

ADLER Aqua-Spritzlack Eco

30270 ff

Water-based, quick-drying clear varnish for **industrial and professional use**

PRODUCT DESCRIPTION

General

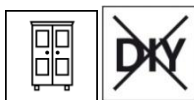
Water-based 1K clear varnish for wood. Quick drying. Can be processed "varnish-on-varnish"; very good cream and grease resistance (CFB); good mechanical and chemical resistance; very good light fastness; excellent anti-blocking properties and good body. Particularly suitable for paintwork where quick stackability is required due to the production process.

Special properties and standards

- **ÖNORM A 1605-12** (furniture surfaces):
Resistance to chemical reactions: 1-C
Response to abrasion: 2-D (≥ 50 U)
Response to scratches: 4-E (0.9 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



- For the coating of furniture and interior finishing exposed to low levels of stress: application area IV according to ÖNORM A 1610-12.
- For painting wall and ceiling elements.
- For industrial coffin varnishing.
- For highly non-flammable or flame-retardant structures.

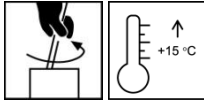
11-15 (supersedes 07-15) ZKL 3042

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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 buyer/user takes responsibility for the suitability and use of the delivered product. It is therefore recommended to produce a sample specimen for testing the suitability 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.

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.
- Different types of wood such as oak, larch etc. contain water-soluble components, which can be activated by being painted with water-based 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 (please refer to the technical data sheet). Alternatively, ADLER Aqua-Intense GL 30016 can be used as a primer for hardwoods.
- Please follow our **“Working guidelines for water-based furniture varnishes”**.
- Please observe the relative technical data sheets of the products.

Application technique



Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spraying nozzle (\varnothing mm)	0.23 - 0.33	0.23 - 0.33	1.8 - 2.0
Spraying pressure (bar)	100 - 120	60 - 90	3 - 4
Atomising air (bar)	-	1 - 2	-
Dilution (thinning)	water		
Thinner amount added in %	-	-	approx. 5
Application quantity (g/m ²)	approx. 80 - 120 per application; total quantity applied (primer and top coat) up to 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)



Sandable and recoatable	after approx. 2 hours
Manipulable and stackable	after approx. 2–3 hours

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.

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

In order to improve the firmness of the subsequent coat, we recommend drying overnight at room temperature. In addition, this keeps the content of solvent residues in the paint film low.

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)

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**

1 x ADLER Aqua-Spritzlack Eco 30270 ff

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-Spritzlack Eco 30270 ff

CLEANING & CARE**Cleaning and care**

Cleaning with ADLER Clean Möbelreiniger 96490.

Maintenance of areas with gloss level G30 to G70 with ADLER Clean Möbelpflege 96491. Excluded are especially polished shiny surfaces because of streak formation.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION**Size of trading unit**

25 kg

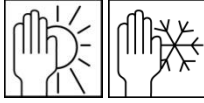
Color shades/degree of gloss

G5 Naturmatt (natural matt) 30270
 G10 Stumpfmatt [Dull matt] 30271
 G30 Matt 30273
 G50 Halbmatt (semi-matt) 30275
 G70 Seidenmatt (silk matt) 30277

Supplementary products

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

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 viscosity 45 ± 5 s in accordance with DIN 53211 (6-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**.

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).
