

## 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 colourless multi-coat varnish with very good transparency and accentuation, which can be applied as a one or two-component product. The product has excellent filling power, very fast drying and excellent blocking resistance, very good chemical and mechanical resistance. Good cream and grease resistance (CFB) even in one-component application. Excellent stability on vertical surfaces and very good light fastness. Suitable as a multi-coat varnish on e.g. oak for neutral grain accentuation on wood. The product contains a special UV filter to protect against premature yellowing or fading. Suitable for the "varnish on varnish" method. The product is formulated without the addition of solvents and plasticisers.

#### Special properties and standards



- green-Label**  
 ADLER green-Label products are objectively tested and certified according to three categories: Environment, Health & Safety, and Durability. Only products that score positively in all these areas are awarded the green sustainability label.
- Declared in baubook**  
 Product has been declared and validated
- 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 ( $\geq 50$  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 ( $> 50$  to  $\leq 150$  U)  
 Part 4: Response to scratches: 4 D ( $> 1,0$  to  $\leq 1,5$  N)
- ÖNORM A 3800-1 (fire behaviour)**  
 In conjunction with a flame-retardant substrate:  
 flame-retardant, Q1, Tr 1
- Cradle to Cradle Certified® Silver**  
 Cradle to Cradle Certified® is the global standard for products that are safe, circular and responsibly made.
- DIN 53160-1 and DIN 53160-2**  
 Perspiration and saliva-proof properties



- **ÖNORM EN 71-3**  
Safety of toys; migration of certain elements (free of heavy metals)
- **Plasticiser-free**
- **Coatings of children's toys**  
The product complies with the requirements for „Objects, which children may place in their mouths“ (BGBl-Federal Gazette 355: Regulation for plasticizers, 18/09/06)
- **ELF: Emission and solvent-free according to VdL Guideline 01**
- **French ordinance DEVL1104875A**  
Marking of construction coating products for their emission of volatile pollutants: A+

### Application area



**One-component:** For the coating of furniture surfaces exposed to normal levels of stress (such as bedroom suite and living room furniture, application areas III to IV according to ÖNORM A 1610-12).

**Two-component:** For the coating of furniture surfaces exposed to high levels of stress (such as kitchen and bathroom furniture, tabletops, etc., application areas II – IV according to ÖNORM A 1610-12).

For upright 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

### Processing instructions



- 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), when coating **oak, larch** and other types of wood rich in active substances we therefore recommend priming them first with Aduro Primer (2523).
- If a stronger grain accentuation / higher light protection is desired, for light woods such as Maple 1.5 % and for dark woods such as Walnut 3 % Aquafix UV 100 (8148000210) can be added to the coating.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result.
- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.

### Blending ratio



100 Gew.-Teil(e) Bluefin Unistar Thix (2966)  
4 Gew.-Teil(e) Aqua-Crosslinker 8481 (8481000210)

Aqua-Crosslinker 8481 (8481000210) must be carefully worked into the product by stirring before processing. We recommend waiting approx. 10 minutes before starting work.

**Pot life**

72 hour(s) at approx. 20 °C

Mixed material can be processed for a further 72 hour(s), but must be 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**

	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)		0,23 - 0,33	1,8 - 2,0
Spraying pressure (bar)	100 - 120	60 - 90	2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Applied quantity per application (g/m <sup>2</sup> )	80 - 120		
Total quantity applied (g/m <sup>2</sup> )	max. 450*		

\*(Primer and topcoat)

The product is ready to use.

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

**Drying times**

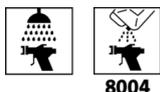
(at 23 °C and 50 % rel. humidity)



Sandable and recoatable	2 hour(s)
Manipulable and stackable	12 hour(s)

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 (8004) (diluted 1:1 with water).

Conveyor belts and material lines: Clean-Smart B&P (8015000210)

Heavily soiled material lines: Clean-Smart Gel (8060000210)

**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.

**Substrate preparation**

Hardwoods: Sand and clean with 150 - 180 grit  
Softwoods: Sand and clean with 100 - 150 grit

## COATING SYSTEM

**Primer coat** 1 x Bluefin Unistar Thix (2966)

### Intermediate sanding



Grit size 240 – 320

Remove sanding dust.

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 (7202) and care with Clean-Möbelpflege Plus (7222).

## ORDERING INFORMATION

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

### Colour shades / Glosslevels

Bluefin Unistar Thix G05 (2966000105)  
 Bluefin Unistar Thix G10 (2966000110)  
 Bluefin Unistar Thix G30 (2966000130)  
 Bluefin Unistar Thix G50 (2966000150)  
 Bluefin Unistar Thix G70 (2966000170)

### Supplementary products

Aduro Primer (2523)  
 Aqua-Cleaner (8004)  
 Aqua-Crosslinker 8481 (8481)  
 Aquafix UV 100 (8148)  
 Clean-Möbelpflege Plus (7222)  
 Clean-Möbelreiniger (7202)  
 Clean-Smart B&P (8015000210)  
 Clean-Smart Gel (8060000210)

Please refer to the corresponding technical data sheets of the products.

## FURTHER DETAILS

### Durability / storage



Min. 1 year(s) 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 mPas (Brookfield spindle 4/20 rpm/2 min/20 °C)

### Safety information



The product is only suitable for the industrial and professional use.

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

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).