

## Bluefin Terra-Diamond

2962

Water-based transparent **multi-coat varnish** based on renewable raw materials for **furniture and interior finishing for industrial and professional use**

### PRODUCT DESCRIPTION

#### General

Water-based, highly resistant two-component multi-coat and spray coat based on renewable raw materials with excellent chemical and mechanical resistance, very good cream and grease resistant (CFB), high surface hardness and excellent scratch resistance; good transparency, good standing on vertical surfaces and excellent resistance to yellowing. Suitable as multi-layer varnish on e. g. oak matured timber for neutral firing on wood.

#### Special properties and standards



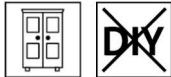
- **ADLER green label product** - tested according to 3 categories: Environment, Health & Safety and Durability. Please also observe the sustainability data sheet.
- **ÖNORM A 1605-12** (furniture surfaces):  
Resistance to chemical reactions: 1-B1  
Response to abrasion: 2-D ( $\geq 50$  U)  
Response to scratches: 4-D ( $\geq 1.0$  N)  
Flame treatment: 5-B (hardly inflammable furniture surface)
- **DIN 68861** (furniture surfaces)  
Part 1: Response to chemical stress: 1 B  
Part 2: Response to abrasion: 2 D (over 50 to 150 U) part 4:  
Response to scratches: 4 D ( $> 1,0$  up to  $\leq 1,5$  N)
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- **ÖNORM A 3800-1** (fire behaviour) in conjunction with a flame-retardant substrate: flame-retardant, Q1, Tr 1
- **Cradle to Cradle Certified®** Silver certified
- Registered in **baubook**
- Meets the directives of the Austrian ecolabel **UZ 06**
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+
- **Vegan**

02-23 (supersedes 10-22) ZKL 2962

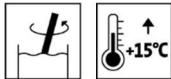
ADLER-Werk Lackfabrik, A-6130 Schwaz

Phone: 0043/5242/6922-190, Fax: 0043/5242/6922-309, Mail: [technical-support@adler-lacke.com](mailto:technical-support@adler-lacke.com)

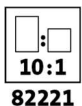
Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user is responsible for deciding on the suitability 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**

- For the coating of furniture and interior finishing exposed to high levels of stress, such as hotel and school furnishings, kitchen and sanitary furniture (excluding work surfaces): Application areas II – IV in accordance with ÖNORM A 1610-12.
- Spray-off lacquer for water-based colourless and pigmented furniture lacquers.
- For hardly inflammable or flame-retardant coating systems.

**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 is necessary.
- Bluefin Terra-Diamond 2962 can slightly change the colour tone of surfaces painted with Bluefin Pigmocryl NG. Application quantity and intermediate drying time also influence the final colour shade. A possible intermediate sanding can noticeably change the final shade, which is why such a procedure is not recommended.
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints are used.
- 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 observe the relative technical data sheets of the products.
- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.

**Blending ratio**

10 parts by weight Bluefin Terra-Diamond 2962  
1 part by weight of Aqua-PUR-Härter 82221

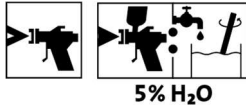
**Aqua-PUR-Härter (hardener) must be incorporated carefully in the painting component by stirring. We recommend observing a waiting time of approx. 10 minutes before processing.**

Bluefin Terra-Diamond 2962 can only be used with the hardener Aqua-PUR-Härter 82221 and in the mixing ratio specified. Deviations lead to film and adhesion problems.

**Pot life**

3 hours at approx. 20 °C.

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	2.5 – 3.5
Atomized air (bar)	-	1 - 2	-
Dilution (thinning)	Water		
Thinner-added in %	-	-	approx. 5
Application quantity (g/m <sup>2</sup> )	approx. 80 - 120 per application; total quantity applied (primer and topcoat) 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)



Recoatable	after approx. 4 hours
Manipulable and stackable	drying overnight

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

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.

**Cleaning the working equipment**

With water immediately after use.

To remove dried product residues we recommend using Aqua-Cleaner 80080 (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.

**Preparation of the substrate****Wood sanding:**

Hardwoods: grit size 150 – 180

Softwoods: grit size 100 – 150

## COATING SYSTEM

<b>Primer</b>	<p><b>Colourless:</b> 1x Bluefin Terra-Diamond 2962</p> <p><b>Pigmented:</b> 1 x coat of water-based varnishes such as Bluefin Pigmocryl NG in the desired quality</p> <p>Please observe the relative technical data sheets of the products.</p>
	<p><b>Intermediate sanding</b></p> <p>Grit size 240 - 320</p> <p>Avoid sanding straight through!</p> <p>Surfaces coated with Bluefin Pigmocryl NG are to be recoated with Bluefin Terra-Diamond 2962 after a drying time of at least 12 hours at room temperature and for a maximum of 3 days without intermediate sanding.</p>
<b>Topcoat</b>	1x Bluefin Terra-Diamond 2962


## CLEANING AND MAINTENANCE

<b>Cleaning &amp; maintenance</b>	<p>Cleaning with Clean-Möbelreiniger 96490. Preservation with Clean-Möbelpflege Plus 7222.</p> <p>Please observe the relative technical data sheets of the products.</p>
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## ORDERING INFORMATION

<b>Size of trading unit</b>	4 kg; 20 kg	
<b>Colour shades / degrees of gloss</b>	<p>G5 Naturmatt 2962000105</p> <p>G10 Stumpfmatt 2962000110</p> <p>G30 Matt 2962000130</p> <p>G50 Halbmatt 2962000150</p> <p>G70 Seidenmatt 2962000170</p>	
<b>Supplementary products</b>	<p>Aqua-PUR-Härter 82221</p> <p>Bluefin Pigmocryl NG diverse qualities</p> <p>Aqua-Cleaner 80080</p> <p>Clean-Möbelreiniger 96490</p> <p>Clean-Möbelpflege Plus 7222</p>	

## OTHER INSTRUCTIONS

<b>Durability / storage</b>	<p>At least 12 months in the original sealed containers.</p> <p>Store cool but frost-free.</p>
	

<b>Technical specifications</b>	<p>Delivery viscosity 100 ± 4 s in accordance with DIN 53211 (4-mm cup, 20 °C)</p>
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### 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](http://www.adler-lacke.com)**.

The product is only suitable for industrial and professional use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).

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