

## Bluefin Terra-Diamond C

2973

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

### PRODUCT DESCRIPTION

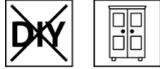
#### General

Water-based, highly resistant two-component multi-layer coating and spray coating based on renewable raw materials with excellent chemical and mechanical resistance as well as very good cream and grease resistance, high surface hardness and excellent scratch resistance; very good transparency, good sag resistance on vertical surfaces and excellent resistance to yellowing. Suitable as a multi-layer coating on, e.g. oak, for neutral grain enhancement on wood.

#### Special properties and standards



- ADLER green product**  
 ADLER green products are objectively tested and certified according to three categories: Environment, Health & Safety, and Durability. Only products that score positively in all these areas are awarded the green sustainability label.
- 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 ( $> 50$  to  $\leq 150$  U)  
 Part 4: Response to scratches: 4 D ( $> 1,0$  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
- Declared in baubook**  
 Product has been declared and validated
- Vegan**
- 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.

Spray-off lacquer for water-based colourless and pigmented furniture coatings.

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-Diamond C (2973) 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.
- 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.
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints are used.
- 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**

10 Part(s) by weight Bluefin Terra-Diamond C (2973)  
1 Part(s) by weight Aqua-Hardener 8451 (8451000210)

Aqua-Hardener 8451 (8451000210) must be carefully worked into the product by stirring before processing. We recommend waiting approx. 10 minutes before starting work.

Bluefin Terra-Diamond C (2973) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

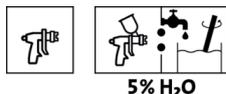
**Pot life**

3 hour(s) at approx. 20 °C

Increased temperatures reduce the pot life. A further extension of the pot life is not possible.

Please only prepare as much material as can be used within 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	2,5 - 3,5
Vaporizer Air (bar)	-	1 - 2	-
Diluent	Water		
Diluent amount added (%)	-		5
Applied quantity per application (g/m <sup>2</sup> )	80 - 100		
Total quantity applied (g/m <sup>2</sup> )	max. 450*		

\*(Primer and topcoat)

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)



Can be painted over	4 hour(s)
Can be handled and stacked	12 hour(s)

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

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 (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

## Colourless:

1 x Bluefin Terra-Diamond C (2973)

## Pigmented:

1 x Water-based coatings such as Bluefin Pigmocryl NG (various qualities)

<b>Intermediate sanding</b> 	<p>Grit size 240 – 320</p> <p>Remove sanding dust.</p> <p>Avoid sanding straight through!</p> <p>Surfaces coated with Bluefin Pigmocryl NG (various qualities) are to be recoated with Bluefin Terra-Diamond C (2973) 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>	<p>1 x Bluefin Terra-Diamond C (2973)</p>
<b>CLEANING AND MAINTENANCE</b>	
<b>Cleaning and Maintenance</b>	<p>Cleaning with Clean-Möbelreiniger (7202) and care with Clean-Möbelpflege Plus (7222).</p> <p>Please refer to our <b>ARL 283 - Instructions of care for varnished furniture surfaces</b>.</p>
<b>ORDERING INFORMATION</b>	
<b>Size of trading unit</b>	<p>4 kg, 20 kg</p>
<b>Colour shades / Glosslevels</b>	<p>Bluefin Terra-Diamond C G05 (2973000105)  Bluefin Terra-Diamond C G10 (2973000110)  Bluefin Terra-Diamond C G30 (2973000130)</p>
<b>Supplementary products</b>	<p>Aduro Primer (2523)  Aqua-Hardener 8451 (8451)  Clean-Möbelpflege Plus (7222)  Clean-Möbelreiniger (7202)  Bluefin Pigmocryl NG (various qualities)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>
<b>FURTHER DETAILS</b>	
<b>Durability / storage</b> 	<p>Min. 1 year(s) in the original sealed containers.</p> <p>Cool, but frost-free.</p> <p>Close opened containers well and use up the content as soon as possible.</p>
<b>Technical specifications</b>	<p>Delivery viscosity: 95 – 105 seconds according to DIN 53211 (4 mm measuring cup, 20 °C)</p>
<b>Safety information</b> 	<p>The product is only suitable for the industrial and professional use.</p> <p>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).</p> <p>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 <a href="http://www.adler-lacke.com">www.adler-lacke.com</a>.</p>