

## Technical data sheet

### ADLER Aqua-Feel CFB

30431

Water-based topcoat for furniture and interior finishing for industrial 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.

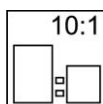
#### PROCESSING

##### 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**“.

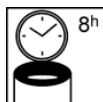
### Blending ratio



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

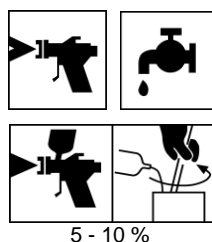
**ADLER Aqua-PUR-Härter** must be carefully mixed with the painting component by stirring before use. We recommend waiting for about 10 min. before use.

### 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



5 - 10 %

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/m <sup>2</sup> )	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.

## 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

## FURTHER DETAILS

### Durability / Storage



At least 6 months in the original sealed containers.

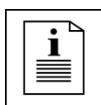
Cool, but frost-free

### 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](http://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).