Q 1 (low smoke emission) Drop formation class Tr 1 (no drop forming)

Fields of application

- For open-pore and closed-pore varnishing of furniture and interior outfittings including surfaces for kitchen and sanitary areas (except working surfaces). Double-component application (Application Areas II-IV in accordance with ÖNORM A 1610-12), e.g. furnishings for kitchens, bathrooms, schools and hotels, for table-tops etc. Single component application: (Application Areas III – IV in accordance with ÖNORM A-1610-12) e.g. furnishings for living-rooms and bedrooms etc.
- Very well suited for the varnishing of stools and other standing furniture or for items where outstanding cream and fat resistance is required.
- For hardly inflammable and hardly combustible furnishings.

06-09 (replaces 12-07)

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Our instructions are based on the current state of knowledge and serve to advise the buyer/user according to our best knowledge but without obligation and should be matched to the areas of application and processing conditions. It is the responsibility of he buyer to decide on suitability and use of the supplied product. Otherwise our general conditions of sale apply. All earlier information sheets cease to be valid with this edition. Subject to changes with regard to can size, shades of colour and available degrees of gloss.

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Application

ADLER Aqua-Soft CFB 30361 ff is particularly intended for the "varnish-on-varnish" method of working.

Viscosity on delivery	120 ± 5 s in accordance with DIN 53211 (4 mm cup, 20° C)
Mixing ratio (for double-component application)	100 parts by weight of ADLER Aqua-Soft CFB 30361 ff 2 parts by weight of ADLER Aqua-Vernetzer 82210 *(cross-linker)*
Mixing viscosity	Approx. 100 s in accordance with DIN 53211 (4 mm cup, 20°C) Before application, ADLER Aqua-Vernetzer 82210 must to be worked carefully into the varnish components by stirring.
Pot life (for double-component application)	3 days. After 3 days mix 1 : 1 with freshly hardened material.
Application viscosity	**Airless and airmix spraying** (0.23-0.33 mm nozzle, 100-120 bars / 60-90 bars,1-2 bars,.Approx. 100 s – undiluted
	Compressed air spraying (1.8 mm nozzle, 2.5-3.5 bars) Approx. 80 s – approx. 5 % water
Application quantity	80-120 g/m² per application. Total application quantity: Max. 450 g/m²
Drying time	An application of approx. 100 g/m² can be easily sanded and varnished over after approx. 2 hours of drying at room temperature. High atmospheric humidity and/or low temperatures can noticeably prolong the drying. When drying at room temperature it is recommended that an intermediate drying time of approx. 12 hours is kept to because, in this way, the content of residual solvents in the varnish film is kept low and the condition of the subsequent varnishing is improved.
Minimum working temperature	Temperatures of at least +15 ° C are required for the varnish, the article and the room.
Intermediate sanding	240-320 grain

ADLER Aqua-Soft CFB 30361 ff distinguishes itself by its outstanding transparency and good intensification of the wood substrate. If, on dark woods, an even stronger intensification is desired then they should be stained before varnishing.

Different kinds of woods like oak or larch wood contain water-soluble wood substances which are activated by coating with water-based varnishes. Depending on the origin of the wood, discolorations of varying distinction (e.g. a green tinge) result if the varnished surfaces are exposed to daylight. Therefore, when varnishing **oak or larch** and **other woods which are rich in these wood substances**, we recommend pre-priming with ADLER PUR-Primer 25291 (please refer to the ADLER PUR-Primer technical data sheet).

Please refer to our "**Working Guidelines for Water-thinnable Wood Varnishes“** as well as to the **Safety Information Data Sheet for Varnish and Hardener**.

Characteristics

Cross-linker	ADLER Aqua-Vernetzer 82210
Thinner	Water
Storage life	12 months – protect from frost

Degrees of gloss

G10	Deep matt	30361
G30	Matt	30363
G50	Semi-matt	30365
G70	Silk matt	30367

Drum sizes

5 kg, 25 kg, 120 kg