Pache SARL - 64 Route de Gravin, 74300 Magland
04 50 89 57 17 contact@pache-adler.fr
www.pache-adler.fr

Technical data sheet

ADLER
Paint runs through our veins.

ADLER Aqua-Sec CFB 30291 ff

Water-based **multi-coat varnish** for **furniture and interior finishing** for **industrial and professional use**

PRODUCT DESCRIPTION

General

Water-based clear varnish for wood with particularly quick drying properties, which can be applied as a one or two component process. Outstanding cream and grease resistance (CFB) and good resistances to chemical and mechanical influences. Very good light fastness; excellent anti-blocking properties; very good transparency and grain accentuation; good body.
The product contains a special UV filter to protect against premature yellowing and fading.
Suitable for the “paint on paint” method.

Special properties and standards

- **ÖNORM A 1605-12** (furniture surfaces):
  Resistance to chemical reactions:
  for 1K processing: 1-B
  for 2K processing: 1-B1
  Response to abrasion:
  for 1C processing: 2-D (≥ 50 U)
  for 2C processing: 2-C (≥ 150 U)
  Rsponse to scratches:
  for 1C processing: 4-E (≥ 0.5 N)
  for 2C processing: 4-D (≥ 1.0 N)
- **DIN 68861** (furniture surfaces)
  Part 1: Response to chemical stress: 1 B
  Part 2: Response to abrasion:
  for 1C processing: 2 D (over 50 to 150 U)
  for 2C processing: 2 C (over 150 to 350 U)
  Part 4: Response to scratches:
  for 1C processing: 4 E (> 0.5 to ≤ 1.0 N)
  for 2C processing: 4 d (> 1.0 to ≤ 1.5 N)
- **ÖNORM A 3800-1** (fire behaviour) in conjunction with a flame-retardant substrate:
  flame-retardant (formerly B 1 acc. to B 3800 -1), Q1, Tr 1
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

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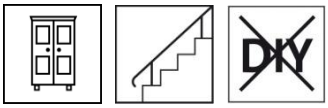
ADLER-Werk Lackfabrik, A-6130 Schwaz
Tel: 0043/5242/6922-190, Fax: 0043/5242/6922-309, email: technical-support@adler-lacke.com

Our instructions for use are based on knowledge available currently and shall guide the purchaser / 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 purchaser / user decides about the acceptance and use of the delivered product at his / her own risk, which is why we recommend that a sample piece be prepared to check the acceptability 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 modification of the container sizes, colour shades and degree of gloss.

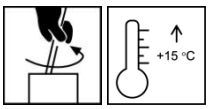
Application areas



- For large-scale industrial coating of open and closed-pore painted furniture and interior finishing (except working surfaces) as well as for stairs in the living area. Application areas III to IV according to **ÖNORM A 1610-12 e.g. for living room and bedroom furnishings etc**., 2-component application areas II to IV according to **ÖNORM A 1610-12 e.g. for the kitchen and sanitary area**.
- For paintwork where quick stackability is required due to the production process.
- Suitable for painting chairs and other frame-type furniture and for objects that require outstanding cream and grease resistance.
- Highly non-flammable or flame-retardant structures.

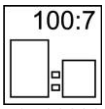
PROCESSING

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 temperature of the product and object, and the room temperature must be at least +15 °C.
- ADLER Aqua-Sec CFB 30291 ff can be used in a 1 or 2-component process.
- Different types of wood such as **oak, larch** etc. contain water-soluble components, which can be activated by being painted with water-thinnable furniture varnishes. To prevent discolouration or marks (these can be more or less pronounced depending on the origin of the wood), when painting **oak, larch** and **other types of wood rich in active substances** we therefore recommend priming them first with ADLER PUR-Primer 25291. Alternatively, ADLER Aqua-Intense GL 30016 can be used as a primer for hardwoods. Please observe the respective technical data sheets of the products.
- Please follow our "**Working guidelines for water-based furniture varnishes**".

Mixing ratio



7 % 82220

100 parts by weight of ADLER Aqua-Sec CFB 30291 ff
7 parts by weight of ADLER Aqua-PUR-Härter 82220

ADLER Aqua-PUR-Härter 82220 must be carefully worked into the paint components by stirring before processing. We recommend observing a waiting time of approx. 10 min. before processing.

Pot life

4 hours; mixed material can be processed for another 4 hours but must be mixed 1:1 with freshly hardened material; a further extension of the pot life is not possible.

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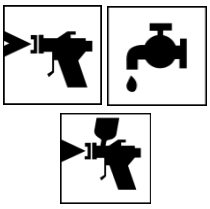
Application technique



Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spraying nozzle (ø mm)	0.23 - 0.33	0.23 - 0.33	2.0
Spraying pressure (bar)	100 - 120	60 - 90	2.5 – 3.5
Atomising air (bar)	-	1 - 2	-
Dilution (thinning)	water		
Thinner amount added in %	-	-	-
Application quantity (g/m²)	approx. 80 - 120 per application; total quantity applied (primer and top coat) max. 450		

Drying times
(at 23 °C and 50 % rel. humidity)

Sandable and recoatable	after approx. 2 hours

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

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.

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

Hard and softwood (solid wood, veneer, chipboard, (coated) wood fibre boards)

Substrate property (or condition)

The substrate must be dry, clean, capable of holding the paint, grease and wax-free and free from wood dust.

Preparation of the substrate

Hardwoods: Grit size for sanding the wood 150 - 180
Softwoods: Grit size for sanding the wood 100 - 150

During sanding use P3 dust filter

COATING SYSTEM

Primer coat

1 x ADLER Aqua-Sec CFB 30291 ff

Intermediate sanding

Grit size 240 – 320

Avoid sanding straight through!

Topcoat

1 x ADLER Aqua-Sec CFB 30291 ff

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CLEANING AND MAINTENANCE

Cleaning using ADLER Clean Möbelreiniger 96490 and preservation with ADLER Clean Möbelpflege 96491.

Please observe the respective technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit

4 kg; 22 kg

Colour / degree of gloss

G10 Stumpfmatt	30291
G30 Matt	30293
G50 Halbmatt	30295
G70 Seidenmatt	30297

Supplementary products

ADLER Aqua-PUR-Härter	82220
ADLER Aqua-Cleaner	80080
ADLER PUR-Primer	25291
ADLER Aqua-Intense GL	30016
ADLER Clean Möbelreiniger	96490
ADLER Clean Möbelpflege	96491

FURTHER DETAILS

Durability / storage

At least 12 months in the original sealed containers.

Cool but frost-free

Technical specifications

Delivery viscosity: 120 ± 5 s in accordance with DIN 53211 (4-mm cup, 20 °C)

Safety-related information

Please pay attention to the associated safety data sheet! The current version can be accessed on the Internet at **www.adler-lacke.com.**

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2 – EN 141/EN 143).

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