

Bluefin Multilux Softmatt

3854

Water-based, UV-curing two-component topcoat for **furniture and interior finishing** for the **industry**

PRODUCT DESCRIPTION

General

Water-based, UV-curing transparent 2-component topcoat to preserve a natural character of untreated wood, having a satin-like feel (soft touch) and excellent scratch resistance. Very good covering of fingerprints despite the dull matt surface - anti-fingerprint finish.

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 (hardly inflammable furniture surface)
- **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)
- In combination with a hardly inflammable surface, e.g. materials of fire class A1 or A2, coatings based on Bluefin Multilux Softmatt 3854 are to be classified as **B-s2,d0** in accordance with **DIN EN 13501-1**. The complete coating system (carrier board / glue / veneer or foil) is always used to classify the reaction to fire.
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+



Application areas



- For the coating of furniture and interior finishing exposed to high levels of stress, such as tabletops and shelves in the kitchen and living area, bathrooms, offices and in the contract sector, fronts and permanently visible areas, surfaces used on seating furniture and not permanently visible areas. Application areas II – IV in accordance with ÖNORM A 1610-12.
- For open-pored coatings of surfaces in furniture and interior finishing, if the natural appearance of the respective wood type is to be preserved.
- Applicable as a topcoat on pigmented varnishes such as Pigmolux DC.

02-22 (supersedes 10-20) ZKL 3854

ADLER-Werk Lackfabrik, A-6130 Schwaz

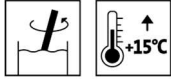
Phone: 0043/5242/6922-190, Fax: 0043/5242/6922-309, email: technical-support@adler-lacke.com

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

- The product is suitable for the coating of surfaces bleached with hydrogen peroxide.
- Please observe the relative technical data sheets of the products.

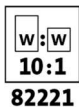
PROCESSING

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 is necessary.
- Bluefin Multilux Softmatt 3854 is designed above all for the "varnish-on-varnish" working method. Applying two spraying coats with the appropriate intermediate sanding results in visually attractive and high-quality furniture surfaces.
- Various types of wood such as Oak, Larch, etc. contain water-soluble substances, which become active when overcoating with water-based furniture coatings. 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 3810 000200. For larch we recommend PUR-Primer 25291 as a base-coat.
- Regarding wood stains that can be used under water-based UV paints, please contact your technical adviser.
- Please observe the relative technical data sheets of the products.
- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.

Blending ratio



10 parts by weight Bluefin Multilux Softmatt 3854
1 parts by weight of Aqua-PUR-Härter 82221

Aqua-PUR-Härter (hardener) must be incorporated carefully in the painting component by stirring. We recommend observing a waiting time of approx. 10 min. before processing.

Bluefin Multilux Softmatt can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life



2 hours at approx. 20 °C.

There is no recognizable end of the pot life. Increased temperatures reduce the pot life. A further extension of the pot life is not possible.

Application technique

Application method	Airless	Airmix, air-supported (Airmix, Aircoat, etc.)
Spray nozzle (ø mm)	0.23 - 0.33	0.23 - 0.33
Spraying pressure (bar)	100 – 120	100 - 120
Atomized air (bar)	-	1-2
Application quantity per application (g/m ²)	approx. 100 - 120	
Application quantity (g/m ²)	max. 450	

The product is ready to use.

The shape and properties 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:**

Belt pellet dryer (maximum temperature 50 °C)	35 - 45 min.
Flat channel drier (maximum temperature 50 °C, air-speed approx. 2 m/s)	15 - 20 min.

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.

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

UV curing

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

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

Cleaning the equipment**the working**

With water immediately after use.



To remove dried paint residues we recommend using Aqua-Cleaner 80080 (diluted 1:1 with water).

Belt cleaning and material-carrying lines: Clean-Smart B & P 8015000210

SUBSTRATE

Type of substrate Hard- and softwood

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 **Wood sanding:**
Hardwoods: grit size 150 - 180
Softwoods: grit size 100 – 150

COATING SYSTEM

Primer 1 x Bluefin Multilux Softmatt 3854 oder Bluefin Multilux U 3851 or surfaces coated with pigmented water-based UV-varnishes such as Pigmolux DC 3301 ff.

Intermediate sanding Manual grinding: grit size 280 – 360
 Mechanical grinding: grit size 400 – 600
 Avoid sanding straight through!



Topcoat 1 x Bluefin Multilux Softmatt 3854

CLEANING AND MAINTENANCE

Cleaning and maintenance Cleaning with Clean-Möbelreiniger 96490. Preservation with Clean-Möbelpflege Plus 7222.
 Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

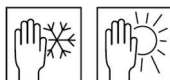
Size of trading unit 25 kg
 More sizes on request.

Colour shades / degrees of gloss Bluefin Multilux Softmatt 3854000105

Supplementary products	Bluefin Baselux	3810
	Bluefin Multilux U	3851
	Aqua-Cleaner 80080	
	Clean-Smart B & P 8015000210	
	Pigmolux DC	various qualities
	Clean Möbelreiniger 96490 Clean-Möbelpflege Plus 7222	

OTHER INSTRUCTIONS

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 35 ± 2 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).
