

## Bluefin Ecofin

2953

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

### PRODUCT DESCRIPTION

#### General

Water-based clear coat for wood, which can be applied as a one- or two-component product. The product can be applied "lacquer on lacquer" and is characterized by very fast drying, very good cream and grease resistance (CGR), good mechanical and chemical resistance, very good light fastness, excellent block resistance and good filling power. Can also be used directly on oak. The product contains a special UV filter to protect against premature yellowing or fading. Particularly low VOC content.

Especially suitable for coatings where fast stacking is required for production reasons.

#### Special properties and standards



- **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-E ( $\geq 0.9$  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 E ( $> 0.5$  to  $\leq 1.0$  N)
- **ÖNORM A 3800-1 (fire behaviour)**  
In conjunction with a flame-retardant substrate:  
flame-retardant, 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)
- **Cradle to Cradle Certified™ Silver**  
Cradle to Cradle Certified® is the global standard for products that are safe, circular and responsibly made.
- **declared product in baubook**  
Accordant to baubook with one-component processing
- **French ordinance DEVL1104875A**  
Marking of construction coating products for their emission of volatile pollutants: A+

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Our instructions for use are based on knowledge available currently and shall guide the purchaser / 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 area**

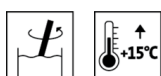
**One-component:** For the coating of furniture surfaces exposed to normal levels of stress (such as bedroom suite and living room furniture, application areas III to IV according to ÖNORM A 1610-12).

**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 painting 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 (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).
- 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**

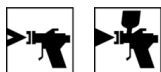
100 Gew.-Teil(e) Bluefin Ecofin (2953)  
4 Gew.-Teil(e) Aqua-Crosslinker 8481 (8481000210)

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

**Pot life**

72 hour(s)

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		

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)

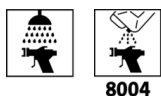


Sandable and recoatable	1 hour(s)
Manipulable and stackable	3 hour(s)

The figures given above are reference values. 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 coating, 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 (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)

**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: Grit size 150 - 180  
Softwoods: Grit size 100 - 150

**COATING SYSTEM****Primer coat**

1 x Bluefin Ecofin (2953)

**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 (2953)

**CLEANING AND MAINTENANCE****Cleaning and Maintenance**

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

**ORDERING INFORMATION****Size of trading unit**

25 kg; 120 kg

<b>Colour shades / Glosslevels</b>	Bluefin Ecofin G05 (2953000105) Bluefin Ecofin G10 (2953000110) Bluefin Ecofin G20 (2953000120) Bluefin Ecofin G30 (2953000130) Bluefin Ecofin G40 (2953000140) Bluefin Ecofin G50 (2953000150) Bluefin Ecofin G60 (2953000160) Bluefin Ecofin G70 (2953000170) Bluefin Ecofin G80 (2953000180)
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<b>Supplementary products</b>	Aduro Primer (2523) Aqua-Cleaner (8004) Aqua-Crosslinker 8481 (8481) Clean-Smart B&P (8015000210) Clean-Smart Gel (8060000210) Clean-Möbelpflege Plus (7222) Clean-Möbelreiniger (7202)
	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: approx. 45 - 50 seconds according to DIN 53211 (6mm measuring cup, 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).