

Bluefin Ecofin Thix

2954

Water-based, quick-drying clear coating for **industrial use**

PRODUCT DESCRIPTION

General

Water-based clear coating for wood, which can be used optionally as a one-component or two-component system. Can be processed "lacquer on lacquer" and is characterized by very fast drying; very good cream and grease resistance (CFB); good mechanical and chemical resistance; very good light fastness; excellent anti-blocking properties and good body. Can also be used directly on oak. The product contains a special UV filter to protect against premature yellowing and fading. Particularly low VOC content. Particularly suitable for coatings where quick stackability is required due to the production process.

Special properties and standards

- **ÖNORM A 1605-12** (furniture surfaces):
Resistance to chemical reactions:
for one-component processing: 1-B
for two-component 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 up to 150 U)
Part 4: Response to scratches: 4 E (> 0.5 until ≤ 1.0 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
- **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)
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

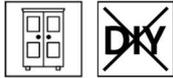


05-22 (supersedes 10-21) ZKL 2954

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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.

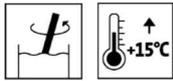
Application areas



- 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).
- For painting wall and ceiling elements.
- For industrial coffin varnishing.
- 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.
- 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.
- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.
- Please observe the relative technical data sheets of the products.

Blending ratio



100 parts by weight Bluefin Ecofin Thix 2954
4 part by weight Aqua-Crosslinker 8481

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



3 days

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 (\varnothing 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	-
Quantity per application (g/m ²)	approx. 80 - 120		
Application quantity (g/m ²)	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)



Sandable and recoatable	after approx. 1 hours
Manipulable and stackable	after approx. 2 - 3 hours

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.

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

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

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&P 8015 000210
Heavily soiled material lines: Clean-Smart Gel 8060 000210

Please observe the relative technical data sheets of the products.

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.

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 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.

Topcoat

1 x Bluefin Ecofin Thix 2954

CLEANING & MAINTENANCE**Cleaning and maintenance**

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

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION**Size of trading unit**

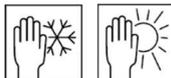
5 kg, 25 kg, 120 kg

Colour shades / degrees of gloss

G05 Naturmatt	2954 000105
G10 Stumpfmatt	2954 000110
G20 Matt	2954 000120
G30 Matt	2954 000130
G40 Matt	2954 000140
G50 Halbmatt	2954 000150
G60 Halbmatt	2954 000160
G70 Seidenmatt	2954 000170
G80 Seidenmatt	2954 000180

Supplementary products

Aqua-Crosslinker 8481
 PUR-Primer 25291
 Aqua-Cleaner 80080
 Clean-Smart B&P 8015 000210
 Clean-Smart Gel 8060 000210
 Clean-Möbelreiniger 96490
 Clean-Möbelpflege Plus 7222

OTHER INSTRUCTIONS**Durability / storage**

At least 9 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)

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 use.

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