

Bluefin Ecofin IQ

2957

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 Very quick drying. Can be processed "lacquer on lacquer"; very good cream and grease resistance (CFB); good mechanical and chemical resistance; very good light fastness; excellent anti-blocking properties and good body. 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

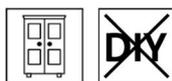
- **ÖNORM A 1605-12** (furniture surfaces):
Resistance to chemical reactions:
for one-component processing: 1-C
for two-component processing: 1-B
Response to abrasion: 2-D (≥ 50 U)
Response to scratches: 4-E (0.9 N)
- **DIN 68861** (furniture surfaces)
Part 1: Response to chemical stress:
for one-component processing: 1C
for two-component processing: 1B
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+



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ADLER-Werk Lackfabrik, A-6130 Schwaz
Phone: 0043/5242/6922-190, Fax: 0043/5242/6922-309, Mail: technical-support@adler-lacke.com

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 area

- one-component: for the coating of furniture and interior finishing exposed to minor levels of stress, such as surfaces that are not always visible. Application areas IV in accordance with ÖNORM A 1610-12.
- two-component: for the coating of furniture and interior finishing exposed to normal levels of stress, such as shelves in the home, fronts and permanently visible areas, surfaces used on seating furniture and not permanently visible areas (except tabletops). Application areas III – IV in accordance with 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), when coating **oak, larch and other types of wood rich in active substances** we therefore recommend priming them first with ADLER PUR-Primer 25291.
- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.
- Please refer to the corresponding technical data sheets of the products.

Blending ratio

100 parts by weight Bluefin Ecofin IQ 2957
4 part by weight of Aqua-Crosslinker 8481 000210

Aqua-Crosslinker 8481 000210 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

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	-
Application quantity (g/m ²)	approx. 80 - 120 per application total quantity applied: (primer and topcoat) up to 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 hour
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.

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

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.

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).

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 IQ 2957

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 IQ 2957

CLEANING & MAINTENANCE

Cleaning and maintenance Cleaning with Clean-Möbelreiniger 96490. Preservation with Clean-Möbelpflege Plus 7222 000210.

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

ORDERING INFORMATION

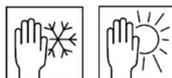
Size of trading unit 5 kg, 25 kg, 120 kg

Colour shades / degrees of gloss	G05 Naturmatt	2957 000105
	G10 Stumpfmatt	2957 000110
	G20 Matt	2957 000120
	G30 Matt	2957 000130
	G40 Matt	2957 000140
	G50 Halbmatt	2957 000150
	G60 Halbmatt	2957 000160
	G70 Seidenmatt	2957 000170
G80 Seidenmatt	2957 000180	

Supplementary products	Aqua-Crosslinker	8481 000210
	PUR-Primer	25291
	Aqua-Cleaner	80080
	Clean-Möbelreiniger	96490
	Clean-Möbelpflege Plus	7222 000210

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 45 ± 5 s in accordance with DIN 53211 (6-mm-cup, 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 the industrial and professional use

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