

Bluefin Smart

2990000105

Water-based **surface coating** for **furniture and interior finishing** for **industrial and professional use**

PRODUCT DESCRIPTION

General

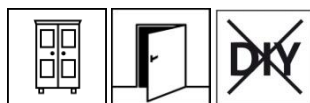
Water-based, transparent 2-component surface coating for wood that preserves the natural character of the wood with a single application; velvety handle (soft touch), open-pored coating, good durability and excellent scratch resistance.

Special properties and standards

- **ÖNORM A 1605-12** (furniture surfaces)
Resistance to chemical reactions: 1-B1 (except for coffee and red wine)
Response to abrasion: 2-D (≥ 50 U)
Response to scratches: 4-D (≥ 1.0 N)
Flame treatment: 5-B (difficult to ignite furniture surface)
- **ÖNORM A 3800-1** (fire behavior) in conjunction with a flame-retardant substrate:
flame-retardant (formerly B 1 acc. to B 3800 -1), Q1, Tr 1
- **DIN 68861** (furniture surfaces)
Part 1: Response to chemical stress: 1-B (except for coffee and red wine)
Part 2: Response to abrasion: 2 D (over 50 to 150 U)
Part 4: Response to scratches: 4 D ($> 1,0$ bis $\leq 1,5$ N)
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+



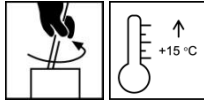
Application areas



- For open-pored coatings of surfaces in furniture and interior finishing, if the natural appearance of the respective wood type is to be preserved.
- Suitable for the coating of surfaces bleached with hydrogen peroxide.

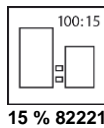
PROCESSING

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.
- The complete scratch resistance is given 2 days after grinding.
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints and lacquers are used.
- Please follow our "**Working guidelines for water-based furniture varnishes**".

Mixing ratio



100 parts by weight Bluefin Smart 2990000105
15 parts 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 Smart 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.

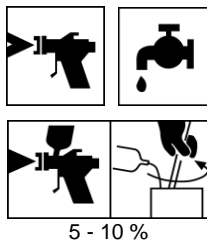
Pot life



3 hours at approx. 20 °C

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

Application technique



5 - 10 %

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spraying nozzle (ø mm)	0.23 - 0.33	0.23 - 0.33	2.0
Spraying pressure (bar)	100 – 120	80 – 100	3 - 4
Atomising air (bar)	-	1 – 2	-
Dilution (thinning)	water		
Thinner amount added in %	-	-	5 - 10
Application quantity (g/m ²)	approx. 130 – 150		

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)



Manipulable	after drying overnight
Grindable	after drying overnight
Stackable	after drying overnight

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 ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

SUBSTRATE**Type of substrate**

Hardwood and softwood (solid wood, veneered wood fibre materials)

Substrate property (or condition)

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 220 - 240

Softwoods: Wood sanding with grit size 180 - 240

Rinsing the sanded wood and, once it has dried, sanding it smooth with grit size 220 - 240 is beneficial; with solid oak, this step is essential.

COATING SYSTEM**Coating**

1 x Bluefin Smart 2990000105

Final Grinding

Smooth Sanding with grit size 360 - 400

Avoid sanding straight through!

Re-grinding with an abrasive fleece such as Scotch-Brite Grau (ultra fine, 9640 000301).

Wipe with a cloth moistened with water.

CLEANING & MAINTENANCE**Cleaning & 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 / degree of gloss

Naturmatt

2990000105

Supplementary products

ADLER Aqua-PUR-Härter 82221

ADLER Aqua-Cleaner 80080

ADLER Clean-Möbelreiniger 96490

ADLER Clean-Möbelpflege Plus 7222000210

Schleifvlies Grau, ultra fine 9640 000301

FURTHER DETAILS

Durability/storage

At least 6 months in the original sealed containers.

Store cool but frost-free.

Technical specifications

Delivery
viscosity

60 ± 10 s in accordance with DIN 53211 (4-mm
cup, 20 °C)

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.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).
