

Bluefin Multilux HF

3852

Water-based, UV-curing furniture coating for industrial use
HF – high filling power

PRODUCT DESCRIPTION

General

Water-based, UV-curing clear coating for wood with pronounced physical flash-off drying. The product is characterised by good mechanical and chemical resistance, good transparency, excellent resistance to yellowing, good sag resistance on vertical surfaces and very good filling power.

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)
Flame treatment: 5-B (hardly inflammable furniture surface)



- **DIN 68861 (furniture surfaces)**
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 A 3800-1 (fire behaviour)**
In conjunction with a flame-retardant substrate:
flame-retardant, Q1, Tr 1



- **DIN 53160-1 and DIN 53160-2**
Perspiration and saliva-proof properties

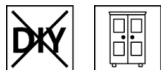


- **ÖNORM EN 71-3**
Safety of toys; migration of certain elements (free of heavy metals)



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

Application area



For coating surfaces that are subject to heavy wear in furniture and interior finishing, e.g. hotel and school facilities, kitchen and bathroom furniture. Areas of application II – IV in accordance with ÖNORM A 1610-12.

For hardly inflammable or flame-retardant coating systems.

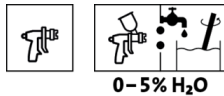
PROCESSING

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 Multilux HF (3852) is designed primarily for the “coat-on-coat” method. Applying two spraying coats with the appropriate intermediate sanding results in visually attractive and high-quality furniture surfaces.
- Various types of wood (e.g. Larch, various exotic types of wood) contain water-soluble substances, which become active when overcoating with water-based furniture coatings. To prevent discolouration or marking (which may vary in intensity depending on the wood’s origin), we therefore recommend pre-priming **extractive-rich woods** with **Bluefin Baselux (3810)** before coating. For the wood type **larch** we recommend **Aduro Primer (2523)** as a base-coat.
- Bluefin Multilux HF (3852) 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 coating.
- 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



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)		0,23 - 0,33	2,0
Spraying pressure (bar)		100 - 120	ca. 3- 4
Vaporizer Air (bar)	-	1 - 2	-
Diluent	Water		
Diluent amount added (%)		-	0 - 5
Applied quantity per application (g/m ²)	100 - 120		
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 conditions

Flashing off the water:

35 - 45 minutes	belt-type pallet drier (Rising temperature up to max. + 50 °C, air speed approx. 2 m/s)
or	
15 - 20 minutes	Flat channel dryer (Rising temperature up to max. + 50 °C, air speed approx. 2 m/s)

The mentioned system parameters are reference values, which must be coordinated with the respective plant. Drying depends on the substrate, layer thickness, temperature, air exchange, relative humidity, stacking pressure and stacking conditions.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

UV curing

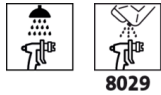


Feed 2 - 3 m/min (with one radiator)

UV high-performance radiator 80 - 120 W/cm

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

Cleaning the working equipment



8029

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

Hardwoods and softwoods

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

1 x Bluefin Multilux HF (3852)

Intermediate sanding



Manual sanding: Grit size 280 – 360

Machine sanding: Grit size 400 – 600

Avoid sanding straight through!

Remove sanding dust.

Topcoat

1 x Bluefin Multilux HF (3852)

CLEANING AND MAINTENANCE

Cleaning and Maintenance

Cleaning with Clean-Möbelreiniger (7202). Maintenance of surfaces with gloss level G30 and higher with Clean-Möbelpflege Plus (7222).

ORDERING INFORMATION

Size of trading unit

25 kg

More sizes on request.

Colour shades / Glosslevels

Bluefin Multilux HF G10 (3852000110)
 Bluefin Multilux HF G20 (3852000120)
 Bluefin Multilux HF G30 (3852000130)
 Bluefin Multilux HF G40 (3852000140)
 Bluefin Multilux HF G50 (3852000150)
 Bluefin Multilux HF G60 (3852000160)
 Bluefin Multilux HF G70 (3852000170)
 Bluefin Multilux HF G90 (3852000190)

Supplementary products

Aduro Primer (2523)
Aqua-Cleaner 8029 (8029)
Bluefin Baselux (3810)
Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)

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

FURTHER DETAILS**Durability / storage**

Min. 6 month(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Close opened containers well and use up the content as soon as possible.

Technical specifications

Delivery viscosity: 40 – 43 seconds according to DIN 53211
(6 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.
