

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 2-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.

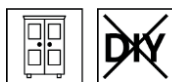
Special properties and standards



- **ÖNORM A 1605-12** (furniture surfaces):
Resistance to chemical reactions: 1-B1
Response to abrasion: 2-D (≥ 50 U)
Response to scratches: 4-D (≥ 1.0 N)
- **DIN 68861** (furniture surfaces)
Part 1: Response to chemical stress: 1 B
Part 2: Response to abrasion: 2 D (over 50 up 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 (formerly B 1 acc. to B 3800 -1), Q1, Tr 1
- Meets the criteria of baubook **“Ecological invitation to tender”**.
- 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**



Application areas



- 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.

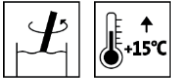
02-21 ZKL 2962

ADLER-Werk Lackfabrik, A-6130 Schwaz
Phone: 0043/5242/6922-301, Fax: 0043/5242/6922-309, Email: 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 modification of the container sizes, colour shades and degree of gloss.

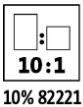
PROCESSING

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.
- Bluefin Terra-Diamond 2962 can slightly change the colour tone of surfaces painted with ADLER 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 **larch** contain water-soluble substances, which are activated by being coated with water-based furniture paints. To prevent discolouration or marks (these can be more or less pronounced depending on the origin of the wood), when painting **larch** and **other types of wood rich in active substances** we therefore recommend priming them first with ADLER PUR-Primer 25291. Alternatively, ADLER Aqua-Intense GL 30016 can be used as a primer for hardwoods.
- Please observe the relative technical data sheets of the products.
- Please follow our **ARL 150 - Working guidelines for water-based furniture varnishes**.

Blending ratio



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

ADLER Aqua-PUR-Härter must be carefully worked into the paint components by stirring before processing. We recommend observing a waiting time of approx. 10 min. before processing.

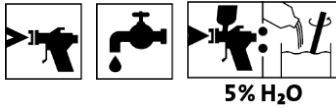
Bluefin Terra-Diamond 2962 can only be used with the hardener ADLER Aqua-PUR-Härter 82221 and in the mixing ratio specified. Deviations lead to film and adhesion problems.

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 amount added in %	-	-	approx. 5
Application quantity per application (g/m ²)	approx. 80 - 120 total quantity applied (primer and topcoat) max. 450		

The shape, the properties and moisture 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 paint residues we recommend using ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

SUBSTRATE**Type of substrate**

Hard and softwood (solid wood, veneered-, wood shaving (coated) - or wood fibre materials)

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

Hardwoods: wood sanding with grit size 150 - 180
Softwoods: wood sanding with grit size 100 - 150

COATING SYSTEM**Primer**

Colourless: 1x Bluefin Terra-Diamond 2962

Pigmented: 1 coat of water-based varnishes such as ADLER Pigmocryl NG 3200 ff

Please observe the relative technical data sheets of the products.

Intermediate sanding

Grit size 240 - 320

Avoid sanding straight through!

Surfaces coated with ADLER Pigmocryl NG 3200 ff are to be recoated with Bluefin Terra-Diamond 2962 ff after a drying time of at least 12 hours at room temperature and for a maximum of 3 days without intermediate sanding.

Topcoat

1x Bluefin Terra-Diamond 2962

CLEANING AND MAINTENANCE**Cleaning and maintenance**

Cleaning with ADLER Clean-Möbelreiniger 96490. Preservation with ADLER Clean-Möbelpflege Plus 7222000210.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION**Size of trading unit**

4 kg; 20 kg

Colour shades / degrees of gloss

G5 Naturmatt

2962000105

Supplementary products

ADLER Aqua-PUR-Härter	82221
ADLER Pigmocryl NG	3200 ff
ADLER Aqua-Cleaner	80080
ADLER Clean-Möbelreiniger	96490
ADLER Clean-Möbelpflege Plus	7222000210

FURTHER DETAILS**Durability / storage**

At least 12 months in the original sealed containers.

Store cool but frost-free.

Technical specifications

Delivery viscosity	approx. 100 ± 4 s in accordance with DIN 53211 (4 mm cup, 20 °C)
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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.

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).