

ADLER Aqua-Top Antiscratch 30340 ff

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

PRODUCT DESCRIPTION

General

Water-based, highly resistant 2-component multi-coat and spray paint with excellent chemical resistance as well as good mechanical resistance, high surface hardness and excellent scratch resistance; good transparency, good standing on vertical surfaces and excellent resistance to yellowing. Suitable as multi-layer varnish on e. g. oak or spruce matured timber for neutral firing on wood.

Special properties and standards

- **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) 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
- **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 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.
- Spray-off lacquer for water-based colourless and pigmented furniture lacquers.
- 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-Top Antiscratch** can slightly change the colour tone of surfaces painted with ADLER Pigmocryl NG. The application quantity and intermediate drying time also influence

02-18 (supersedes 11-17) ZKL 3030

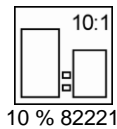
ADLER-Werk Lackfabrik (Paints factory), A-6130 Schwaz
Tel: 0043/5242/6922-301, Fax: 0043/5242/6922-309, Mail: technical-support@adler-lacke.com

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.

the final colour tone. A possible intermediate sanding can noticeably change the final shade of colour, which is why such a procedure is not recommended.

- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints and lacquers are used.
- Various types of wood such as **larch** 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 **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.
- Please observe the relative technical data sheets of the products.
- Please follow our “**Working guidelines for water-based furniture varnishes**”.

Mixing ratio

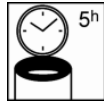


10 parts by weight ADLER Aqua-Top Antiscratch 30340 ff
1 part by weight of ADLER Aqua-PUR-Härter 82221

ADLER Aqua-PUR-Härter must be carefully worked into the paint components by stirring before processing. We recommend observing a waiting time of approx. 10 min. before processing.

ADLER Aqua-Top Antiscratch 30340 ff can only be used with the hardener ADLER Aqua-PUR-Härter 82221 and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life



5 hours at approx. 20 °C

Increased temperatures reduce the pot life.

Application technique

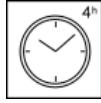


Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spraying nozzle (ø mm)	0.23 - 0.33	0.23 - 0.33	1.8 - 2.0
Spraying pressure (bar)	100 - 120	60 - 90	2.5 – 3.5
Atomising air (bar)	-	1 - 2	-
Dilution (thinning)	water		
Thinner amount added in %	-	-	approx. 5
Application quantity (g/m²)	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)



Recoatable	after approx. 4 hours
Manipulable and stackable	drying overnight

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

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.

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**

Farblos (colourless) 1 coat of water-based furniture varnishes such as ADLER Aqua-Top Antiscratch 30340 ff, ADLER Aqua-Resist 30461 ff oder ADLER ADLER Aqua-Soft CFB 30361 ff.

Opaque: 1 coat of water-based varnishes such as ADLER Pigmocryl NG 3200 ff

Please observe the relative technical data sheets of the products.

Intermediate sanding

ADLER Aqua-Top Antiscratch or other transparent water-based furniture varnishes: sanding with grit size 280 - 320

Avoid sanding straight through!

Surfaces coated with ADLER Pigmocryl NG 3200 ff are to be recoated with ADLER Aqua-Top Antiscratch 30340 ff after a drying time of at least 12 hours at room temperature and for a maximum of 3 days without intermediate sanding.

Topcoat

1 x ADLER Aqua-Top Antiscratch 30340 ff

CLEANING AND MAINTENANCE**Cleaning & Maintenance**

Cleaning with ADLER Clean-Möbelreiniger 96490.

For the preservation of surfaces having degree of gloss G30 and higher, use ADLER Clean Möbelpflege (furniture preservative) 96491.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit	4 kg; 20 kg	
Color shades/degree of gloss	G5 Naturmatt	30340
	G10 Stumpfmatt	30341
	G30 Matt	30343
	G50 Halbmatt	30345
Supplementary products	ADLER Aqua-PUR-Härter	82221
	ADLER Adlerol	30460 ff
	ADLER Aqua-Soft CFB 30361 ff	
	ADLER PUR-Primer	25291
	ADLER Aqua-Intense GL	30016
	ADLER Pigmocryl NG	3200 ff
	ADLER Aqua-Cleaner	80080
	ADLER Clean-Möbelreiniger	96490
	ADLER Clean-Möbelpflege	96491

FURTHER DETAILS

Durability/storage

At least 12 months in the original sealed containers.

Store cool but frost-free.

Technical specifications

Delivery viscosity	100 ± 4 s in accordance with DIN 53211 (4-mm cup, 20 °C)
--------------------	--

Safety-related information

Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant 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).
