

Bluefin Unistar Thix

2966

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

PRODUCT DESCRIPTION

General

Water-based transparent multi-coat varnish with very good transparency and wood accentuation which can be optionally applied as a single- or two-component coating. The product has excellent filling power, fast drying and excellent blocking resistance, very good chemical and mechanical resistance. Also in 1K processing good cream and grease resistant (CFB). Very good firmness on vertical surfaces and very good light fastness. Suitable as multi-coat varnish on e.g. oak for neutral wood accentuation. The product contains a special UV filter to protect against premature yellowing and fading. Suitable for the "coat on coat" procedure. Very low VOC content.

Special properties and standards



- **ADLER green label product** - tested according to 3 categories: Environment, Health & Safety and Durability. Please also observe the sustainability data sheet.
- Meets the directives of the Austrian ecolabel **UZ 01**
- Meets the criteria of **baubook "Ecological invitation to tender"**.
- **ÖNORM A 1605-12 (furniture surfaces):**
Resistance to chemical reactions:
for 1K processing: 1-B
for 2K processing: 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 behaviour)** in conjunction with a flame-retardant substrate:
flame-retardant (formerly B 1 acc. to B 3800 -1), Q1, Tr 1
- **Cradle to Cradle Certified® Silver** certified
- **EN 13501-1 (fire behaviour)** in conjunction with a flame-retardant substrate - also veneered: B-s1,d0
- **DIN 53160-1 and DIN 53160-2** perspiration and saliva-proof properties

05-22 ZKL 2966

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Our instructions for use are based on knowledge available currently and shall guide the buyer/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 is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check 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.



- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- Suitable for coating children's toys.
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application areas



- One-component: For the coating of furniture surfaces exposed to normal levels of stress (such as bedroom suite and living room furniture, etc.: application areas III to IV according to ÖNORM A 1610-12).
- Two-component: For the coating of furniture surfaced exposed to high levels of stress (such as kitchen and bathroom furnishing, tabletops, etc.: application areas II – IV according to ÖNORM A 1610-12).
- Very good stability for coating vertical surfaces and for profiled workpieces and battens.
- For painting wall and ceiling elements.
- For hardly inflammable or flame-retardant coating systems in conjunction with a flame-retardant substrate.

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.
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints are used.
- Various types of wood (e.g. Larch, various exotic types of wood) 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), we recommend priming first with PUR-Primer 25291 for those types of wood.
- If a stronger grain accentuation / higher light protection is desired, for light woods such as Maple or Oak 1.5 % and for dark woods such as Walnut 3 % Aquafix UV 100 8148 000210 can be added to the coating.
- Please observe the relative technical data sheets of the products.
- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.

Blending ratio



4% 8481

100 parts by weight Bluefin Unistar 2966
4 part by weight of Aqua-Crosslinker 8481 000210

Aqua-Crosslinker 8481 must be carefully worked into the coating components by stirring before processing. We recommend observing a waiting time of approx. 10 min. before processing.

Pot life

72 h at approx. 20 °C. After 3 days mixed 1:1 with freshly hardened material. A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique

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 - 3
Atomized air (bar)	-	1 - 2	-
Application quantity per application (g/m ²)	approx. 80 - 120 total quantity applied (primer and topcoat) max. 450		

The product is ready to use.

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)



Sandable and recoatable	after approx. 2 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).

Conveyor belts and material lines: Clean-Smart B&P8015000210

Heavily soiled material lines: Clean-Smart Gel 8060000210

Please observe the relative technical data sheets of the products.

SUBSTRATE**Type of substrate**

Hard and softwood (solid wood-, veneer-, (coated) chipboard-, wood fibre boards)

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:**

Sand with grit size 150 – 180 and clean.

Softwoods:

Sand with grit size 100 – 150 and clean.

COATING SYSTEM

Primer 1 x Bluefin Unistar Thix 2966

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 aging.

Topcoat 1 x Bluefin Unistar Thix 2966

CLEANING AND MAINTENANCE

Cleaning and maintenance Cleaning with Clean-Möbelreiniger 96490. Preservation with Clean-Möbelpflege Plus 7222.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit 4 kg; 22 kg; 120 kg

Colour shades / degrees of gloss

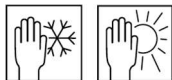
G05 Naturmatt	2966 000105
G10 Stumpfmatt	2966 000110
G30 Matt	2966 000130
G50 Halbmatt	2966 000150
G70 Seidenmatt (silk matt)	2966 000170

Supplementary products

- Aqua-Crosslinker 8481 000210
- Aquafix UV 8148 000210
- Aqua-Cleaner 80080
- Clean-Smart B&P8015000210
- Clean-Smart Gel 8060000210
- Clean-Möbelreiniger 96490
- Clean-Möbelpflege Plus 7222000210

OTHER INSTRUCTIONS

Durability / storage



At least 12 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	3400 ± 3700 cP (Brookfield spindle 4/20 UpM/ 2 min/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).