

ADLER Aqua-Resist

30460 ff

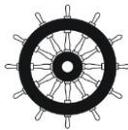
Water-based transparent **multi-coat varnish** for **furniture and interior finishing** for **industrial and professional use**

PRODUCT DESCRIPTION

General

Water-based one-component clear varnish for wood. Excellent chemical and mechanical resistance as well as cream and grease resistance; excellent grain accentuation, transparency and filling power; good light-fastness; excellent firmness on vertical surfaces. The product contains a special UV filter to protect the wood surface and eventually used stains against premature yellowing and fading. Suitable for the "paint on paint" method.

Special properties and standards



EC type test certificate 116.444
US Coast Guard approval
certificate
164.112/EC0736/116.444



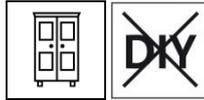
- **ÖNORM A 1605-12** (furniture surfaces):
Resistance to chemical reactions: 1-B1
Response to abrasion: 2-D (≥ 50 U)
Response to scratches: 4-D (≥ 1.0 N)
- **DIN 68861** (furniture surfaces)
Part 1: Response to chemical stress: 1 B
Part 2: Response to abrasion: 2 D (over 50 to 150 U)
Part 4: Response to scratches: 4 D ($> 1,0$ bis $\leq 1,5$ 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
- **EN 13501-1** (fire behavior) in combination with hardly inflammable wood chipboard - also veneered: B-s2, d0
- Highly non-combustible coating material for sea-going vessels (in accordance with SOLAS 74/88 Chapter II-2)
- **ISO 10993-5 / 10993-12** Toxicity test: not cytotoxic
- **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)
- Meets the criteria of **baubook "Ecological invitation to tender"**
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

04-16 (supersedes 02-15) ZKL 3018

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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.

Application areas



- For the coating of furniture and interior finishing exposed to high levels of stress, such as hotel and school furnishings, kitchen and sanitary furniture (except worktops): application areas II - IV according to 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-Resist 30460 ff is 1K processed.
- ADLER Aqua-Resist 30460 ff is characterized by an excellent transparency and good grain accentuation of the wood. If a stronger grain accentuation is required (similar to solvent-based varnishes), apply a wood stain or tint the varnish with up to 0.5 % ADLER Aqua-Tint Kirsch Gold 89060 prior to varnishing.
- Various types of wood such as **oak, larch**, etc. contain water-soluble substances, which are activated by being coated with water-based furniture paints. 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. Alternatively, ADLER Aqua-Intense GL 30016 can be used as a primer for hardwoods.
- The application quantity is 2 x 100 gm/m² for coating structures on sea-going vessels.
- Regarding the coating of interior fittings on ships the flame-retardant surface material must not be used on pipes, pipe covers and cables.
- 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 (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 |
| 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) 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. 3 hours

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.

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.

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, chipboard, (coated) 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: Wood sanding with grit size 150 - 180
Softwoods: Wood sanding with grit size 100 - 150

COATING SYSTEM

Primer coat 1 x ADLER Aqua-Resist 30460 ff

Intermediate sanding



Grit size 240 - 320

Avoid sanding straight through!

Topcoat 1 x ADLER Aqua-Resist 30460 ff

CLEANING AND MAINTENANCE

Cleaning & Care

Cleaning with ADLER Clean-Möbelreiniger 96490. Preservation of surfaces with degree of gloss G30 until G90 with ADLER Clean-Möbelpflege 96491 (furniture preservative). 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 5 kg; 25 kg

| | | |
|-------------------------------------|-----------------------------------|-------|
| Color shades/degree of gloss | G5 Naturmatt (natural matt) | 30460 |
| | G10 Stumpfmatt (dull matt) | 30461 |
| | G30 Matt | 30463 |
| | G50 Halbmatt (semi-matt) | 30465 |
| | G70 Seidenmatt (silk matt) | 30467 |
| | G90 Seidenglänzend (silky glossy) | 30469 |

| | | |
|-------------------------------|-----------------------------|-------|
| 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 |

FURTHER DETAILS

Durability/storage



At least 12 months in the original sealed containers.

Store it in a cool place that is frost-free.

Technical specifications

| | |
|--------------------|--|
| Delivery viscosity | 1500 ± 300 cP (Brookfield spindle 4/20 UpM/ 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.

The product is only suitable for industrial and professional use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2 – EN 141/EN 143).