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-Feel CFB 30431

Water-based topcoat for **furniture and interior finishing** for i**ndustrial and professional use**

PRODUCT DESCRIPTION

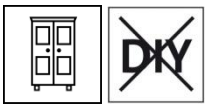
General

Water-based, transparent 2-component polyurethane topcoat to preserve a natural character of untreated wood, having a satin-like feel and excellent scratch resistance. Very good mechanical and chemical resistance, elegant matt effect and beautiful pore pattern.

Special properties and standards

- **ÖNORM A 3800-1** (fire behaviour) in conjunction with a flame-retardant substrate:
  highly non-combustible or flame-retardant (formerly B 1 in accordance with B 3800 -1), Q1, Tr 1
- **ÖNORM S 1555** and **DIN 53160** Perspiration and saliva-proof properties
- **ÖNORM EN 71-3** - Safety of toys, migration of certain elements (free of heavy metals)
- **French Ordinance DEVL1104875A** regarding the labelling of construction coating products with respect to their emission of volatile pollutants: A+

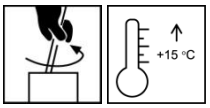
Application area



- For open-pore coating of furniture surfaces and interior finishing, if the natural appearance of the respective wood type should be preserved.
- Excellent scratch resistance in spite of the dull matt surface.
- Uniform matting with good accentuation of the wood even on dark stained substrates.
- Suitable for surfaces bleached with hydrogen peroxide.

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
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints and lacquers are used.
- Please follow our „**Working guidelines for water-based furniture paints / lacquers**".

PACHE SARL

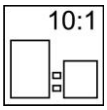
11-14 (supersedes 11-09) ZKL 3003

ADLER-Werk Lackfabrik, A-6130 Schwaz
Fon: 0043/5242/6922-301, Fax: 0043/5242/6922-309, Mail: 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 won 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 the modification of the container sizes, colour shades and degrees of gloss available.

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

Blending ratio



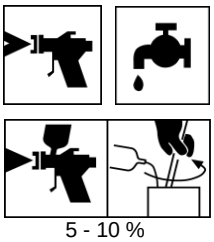
100 parts by weight of ADLER Aqua-Feel CFB 30431
10 parts by weight of ADLER Aqua-PUR-Härter 82221

ADLER Aqua-PUR-Härter must be carefully mixed with the painting component by stirring before use. We recommend waiting for about 10 min. before use.

Pot life (for 2 comp. processing)

8 hours at approx. 20 °C; higher temperature reduces the pot life. The paint/hardener mixture has not gelled after such period of time. Application, however, is no longer possible once the pot life has been exceeded.

Application technique



Application method	Airless	Airless pressurized (Airmix, Aircoat etc.)	Cup gun
Spraying nozzle (ø mm)	0.23 – 0.33	0.23 – 0.33	1.8
Spraying pressure (bar)	100 – 120	100 – 120	3 - 4
Atomized air (bar)	-	1 – 2	-
Dilution (thinning)	Water		
Thinner amount in %	-	-	5 - 10
Application quantity (g/m²)	approx. 70 – 90 per application; Total application quantity (primer and topcoat) max. 450		

Drying times

(at 23 °C and 50 % rel. humidity)

Manipulable	After approx. 3 hours
Stackable	After drying overnight

The final feel of surface is obtained after about 2 days.

The figures indicated serve as a guide and are for reference. The drying time depends on the substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Low temperatures and / or high levels of atmospheric humidity can increase the drying time.

Cleaning the working equipment

With water immediately after use.

Remove flashed-off coat residues with ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

SUBSTRATE

Type of substrate

Hardwood and softwood (solid wood, veneered-, (laminated) plywood-, wood fiber materials).

Substrate property (or condition)

The substrate must be dry, clean, stable, free of grease, wax and wood dust.

PACHE sarl

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

Preparation of the substrate	**Hardwood:** wood sanding grain size 150 – 180 **Softwood:** wood sanding grain size 100 – 150 **Primer-film coated carrier plates**: Sanding grain size 220
	COATING SYSTEM
Primer coat	Apply a prime coat of transparent, water-based furniture varnishes, such as ADLER Aqua-Resist 30461 ff or ADLER Aqua-Soft CFB 30361 ff or pigmented, water-based varnishes, such as ADLER Pigmocryl CFB 31105 ff. Please follow the respective technical data sheets of the products.
Intermediate sanding	Grain size 240 – 320 Avoid through sanding!
Topcoat	1 x ADLER Aqua-Feel CFB 30431
	MAINTENANCE
	Cleaning with ADLER Clean-Möbelreiniger 96490. Please follow the respective technical data sheets of the products.
	ORDERING INFORMATION
Size of trading unit	4 kg; 20 kg
Colour shades/Degree of gloss	Stumpfmatt (dull matt) 30431
By-products	ADLER Aqua-PUR-Härter 82221 ADLER Aqua-Resist 30461 ff ADLER Aqua-Soft CFB 30361 ff ADLER Pigmocryl CFB 31105 ff ADLER Aqua-Cleaner 80080 ADLER Clean-Möbelreiniger 96490
	FURHTER DETAILS
Durability / Storage	At least 6 months in the original sealed containers. Cool, but frost-free
Technical specifications	Delivery viscosity: 90 ± 50 s in accordance with DIN 53211 (4-mm-cup, 20 °C)
Safety-relevant information	Please follow the associated Safety data sheet! The latest version can be retrieved from the Internet at **www.adler-lacke.com**. In general, you must avoid inhaling paint aerosols. This is ensured by proper use of a breathing mask (combination filter A2/P2 – EN 141/EN 143).

PACHE Sarl