

## Bluefin Smart

2990

Water-based surface coating for furniture and interior finishing, for use in industry and trade

### PRODUCT DESCRIPTION

Product numbers

2990000105

General

Water-based, transparent 2C surface coating for wood, retains the natural character of the wood with just one application; velvety feel (soft touch), very durable and offers outstanding 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 ( $\geq 50$  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 (except for coffee and red wine)  
Part 2: Response to abrasion: 2 D ( $> 50$  to  $\leq 150$  U)  
Part 4: Response to scratches: 4 D ( $> 1,0$  bis  $\leq 1,5$  N)



- **ÖNORM A 3800-1 (fire behaviour)**  
In conjunction with a flame-retardant substrate:  
flame-retardant, Q1, Tr 1

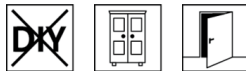


- **ÖNORM EN 71-3**  
Safety of toys; migration of certain elements (free of heavy metals)



- **French ordinance DEVL1104875A**  
Marking of construction coating products for their emission of volatile pollutants: A+

Application area



For the treatment of surfaces in furniture and interior finishing, if the aim is to retain the natural look of the type of wood in question.

Suitable for the coating of surfaces bleached with hydrogen peroxide.

### 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.

- The surface doesn't develop its full scratch resistance until two days after sanding.
- 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



100 Part(s) by weight Bluefin Smart (2990)  
15 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 Smart (2990) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

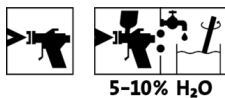
### Pot life



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		2,0
Spraying pressure (bar)	100 - 120	80 - 100	2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	Water		
Diluent amount added (%)	-		5 - 10
Applied quantity per application (g/m²)	130 - 150		

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)



Sandable	12 hour(s)
Can be handled and stacked	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	<p><b>Hardwoods:</b> Wood sanding Grit size 220 – 240</p> <p><b>Softwoods:</b> Wood sanding Grit size 180 - 240</p> <p>It's a good idea to apply water to the sanded wood and then, once it has dried, to sand it smooth with a sandpaper with grit size 200 - 240; with solid oak, this step is a must.</p>
COATING SYSTEM	
Primer coat	1 x Bluefin Smart (2990)
Finishing treatment	<p><b>Final sanding:</b> Slight smooth sanding Grit size 360 – 400</p> <p>Avoid sanding straight through!</p> <p>Touch-up sanding with a sanding fleece, e.g. Schleifvlies grau ultrafine 150x230mm (9640000301).</p> <p>Then wipe across the surface with a cloth moistened with water.</p>
	
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
Supplementary products	<p>Aqua-Cleaner 8029 (8029)</p> <p>Aqua-Hardener 8451 (8451)</p> <p>Clean-Möbelpflege Plus (7222)</p> <p>Clean-Möbelreiniger (7202)</p> <p>Schleifvlies grau ultrafine 150x230mm (9640000301)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>
FURTHER DETAILS	
Durability / storage	<p>Min. 6 month(s) in the original sealed containers.</p> <p>Cool, but frost-free.</p>
	
Technical specifications	Delivery viscosity: 50 – 60 seconds according to DIN 53211 (4 mm measuring cup, 20 °C)
Safety information	<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>
	

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).

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