

Bluefin Ecofin Thix

2954

Water-based, fast-drying clear varnish for industrial use

PRODUCT DESCRIPTION

General

Water-based clear varnish for wood that can be used as either a single- or a two-component product. Very fast drying. Can be applied using the "varnish on varnish" method; very good resistance to cream and grease; good mechanical and chemical resistance; excellent stability on vertical surfaces, very good lightfastness; outstanding block resistance and good filling performance. The product contains a special UV filter to protect the surface from premature yellowing or fading. Especially low VOC content.

Particularly suitable for coating jobs where production requirements mean that the coated items need to be stackable very quickly.

Special properties and standards



- ADLER green product**
 ADLER green 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.
- 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-E (≥ 0.9 N)
- DIN 68861 (furniture surfaces)**
 Part 1: Response to chemical stress: 1-B
 Part 2: Response to abrasion: 2 D (> 50 to ≤ 150 U)
 Part 4: Response to scratches: 4 E (> 0.5 to ≤ 1.0 N)
- ÖNORM A 3800-1 (fire behaviour)**
 In conjunction with a flame-retardant substrate:
 flame-retardant, Q1, Tr 1
- ÖNORM EN 71-3**
 Safety of toys; migration of certain elements (free of heavy metals)
- Cradle to Cradle Certified® Silver**
 Cradle to Cradle Certified® is the global standard for products that are safe, circular and responsibly made.
- 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).

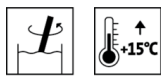
For coating interior wall and ceiling elements.

For industrial coffin coating.

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.
- Various types of wood such as Oak, various exotic woods, etc. 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).
- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.

Blending ratio



100 Part(s) by weight Bluefin Ecofin Thix (2954)
4 Part(s) by weight 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)

Increased temperatures reduce the pot life.

A further extension of the pot life is not possible.

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/m²)	80 - 120		
Total quantity applied (g/m²)	max. 450		

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	1 hour(s)
Manipulable and stackable	3 hour(s)

The figures given above are reference values. Drying depends on the substrate, layer thickness, temperature, air exchange, relative humidity, stacking pressure and stacking conditions.

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

In order to improve the firmness of the subsequent coating, we recommend drying overnight at room temperature. In addition, this keeps the content of solvent residues in the paint film low.

Cleaning the working equipment

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (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)

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

Wood sanding

Hardwoods: Sand and clean with 150 - 180 grit

Softwoods: Sand and clean with 100 - 150 grit

COATING SYSTEM**Primer coat**

1 x Bluefin Ecofin Thix (2954)

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.

Remove sanding dust.

Topcoat

1 x Bluefin Ecofin Thix (2954)

CLEANING AND MAINTENANCE**Cleaning and Maintenance**

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

ORDERING INFORMATION**Size of trading unit**

5 kg, 25 kg, 120 kg

Colour shades / Glosslevels

Bluefin Ecofin Thix G05 (2954000105)
 Bluefin Ecofin Thix G10 (2954000110)
 Bluefin Ecofin Thix G20 (2954000120)
 Bluefin Ecofin Thix G30 (2954000130)
 Bluefin Ecofin Thix G40 (2954000140)

Bluefin Ecofin Thix G50 (2954000150)
 Bluefin Ecofin Thix G60 (2954000160)
 Bluefin Ecofin Thix G70 (2954000170)
 Bluefin Ecofin Thix G80 (2954000180)

Supplementary products

Aduro Primer (2523)
 Aqua-Cleaner 8029 (8029)
 Aqua-Crosslinker 8481 (8481)
 Clean-Möbelpflege Plus (7222)
 Clean-Möbelreiniger (7202)
 Clean-Smart B&P (8015)
 Clean-Smart Gel (8060)

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).

Close opened containers well and use up the content as soon as possible.

Technical specifications

Delivery viscosity: 3,400 (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**.