

Bluefin Multilux Top

3853

Water-based, UV-curing furniture varnish **for industrial use**

Top – top quality

PRODUCT DESCRIPTION

General

Water-based, UV curing clear varnish for wood with outstanding physical drying. Very good mechanical and chemical resistance, very good transparency, excellent yellowing resistance, good firmness on vertical surfaces.

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)
Flammability: 5-B (difficult to ignite furniture surface)
- **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
- **DIN 68861** (furniture surfaces)
Part 1: Response to chemical stress: 1 B
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)
- **DIN 53160-1 and DIN 53160-2** perspiration and saliva-proof properties
- **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 the industrial serial coating of furniture and interior finishing exposed to high levels of stress, such as hotel and school furnishings, kitchen and sanitary furniture: Application areas II – IV in accordance with ÖNORM A 1610-12.
- Highly non-flammable or flame-retardant structures.

03-21 (replaces 10-20) ZKL 3853

ADLER-Werk Lackfabrik, A-6130 Schwaz

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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 the modification of the container sizes, colour shades and degrees of gloss available.

PROCESSING

Instructions for use

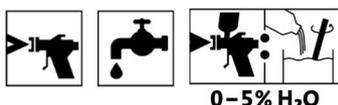


- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +15 °C.
- Bluefin Multilux Top 3853 is designed above all for the "varnish-on-varnish" working method. Applying two spraying coats with corresponding intermediate sanding results in optically appealing and high-quality furniture surfaces.
- Bluefin Multilux Top 3853 can be used as a high-quality spray varnish for pigmented coating systems. The result are ring test resistant surfaces with very high mechanical resistance.
- Various types of wood such as **oak, larch**, etc. contain water-soluble substances, which are activated by being coated with water-based furniture paints. Depending on the origin of the timber different levels of discolouration (greenish cast) can occur when the painted areas are exposed to daylight. When painting **oak and other types of wood rich in active substances** we recommend priming them first with **Bluefin Baselux 3810000200**. For **larch** we recommend **ADLER PUR-Primer 25291** as a basecoat.
- Bluefin Multilux Top 3853 is characterised by good transparency and grain accentuation of the wood substrate. If an even more pronounced grain accentuation is wanted on dark timbers, the wood should be stained before painting.

Regarding wood stains that can be used under water-based UV paints, please contact your technical adviser.

- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.

Application technique



Application method	Airless	Airmix, air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle (ø mm)	0.23 - 0.33	0.23 - 0.33	2.0
Spraying pressure (bar)	100 - 120	100 - 120	approx. 3 - 4
Atomising air (bar)	-	1 - 2	-
Dilution (thinning)	Water		
Thinner-added in %	-	-	0 - 5
Application quantity (g/m ²)	approx. 100 - 120 per application; 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 conditions**Flashing off the water:**

35 - 45 min belt-type pallet drier (maximum temperature 50 °C)
or
15 - 20 min flat channel drier (maximum temperature 50 °C, air-speed approx. 2 m/s)

The figures given above are reference values, which must be coordinated with the respective facility. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

UV curing

Feed 2 - 3 m/min (with one radiator)
UV high-performance radiator 80 - 120 W/cm

The feed can be increased in direct proportion to the number of radiators.

Cleaning equipment**the working**

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

Substrate condition**property****(or**

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

While grinding use at least dust filter P3 as personal protective equipment to protect against sanding and wood dust.

COATING SYSTEM**Primer**

Farblos (colourless): 1 x Bluefin Multilux Top 3853
Opaque: ADLER Pigmolux DC 3301 ff in the desired quality

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

Intermediate sanding

Manual grinding: grit size 280 – 360
Mechanical grinding: grit size 400 – 600

While grinding use at least dust filter P3 as personal protective equipment to protect against sanding and wood dust.
Avoid sanding straight through!

Surfaces coated with ADLER Pigmolux DC 3301 ff have to be varnished with Bluefin Multilux Top 3853 within 24 hours without intermediate sanding.

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

Topcoat

1 x Bluefin Multilux Top 3853

CLEANING AND MAINTENANCE

Cleaning & Care

Cleaning with ADLER Clean Möbelreiniger 96490. Preservation of surfaces with degree of gloss G30 and higher with ADLER Clean-Möbelpflege Plus 7222000210.

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

ORDERING INFORMATION

Size of trading unit

25 kg

More sizes on request.

Colour shades / degrees of gloss

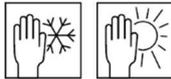
Bluefin Multilux Top is available in different gloss level gradations from G10 Stumpfmatt (dull matt) 3853000110 until G90 Seidenglänzend (silk-glossy) 3853000190

Supplementary products

ADLER Aqua-Cleaner 80080
ADLER Bandreinigungslösung 80066
ADLER Clean Möbelreiniger 96490
ADLER Clean-Möbelpflege Plus 7222000210

FURTHER DETAILS

Durability / storage



At least 6 months in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures.

Technical specifications

Delivery viscosity 48 - 51 s in accordance with DIN 53211 (6-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 use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).