

Bluefin Top-Antiscratch

2960

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

PRODUCT DESCRIPTION

General

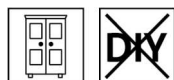
Water-based, highly resistant 2-component multi-coat and spray paint with excellent chemical resistance as well as good mechanical resistance, high surface hardness and excellent scratch resistance; good transparency, good standing on vertical surfaces and excellent resistance to yellowing. Suitable 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) part 4:
Response to scratches: 4 D ($> 1,0$ up to $\leq 1,5$ N)
1,5 N)
- **ÖNORM A 3800-1** (fire behaviour) 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+



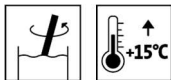
Application areas



- For the coating of furniture and interior finishing exposed to high levels of stress, such as hotel and school furnishings, kitchen and sanitary furniture (excluding work surfaces): Application areas II – IV in accordance with ÖNORM A 1610-12.
- Spray-off lacquer for water-based colourless and pigmented furniture lacquers.
- For "ring test"-resistant and therefore particularly scratch-resistant pigmented coating surfaces in furniture and interior finishing, especially tables, chairs, doors, etc.: application areas II – IV in accordance with ÖNORM A 1610-12.
- For hardly inflammable or flame-retardant coating systems.

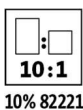
PROCESSING

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.
- **Bluefin Top-Antiscratch** can slightly change the colour tone of surfaces painted with ADLER Pigmocryl NG. Application quantity and intermediate drying time also influence the final colour shade. A possible intermediate sanding can noticeably change the final shade, 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 are used.
- Various types of wood such as larch contain water-soluble substances, which become active when overcoating with water-based furniture coatings. 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 PUR-Primer 25291.
- Please observe the relative technical data sheets of the products.
- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.

Blending ratio



10 parts by weight Bluefin Top Antiscratch 2960
1 part by weight of Aqua-PUR-Härter 82221

Aqua-PUR-Härter (hardener) must be incorporated carefully in the painting component by stirring. We recommend observing a waiting time of approx. 10 min. before processing.

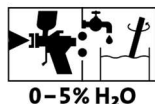
Bluefin Top-Antiscratch 2960 can only be used with the hardener Aqua-PUR-Härter 82221 and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life



5 hours at approx. 20 °C

Increased temperatures reduce the pot life.

Application technique0-5% H₂O

Application method	Airless	Airless air-supported (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
Atomized air (bar)	-	1 - 2	-
Dilution (thinning)	water		
Thinner amount added in %	-	-	0 - 5
Application quantity per application (g/m ²)	approx. 80 - 120 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)



4h

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 Aqua-Cleaner 80080 (diluted 1:1 with water).

SUBSTRATE**Type of substrate**

Hard and softwood (solid wood, veneered-, wood shaving (coated) - or wood fibre materials)

Substrate property

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**

Colourless: 1 x water-based furniture varnish as Bluefin Top-Antiscratch 2960 or Bluefin Resist 2963

Pigmented: 1 coat of water-based varnishes such as Bluefin Pigmocryl 3200 ff
NG

Please observe the relative technical data sheets of the products.

Intermediate sanding



Bluefin Top-Antiscratch 2960 or other transparent water-based furniture coatings: Sanding with grit size 280 – 320

Avoid through sanding!

Surfaces coated with Bluefin Pigmocryl NG 3200 ff are to be recoated with Bluefin Top Antiscratch 2960 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 Bluefin Top-Antiscratch 2960

CLEANING AND MAINTENANCE

Cleaning and maintenance

Cleaning with Clean-Möbelreiniger 96490.
Preservation with Clean-Möbelpflege Plus 7222000210.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit

4 kg; 20 kg

Colour shades / degrees of gloss

G05 Naturmatt	2960000105
G10 Stumpfmatt	2960000110
G30 Matt	2960000130
G50 Halbmatt	2960000150

Supplementary products

Aqua-PUR-Härter	82221
Bluefin Resist	2963
PUR-Primer	25291
Bluefin Pigmocryl NG	3200 ff
Aqua-Cleaner	80080
Clean-Möbelreiniger	96490
Clean-Möbelpflege Plus	7222000210

FURTHER DETAILS

Durability / storage



At least 12 months in the original sealed containers.

Store cool but frost-free.

Technical specifications

Delivery viscosity	100 ± 10 s in accordance with DIN 53211 (4-mm-cup, 20 °C)
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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.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).