

Bluefin Terra-Diamond

2962

Water-based, transparent **multicoat varnish** made with renewable raw materials for **furniture and interior finishing**, for use in **industry and trade**

PRODUCT DESCRIPTION

General

Water-based, highly durable 2C multicoat and spray-on varnish, made with renewable raw materials, with outstanding chemical and mechanical resistance, very good cream and grease resistance, a high degree of surface hardness and outstanding scratch resistance; very good transparency, good stability on vertical surfaces and excellent resistance to yellowing. Suitable for use as a multicoat varnish, e.g. on oak, for neutral accentuation of the wood grain.

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.
- **Austrian Eco Label**
Fulfils the guidelines for the Austrian Eco Label UZ 06.
- **ÖNORM A 1605-12 (furniture surfaces)**
Confirmed by an external test certificate.
Resistance to chemical reactions: 1-B1
Response to abrasion: 2-D (≥ 50 U)
Response to scratches: 4-D (≥ 1.0 N)
Flame treatment: 5-B (hardly inflammable furniture surface)
- **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 ≤ 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).
- **ÖNORM A 3800-1 (fire behaviour)**
In conjunction with a flame-retardant substrate:
flame-retardant, Q1, Tr 1
- **Cradle to Cradle Certified® Silver**
Cradle to Cradle Certified® is the global standard for products that are safe, circular and responsibly made.



2-0 IMC 2962 | 04/25 | replaces 1-0

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Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.



- **declared product in baubook**
Criteria of the "Baubook Ökologisch ausschreiben" fulfilled
- **French ordinance DEVL1104875A**
Confirmed by an external test certificate.
Marking of construction coating products for their emission of volatile pollutants: A+
- **Vegan**

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 (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 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**.

Blending ratio



10 Part(s) by weight Bluefin Terra-Diamond (2962)
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 (2962) 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.

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 ²) | 80 - 100 | | |
| Total quantity applied (g/m ²) | 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

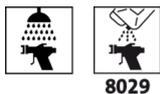
(at 23 °C and 50 % rel. humidity)



| | |
|---------------------------|--------------------|
| Recoatable | approx. 4 h |
| Manipulable and stackable | approx. 12 hour(s) |

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.

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 (2962)

Pigmented:

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

Intermediate sanding

Grit size 240 – 320

Remove sanding dust.

Avoid sanding straight through!

Surfaces coated with Bluefin Pigmocryl NG (various qualities) 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.

Topcoat

1 x Bluefin Terra-Diamond (2962)

CLEANING AND MAINTENANCE**Cleaning and Maintenance**

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

ORDERING INFORMATION**Size of trading unit**

4 kg, 20 kg

Colour shades / Glosslevels

Bluefin Terra-Diamond G05 (2962000105)
Bluefin Terra-Diamond G10 (2962000110)
Bluefin Terra-Diamond G30 (2962000130)
Bluefin Terra-Diamond G50 (2962000150)
Bluefin Terra-Diamond G70 (2962000170)

Supplementary products

Aduro Primer (2523)
Aqua-Hardener 8451 (8451)
Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)
Bluefin Pigmocryl NG (various qualities)

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

FURTHER DETAILS**Durability / storage**

Min. 1 year(s) in the original sealed containers.

Cool, but frost-free.

Technical specifications

Delivery viscosity: 95 second – 105 second according to DIN 53211 (4 mm measuring cup, 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.