

## Bluefin Top Antiscratch Thix

**2961**

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 ( $\geq 50$  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 (over 50 to 150 U) Part 4:  
Response to scratches: 4 D ( $> 1,0$  bis  $\leq 1,5$  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 DEV1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+



#### Application areas



- For the industrial serial coating of furniture and interior finishing exposed to high levels of stress, such as hotel and school furnishings, kitchen and sanitary furniture: application areas II – IV in accordance with ÖNORM A 1610-12. Spray-off lacquer for water-based colourless and pigmented furniture lacquers.
- 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 Thix** 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 **Oak, Larch**, etc. contain water-soluble substances, which become active when overcoating 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. 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**".

**Blending ratio**


10% 82221

10 parts by weight Bluefin Top Antiscratch Thix 2961  
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.**

Bluefin Top Antiscratch Thix 2961 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**


2 hours at approx. 20 °C

Increased temperatures reduce the pot life.

**Application technique**

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle ( $\varnothing$ 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	-
Thinner		water	
Thinner amount added in %	-	-	approx. 5
Application quantity per application ( $\text{g}/\text{m}^2$ )		approx. 80 - 120 total quantity applied (primer and topcoat) max. 450	

The shape and properties 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

Manipulable and stackable

after approx. 4 hours  
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, (coated) chipboard, 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**

**Colourless:** 1 coat of water-based furniture varnishes such as Bluefin Top Antiscratch Thix 2961, ADLER Aqua-Resist 30461 ff oder ADLER Aqua-Soft CFB 30361 ff.

**Pigmented:** 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**

Bluefin Top Antiscratch Thix 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 Bluefin Top Antiscratch Thix 2961 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 Thix 2961

**CLEANING AND MAINTENANCE****Cleaning & Maintenance**

Cleaning with ADLER Clean-Möbelreiniger 96490. Preservation with ADLER 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**

G3 Ultramatte	2961000103
G5 Naturmatte	2961000105
G10 Stumpfmatt	2961000110
G30 Matt	2961000130
G50 Halbmatt	2961000150

**Supplementary products**

ADLER Aqua-PUR-Härter	82221
ADLER Aqua-Resist	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 Plus	7222000210

**FURTHER DETAILS****Durability / storage**

At least 12 months in the original sealed containers.

Store cool but frost-free.

**Technical specifications**

Delivery viscosity	90 ± 5 s in accordance with DIN 53211 (6-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](http://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 respiratory mask (combination filter A2/P2 – EN 141/EN 143).