

Bluefin Multilux Softmatt

3854

Water-based, UV-curing two-component topcoat for **furniture and interior finishing for industrial use**

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 (difficult to ignite furniture surface)
- In combination with a hardly inflammable surface, e.g. materials of fire class A1 or A2, coatings based on ADLER 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.
- **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 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.

04-19 ZKL 3854

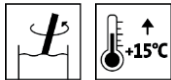
ADLER-Werk Lackfabrik, A-6130 Schwaz
Phone: 0043/5242/6922-301, Fax: 0043/5242/6922-309, email: technical-support@adler-lacke.com

Our instructions are based on the current knowledge and are intended to advise the buyer/user to the best of our knowledge. They must be, however, individually adapted to the application areas and conditions. The purchaser / user decides about the adequacy and use of the delivered product at his / her own risk, which is why we recommend that a sample piece be prepared to check the adequacy 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 modification of the container sizes, colour shades and degree of gloss.

- For open-pore coating of furniture surfaces and interior finishing, if the natural appearance of the respective wood type should be preserved.
- Applicable as a topcoat on pigmented varnishes such as ADLER Pigmolux DC.
- Suitable for surfaces bleached with hydrogen peroxide.
- Please observe the relative technical data sheets of the products.

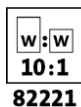
PROCESSING

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.
- 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 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 3810 000200**. For **larch** we recommend **ADLER 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 "**Working guidelines for water-based furniture varnishes**".

Blending ratio



100 parts by weight Bluefin Multilux Softmatt 3854 000105
10 parts by weight of ADLER Aqua-PUR-Härter 82221

ADLER 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



4 hours at approx. 20 °C. Higher temperature reduces the pot life.

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

Application technique

Application method	Airless	Airmix, air-supported (Airmix, Aircoat, etc.)
Spraying 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 (g/m ²)	approx. 100 - 120 per application; total quantity applied (primer and top coat) 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:**

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.

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

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 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 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 coat 1 x Bluefin Multilux Softmatt 3854 000105 or Bluefin Multilux U 3851 or surfaces coated with pigmented water-based UV-varnishes such as ADLER Pigmolux DC 3301 ff.

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!

Topcoat

1 x Bluefin Multilux Softmatt 3854 000105

CLEANING AND MAINTENANCE

Maintenance and renovation

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

25 kg
More sizes on request.

Colour shades / degrees of gloss

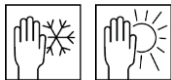
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Supplementary products

Bluefin Baselux	3810 000200
Bluefin Multilux U	3851
ADLER Aqua-Cleaner	80080
ADLER Bandreinigungslösung	80066
ADLER Pigmolux DC	3301 ff
ADLER Clean Möbelreiniger	96490
ADLER Clean-Möbelpflege Plus	7222 000210

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 35 ± 2 s in accordance with DIN 53211 (6-mm-cup, 20 °C)

Safety-relevant 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).