Technical data sheet

Bluefin Resist IQ   2971

Water-based, transparent **multi-layer varnish** for furniture and interior design for **professional and industrial use**

PRODUCT DESCRIPTION

General

Water-based 1-component clear varnish for wood. Excellent chemical and mechanical resistance as well as outstanding cream and grease resistance; excellent brightening, transparency and filling power; good light fastness; very good stability on vertical surfaces. The product contains a special UV filter with light protection effect, which protects the wood substrate and any stains used from premature yellowing or fading. Can be applied 'varnish on varnish'.

Special properties and standards

- **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 D (> 1,0 to ≤ 1,5 N)

- **DIN 66084 (burning behaviour)**
  Confirmed by an external test certificate.
  Classification of burning behaviour of upholstered textile composites and prefabricated upholstered textile composites
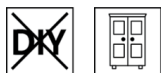
- **ÖNORM EN 71-3**
  Safety of toys; migration of certain elements (free of heavy metals)

- **DIN 53160-1 and DIN 53160-2**
  Perspiration and saliva-proof properties

- **French ordinance DEVL1104875A**
  Marking of construction coating products for their emission of volatile pollutants: A+
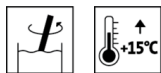
Application area

For the coating of furniture and interior finishing exposed to high levels of stress, such as hotel and school furnishings, kitchen and sanitary furniture (except worktops): application areas II - IV according to ÖNORM A 1610-12.

Especially suitable for painting chairs and other frame-type furniture and for objects that require outstanding cream and grease resistance.

For hardly inflammable or flame-retardant coating systems.

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.
- Bluefin Resist IQ (2971) is one-component processed.
- Bluefin Resist IQ (2971) is characterised by good transparency and accentuation of the wood substrate. If even stronger accentuation/ higher light protection is required, 1.5% can be added to the varnish for light-coloured woods such as maple or oak and 3% Aquafix UV 100 (8148) for dark woods such as walnut.
- 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).
- 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.**

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	2,5 - 3,5
Vaporizer Air (bar)	-	1 - 2	-
Applied quantity per application (ml/m²)		80 - 120	
Total quantity applied (g/m²)		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.
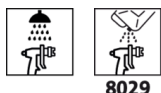
Drying times
(at 23 °C and 50 % rel. humidity)

Sandable and recoatable:	approx. 3 hour(s)

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

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

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (diluted 1:1 with water).

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	Wood sanding **Hardwoods:** Grit size 150 - 180 **Softwoods:** Grit size 100 - 150

COATING SYSTEM

Primer coat	1 x Bluefin Resist IQ (2971)
Intermediate sanding	Grit size 240 – 320 Remove sanding dust. Avoid sanding straight through!
Topcoat	1 x Bluefin Resist IQ (2971)

CLEANING AND MAINTENANCE

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

ORDERING INFORMATION

Size of trading unit	25 kg
Colour shades / Glosslevels	Bluefin Resist IQ G10 (2971000110) Bluefin Resist IQ G20 (2971000120) Bluefin Resist IQ G25 (2971000125) Bluefin Resist IQ G50 (2971000150)
Supplementary products	Aduro Primer (2523) Aqua-Cleaner 8029 (8029) Aquafix UV 100 (8148) Clean-Möbelpflege Plus (7222) Clean-Möbelreiniger (7202) Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage	Min. 9 month(s) in the original sealed containers. Cool, but frost-free. Close opened containers well and use up the content as soon as possible.
Technical specifications	Delivery viscosity: 2,500 (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.**