

## ADLER Aqua-Kristall-Ultra

30260 ff

Water-based topcoat for furniture and interior finishing for industrial and professional use

### PRODUCT DESCRIPTION

#### General

Transparent, water-based topcoat that can be processed either as a single-component or dual-component topcoat. Good mechanical and chemical resistance, beautiful pore pattern and excellent firmness on vertical surfaces. In combination with ADLER Aqua-Primer-Ultra 30014, it has outstanding grain accentuation, transparency and resistance to creams and grease (CFB).

#### Special properties and standards



- **CATAS Quality Award - Coating Systems for domestic Furniture**

- UNI 9115 (resistance to fraying):  $\geq 101$  U
- EN ISO 2409 (cross-cut test): 0
- UNI 9428 (scratch resistance):  $\geq 0,6$  N
- UNI 9429 (change of temperature): no defects
- UNI 9300 (tendency to attract dirt): no dirt
- UNI EN 15187 (light resistance):  $> 4$
- Resistance to cream: fulfilled
- UNI 10944 (cold liquids EN 12720): C
- UNI 10944/01 (moist heat EN 12721): C
- UNI 10944/01 (dry heat EN 12722): D
- UNICHIM 2195-07 (storage in a dark place):  $\geq 4/5$

The product 30265 fulfils, when processing 2-component and in combination with Aqua-Primer-Ultra 30014 as a base coat the requirements of the CATAS Quality Award. There is a certain sensitivity to ammonia solution. Eventually occurring surface defects disappear automatically, however, which means that the requirements are met after a regeneration time of 48 hours.

- **ÖNORM A 1605-12** (furniture surfaces)

Resistance to chemical reactions:

for 1K processing: 1-B

for 2K processing: 1-B1

Response to abrasion: 2-D ( $\geq 50$  U)

Response to scratches:

for 1K processing: 4-E ( $\geq 0,5$  N)

for 2K processing: 4-D ( $\geq 1,0$  N)

- **ÖNORM A 3800-1** (fire behavior) in conjunction with a flame-retardant substrate: flame-retardant (formerly B 1 acc. to B 3800 -1), Q1, Tr 1

- **ÖNORM S 1555** or **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 marking of construction coating products for their emission of volatile pollutants: A+

### Application areas



- In combination with ADLER Aqua-Primer-Ultra 30014: for the coating of furniture and interior finishing (excluding work surfaces)  
2K processing: for the coating of furniture and interior finishing exposed to high levels of stress, such as hotel and school furnishings, kitchen and sanitary furniture: application areas II – IV in accordance with ÖNORM A 1610-12.  
1K processing: for the coating of furniture and interior finishing exposed to normal levels of stress, such as bedroom and living room furnishings: application areas III - IV in accordance with ÖNORM A 1610-12.
- Especially suitable for painting chairs and other frame-type furniture and for objects that require outstanding cream and grease resistance.
- For highly non-flammable or flame-retardant structures.

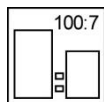
## PROCESSING

### 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.
- ADLER Aqua-Kristall-Ultra 30260 ff has a certain inherent colour which may interfere with light stain tones.
- Not suitable for varnishing pigmented furniture surfaces.
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints and lacquers are used.
- ADLER Aqua-Kristall-Ultra 30260 ff in combination with ADLER Aqua-Primer-Ultra 30014 is characterized by an excellent transparency and good grain accentuation of the wood substrate on dark woods or on dark stained surfaces.
- Please follow our "**Working guidelines for water-based furniture varnishes**".

### Mixing ratio



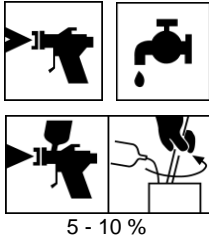
100 parts by weight of ADLER Aqua-Kristall-Ultra 30260 ff  
7 parts by weight of ADLER Aqua-PUR-Härter 82220

**ADLER Aqua-PUR-Härter must be carefully worked into the paint components by stirring before processing.**

### Pot life (for 2K processing)



4 hours at approx. 20 °C  
Increased temperatures reduce the pot life.

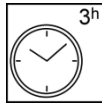
**Application technique**

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spraying nozzle (ø mm)	0.23 - 0.33	0.23 - 0.33	1.8
Spraying pressure (bar)	100 – 120	60 – 90	3 - 4
Atomising air (bar)	-	1 – 2	-
Dilution (thinning)	water		
Thinner amount added in %	-	-	5 - 10
Application quantity (g/m <sup>2</sup> )	approx. 80 - 120 per application; total quantity applied (primer and topcoat) max. 450		

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)



Manipulable	after approx. 3–5 hours
Stackable	Drying overnight

The shape, the properties and moisture of the substrate affect the consumption / yield. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

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

**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, (coated) chipboard, wood fibre boards)

**Substrate property (or condition)**

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.

**Preparation of the substrate****Hardwoods:**

Sand with grit size 150 – 180 and clean.

**Softwoods:**

Sand with grit size 100 – 150 and clean.

## COATING SYSTEM

### Primer coat

Apply a primer coat with ADLER Aqua-Primer-Ultra 30014

Please observe the relative technical data sheets of the products.

### Intermediate sanding



Grit size 240 – 320

Sanding straight through must be avoided, as this may lead to differences in the grain accentuation, which are further increased by yellowing with ageing.

### Topcoat

1 x ADLER Aqua-Kristall-Ultra 30260 ff

## CLEANING & CARE

### Cleaning & Maintenance

Cleaning with ADLER Clean-Möbelreiniger 96490.

Please observe the relative technical data sheets of the products.

## ORDERING INFORMATION

### Size of trading unit

4 kg; 22 kg

### Color shades/degree of gloss

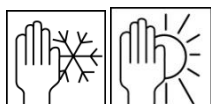
G5 Naturmatt (natural matt)	30260
G10 Stumpfmatt [Dull matt]	30261
G30 Matt	30263
G50 Halbmatt (semi-matt)	30265

### Supplementary products

ADLER Aqua-PUR-Härter 82220  
 ADLER Aqua-Primer-Ultra 30014  
 ADLER Aqua-Cleaner 80080  
 ADLER Clean-Möbelreiniger 96490

## FURTHER DETAILS

### Durability/storage



At least 9 months in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

### Technical specifications

Delivery	5200 ± 200 cP (Brookfield spindle 4/20 UpM/
viscosity	2 min/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](http://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 respiratory mask (combination filter A2/P2 – EN 141/EN 143).