

## ADLER Aqua-Resist

30461ff

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

### PRODUCT DESCRIPTION

#### General

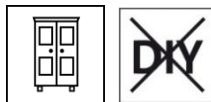
Water-based one-component clear varnish for wood surfaces. Excellent chemical and mechanical resistance as well as cream and grease resistance; excellent grain accentuation, transparency and high build; good light-fastness; excellent firmness on vertical surfaces. The product contains a special filter with very high sun protection against early yellowing or fading. Varnish-on-varnish application possible.

#### Special Properties Testing standards

- **ÖNORM A 1605-12** (Furniture surfaces)  
Resistance to chemical reactions: 1-B1  
Response to abrasion: 2-D ( $\geq 50$  U)  
Response to scratches: 4-D ( $\geq 1,0$  N)
- **DIN 68861** (furniture surfaces)  
Part 1: Response to chemical stress: 1 B  
Part 2: Response to abrasion: 2 D (above 50 to 150 U/turns)  
Part 4: Response to scratches: 4 D ( $> 1.0$  to  $\leq 1.5$  N)
- **ÖNORM A 3800-1** (Fire behaviour) in conjunction with a flame-retardant substrate:  
Flame-retardant (formerly B1 in accordance with B 3800-1), Q1, Tr 1
- **ÖNORM S 1555 resp. DIN 53160** Perspiration and saliva-proof properties
- **ÖNORM EN 71 Part 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+



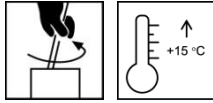
#### Areas of application



- For high build varnishing of furniture and interior fixtures including kitchen and bathroom surfaces (excluding worktops): application areas II to IV according to ÖNORM A 1610-12 for example for kitchen, bathroom, school and hotel furniture, living and bed room furniture etc.
- Ideal for varnishing chairs and other frame furniture, where excellent cream and grease resistance is required.
- For highly non-flammable or flame-retardant structures.

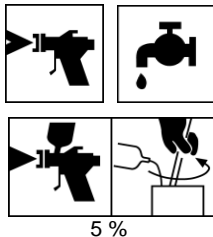
## PROCESSING

### 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-Resist 30461 ff is used as one-component varnish.
- ADLER Aqua-Resist 30461 ff features excellent transparency and good grain accentuation of the wood substrate. If a stronger enhancement is required (similar to solvent-based varnishes), apply a wood stain or tint the varnish with up to 0.5 % of the specially matching ADLER Aqua-Tint Kirsch Gold 89060 prior to varnishing.
- Various types of wood such as **oak, larch**, etc. contain water-soluble substances, which become active when applying a topcoat using water-based furniture varnishes. Hence, in order to prevent fading or marks (these can be evident in varying degree depending on the origin of the timber), we recommend applying a prime coat using ADLER PUR-Primer 25291 in case of **oak, larch** and **other wood types rich in extracts**. As an alternative for hardwood ADLER Aqua-Intense GL 30016 can be used as a primer.
- Please follow our „**Working guidelines for water-based furniture varnishes**“.
- Please follow the respective technical data sheets of the products.

### Application technique



Application method	Airless	Airless pressurized (Airmix, Aircoat etc.)	Cup gun
Spray nozzle (ø mm)	0.23 – 0.33	0.23 – 0.33	1.8 – 2.0
Spraying pressure (bar)	100 - 120	60 - 90	2.5 – 3.5
Atomizing air (bar)	-	1 - 2	-
Dilution (thinning)	water		
Thinner quantity to add in %	-	-	approx. 5
Application quantity (gm/m <sup>2</sup> )	approx. 80 - 120 per application; Total application quantity (primer and top coat) max. 450		

### Drying times

(at 23 °C and 50 % rel. humidity )



Can be sanded or recoated

after approx. 3 h

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

To improve the firmness of the subsequent coating we recommend drying overnight at room temperature. Due to this the content of residual solvents in the paint film is kept low.

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.

**Cleaning tools and equipment**

Clean with water immediately after use.

Eliminate rests of dry paint with ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

**SUBSTRATE****Type of substrate**

Hardwood and softwood (solid wood, veneered, laminated wood and (coated) wood fibre materials)

**Substrate property (or condition)**

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

**Preparation of the substrate**

**Deciduous wood:** sanding using grain size 150 – 180

**Coniferous wood:** sanding using grain size 100 – 150

**COATING SYSTEM****Primer coat**

1 x ADLER Aqua-Resist 30461ff

**Intermediate sanding**

Grain size 240 – 320

Avoid sanding straight through!

**Topcoat**

1 x ADLER Aqua-Resist 30461ff

**CARE & REFURBISHMENT**

Clean with ADLER Clean Möbelreiniger 96490 and maintain with ADLER Clean Möbelpflege 96491.

Please follow the respective technical data sheets of the products.

**NOTES ON ORDERING****Trading units**

5 kg, 25 kg

**Colour shades / Degree of gloss**

G10 Deep matt	30461
G30 Matt	30463
G50 Semi-matt	30465
G70 Silk matt	30467

**Supplementary products**

ADLER Aqua-Tint Kirsch Gold	89060
ADLER Aqua-Cleaner	80080
ADLER PUR-Primer	25291
ADLER Aqua-Intense GL	30016
ADLER Clean-Möbelreiniger	96490
ADLER Clean-Möbelpflege	96491

**OTHER INSTRUCTIONS****Storage stability / Storage**

At least 12 months in the original sealed containers.

Cool, but frost-free

**Technical Specifications**

Delivery viscosity: 160 ± 10 s in accordance with DIN 53211 (4-mm-cup, 20 °C)

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**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).

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