

Bluefin Multilux Softmatt

3854

Water-based, UV-curing 2C topcoat for furniture and interior finishing, for industrial use

PRODUCT DESCRIPTION

Product numbers

3854000105

General

Water-based, UV-curing 2C clear varnish for open-pore coatings where the aim is to retain the natural character of untreated wood with a velvety feel (soft touch) and excellent scratch resistance. Does a very good job of concealing fingerprints, despite the dull matt surface – anti-fingerprint properties.

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)



- **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)

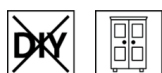


- **EN 13501-1 (fire behaviour)**
In combination with a hardly inflammable surface, e.g. materials of fire class A1 or A2: classification as B-s2,d0. The complete coating system (carrier board / glue / veneer or foil) is always used to classify the reaction to fire.



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

Application area



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 to IV in accordance with ÖNORM A 1610-12.

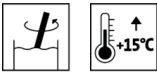
For coating furniture surfaces where the aim is to retain the natural appearance of the type of wood in question.

Can be used as a topcoat on pigment paints such as Pigmolux DC.

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.
- 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, various exotic woods, 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 woods rich in extractions** we recommend priming them first with **Bluefin Baselux (3810)**. For the wood type **larch** we recommend **Aduro Primer (2523)** as a base-coat.
- Regarding wood stains that can be used under water-based UV paints, please contact your technical adviser.
- 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



10 Part(s) by weight Bluefin Multilux Softmatt (3854)
1 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 Multilux Softmatt (3854) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life



2 hour(s) 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



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)
Spraying nozzle Ø (mm)	0,23 - 0,33	
Spraying pressure (bar)	100 - 120	
Vaporizer Air (bar)	-	1 - 2
Applied quantity per application (g/m²)	100 - 120	
Total quantity applied (g/m²)	max. 450	

The product is ready to use.

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

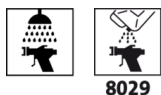
The mentioned system parameters are reference values, which must be coordinated with the respective plant. Drying depends, for example, on the type of wood, workpiece shape, layer thickness, temperature, air exchange, relative humidity, stacking pressure and stacking conditions.

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

UV curing

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

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 Aqua-Cleaner (8029) (diluted 1:1 with water).

Conveyor belts and material lines: Clean-Smart B&P (8015000210)

Heavily soiled material lines: Clean-Smart Gel (8060000210)

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 Softmatt (3854) or 1 x Bluefin Multilux U (3851) or with pigmented water-based UV paints such as surfaces painted with Pigmolux DC.

Intermediate sanding

Manual sanding: Grit size 280 – 360

Machine sanding: 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 (7202) and care with Clean-Möbelpflege Plus (7222).

ORDERING INFORMATION

Size of trading unit

25 kg
More sizes on request.

Supplementary products

Aduro Primer (2523)
Aqua-Cleaner 8029 (8029)
Bluefin Baselux (3810)
Bluefin Multilux U (3851)
Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)
Clean-Smart B&P (8015000210)
Clean-Smart Gel (8060000210)
Pigmolux DC various qualities
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).

Technical specifications

Delivery viscosity: 42 – 46 seconds according to DIN 53211
(6 mm measuring cup, 20 °C)

Safety information



The product is only suitable for industrial 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.