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Technical data sheet

Paint runs through our veins.

Bluefin Softmatt 3052

Water-based topcoat for **furniture and interior finishing** for **industrial and commercial use**

PRODUCT DESCRIPTION

General

Water-based, transparent 2-component acrylic clear coat for open-pore finishes to preserve the natural character of untreated wood with a velvety feel (soft touch) and excellent scratch resistance. Very good concealment of fingerprints despite the dull matt surface.

Special properties and standards

- **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)
- **declared product in baubook**
  Criteria of the "Baubook Ökologisch ausschreiben" fulfilled
- **French ordinance DEVL1104875A**
  Marking of construction coating products for their emission of volatile pollutants: A+

Application area

For lightly stressed/subordinate and normally stressed parts of the living area such as bedrooms and living rooms in furniture and interior fittings: Application areas III - IV in accordance with ÖNORM A 1610-12.

Applicable as a topcoat on pigmented varnishes such as Bluefin Pigmocryl NG.

Bluefin Softmatt (3052) is also applicable on veneered boards (softwood) „varnish on varnish“.

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.

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Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

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- 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. To prevent discolouration or marks (these can be more or less pronounced depending on the origin of the wood), when coating **oak, larch** and other types of wood rich in active substances we therefore recommend priming them first with Aduro Primer (2523).
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints are used.
- 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 Softmatt (3052)
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 Softmatt (3052) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

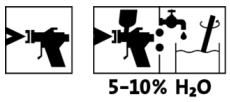
Pot life

4 hour(s) at approx. 20 °C

Increased temperatures reduce the pot life.

The paint/hardener mixture has not gellated after this time. A further extension of the pot life is not possible.

Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,23 - 0,33		1,8
Spraying pressure (bar)	100 - 120		2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	Water		
Diluent amount added (%)	-		5 - 10
Applied quantity per application (g/m²)	80 - 110		
Total quantity applied (g/m²)	max. 400*		

*(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.

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Drying times
(at 23 °C and 50 % rel. humidity)

Manipulable	approx. 5 hour(s)
Sandability “Varnish on varnish"	after drying approx. 12 hour(s)
Stackable	after drying approx. 12 hour(s)

The final feel of surface is obtained after about 2 days.

The figures given above are reference values. 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.

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).

SUBSTRATE

Type of substrate

Hard and softwood (solid wood-, veneer-, (coated) chipboard-, wood fibre boards)

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

Hardwoods: Wood sanding Grit size 180 – 220

Softwoods: Wood sanding Grit size 120 - 150

COATING SYSTEM

Primer coat

With colourless water-based furniture coatings such as Bluefin Resist (2963) or Bluefin Unistar (2965) or with pigmented water-based coatings such as Pigmocryl NG.

Bluefin Pigmocryl NG in various qualities (with or without filler layer, open-pored or closed-pored), drying time at room temperature of at least 12 hours to a maximum of 24 hours without intermediate sanding.

Intermediate sanding

Grit size 280 – 320

Avoid sanding straight through!

Topcoat

1 x Bluefin Softmatt (3052)

CLEANING AND MAINTENANCE

Cleaning and Maintenance

Cleaning with Clean-Möbelreiniger (7202).

ORDERING INFORMATION

Size of trading unit

4 kg, 20 kg

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Colour shades / Glosslevels	Bluefin Softmatt G05 (3052000105)
Supplementary products	Aduro Primer (2523) Aqua-Cleaner 8029 (8029) Aqua-Hardener 8451 (8451) Bluefin Resist (2963) Bluefin Unistar (2965) Clean-Möbelreiniger (7202) Bluefin Pigmocryl NG (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. Cool, but frost-free.
Technical specifications	Delivery viscosity: 80 – 100 seconds according to DIN 53211 (4 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.**

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