

# Technical data sheet

## Bluefin Terra-Resist

2972

Water-based, transparent **multi-layer coating** based on renewable raw materials for furniture and interior finishing for **professional and industrial use**

### PRODUCT DESCRIPTION

#### General

Water-based, single-component clear coating for wood, based on renewable raw materials. Excellent chemical and mechanical resistance as well as outstanding cream and grease resistance (CFB); good grain accentuation, transparency and filling power; good light fastness; very good sag resistance on vertical surfaces. The product contains a special UV filter with a UV-protection function, which protects the wood substrate and any wood stains used from premature yellowing or fading. "Coating on coating" can be applied.

#### Special properties and standards

- **ÖNORM A 1605-12 (furniture surfaces)**  
 Resistance to chemical reactions: 1-B  
 Response to abrasion: 2-D ( $\geq 50$  U)  
 Response to scratches: 4-D ( $\geq 1,0$  N)  
 Flame treatment: 5-B (highly non-flammable furniture surfaces)
- **DIN 68861 (furniture surfaces)**  
**Confirmed by an external test certificate.**  
 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 D ( $> 1,0$  to  $\leq 1,5$  N)
- **ÖNORM EN 71-3**  
**Confirmed by an external test certificate.**  
 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.

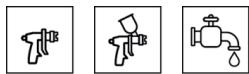
## PROCESSING

### 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 Terra-Resist (2972) is one-component processed.
- Bluefin Terra-Resist (2972) 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 (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 marking (which may vary in intensity depending on the wood's origin), we therefore recommend pre-priming **larch** and other **extractive-rich woods** with **Aduro Primer (2523)** before coating.
- 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
<b>Spraying nozzle Ø (mm)</b>		0,23 - 0,33	1,8 - 2,0
<b>Spraying pressure (bar)</b>	100 - 120	60 - 90	2,5 - 3,5
<b>Vaporizer Air (bar)</b>	-	1 - 2	-
<b>Applied quantity per application (g/m²)</b>		80 - 120	
<b>Total quantity applied (g/m²)</b>		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



8029

With water immediately after use.

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

SUBSTRATE	
<b>Type of substrate</b>	Hard and softwood (solid wood-, veneer-, (coated) chipboard-, wood fibre boards)
<b>Substrate property</b>	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.
<b>Substrate preparation</b>	Wood sanding <b>Hardwoods:</b> Grit size 150 - 180 <b>Softwoods:</b> Grit size 100 - 150
COATING SYSTEM	
<b>Primer coat</b>	1 x Bluefin Terra-Resist (2972)
<b>Intermediate sanding</b> 	Grit size 240 – 320 Remove sanding dust. Avoid sanding straight through!
<b>Topcoat</b>	1 x Bluefin Terra-Resist (2972)
CLEANING AND MAINTENANCE	
<b>Cleaning and Maintenance</b>	Cleaning with Clean-Möbelreiniger (7202) and care with Clean-Möbelpflege Plus (7222).
ORDERING INFORMATION	
<b>Size of trading unit</b>	5 kg, 25 kg
<b>Colour shades / Glosslevels</b>	Bluefin Terra-Resist G05 (2972000105) Bluefin Terra-Resist G10 (2972000110) Bluefin Terra-Resist G30 (2972000130) Bluefin Terra-Resist G50 (2972000150) Bluefin Terra-Resist G70 (2972000170)
<b>Supplementary products</b>	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	
<b>Durability / storage</b> 	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.
<b>Technical specifications</b>	Delivery viscosity: 60 – 65 seconds according to DIN 53211 (6 mm measuring cup, 20 °C)

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## 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).

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