Pache SARL - 64 Route de Gravin, 74300 Magland
04 50 89 57 17 contact@pache-adler.fr
www.pache-adler.fr

Technical data sheet

ADLER
Paint runs through our veins.

Bluefin Top-Antiscratch 2960

Water-based, transparent **multi-layer coating** for **furniture and interior finishing** for **professional and industrial use**

PRODUCT DESCRIPTION

General

Water-based, highly resistant two-component multi-layer coating and spray coating for colourless and pigmented furniture coatings with excellent chemical resistance and good mechanical resistance, high surface hardness and excellent scratch resistance; good transparency, good sag resistance on vertical surfaces and excellent resistance to yellowing. Suitable as a multi-layer coating on, e.g. oak or spruce reclaimed wood for neutral grain enhancement on wood.

Special properties and standards

- **ÖNORM A 1605-12 (furniture surfaces)**
  Confirmed by an external test certificate.
  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 ≤ 1,5 N)
- **ÖNORM A 3800-1 (fire behaviour)**
  In conjunction with a flame-retardant substrate:
  flame-retardant, Q1, Tr 1
- **EN 13501-1 (fire behaviour)**
  Confirmed by an external test certificate.
  In combination with a non-combustible substrate, e.g. materials of fire class A1 or A2: classification as B-s1, d0. For the classification of the reaction to fire, the complete build-up (carrier board / glue / veneer or foil) is always taken into account.
- **SOLAS 74/88 Chapter II-2**
  Confirmed by an external test certificate.
  Highly non-combustible coating material for sea-going vessels.
- **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 hotel and school furnishings, kitchen and sanitary furniture (except worktops): application areas II - IV according to ÖNORM A 1610-12.

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ADLER-Werk Lackfabrik, A-6130 Schwaz
Fon: +43/5242/6922-190, Fax: +43/5242/6922-309, Mail: technical-support@adler-lacke.com

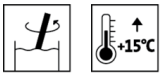
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied 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.

For "ring test"-resistant and therefore particularly scratch-resistant pigmented coating surfaces in furniture and interior finishing, especially tables, chairs, doors, etc.: Application area 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 Top-Antiscratch (2960) can slightly change the colour tone of surfaces painted with Bluefin Pigmocryl NG. Application quantity and intermediate drying time also influence the final colour shade. A possible intermediate sanding can noticeably change the final shade, which is why such a procedure is not recommended.
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints are used.
- 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 **larch** and other **extractive-rich woods** with **Aduro Primer (2523)** before coating.
- For coating of ship fittings, the following quantity will be required: 2 x 100 g/m² (wet) Bluefin Top-Antiscratch (2960).
- 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 Top-Antiscratch (2960)
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 Top-Antiscratch (2960) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life

5 hour(s)

Increased temperatures reduce the pot life.

Please only prepare as much material as can be used within the pot life.

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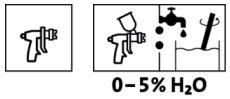
Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,23 - 0,33		1,8 - 2,0
Spraying pressure (bar)	100 - 120	60 - 90	2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	Water		
Diluent amount added (%)	-		0 - 5
Applied quantity per application (g/m²)	80 - 120		
Total quantity applied (g/m²)	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 times

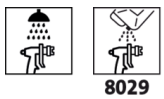
(at 23 °C and 50 % rel. humidity)

Can be painted over	4 hour(s)
Can be handled and stacked	12 hour(s)

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

The figures given above are reference values. Drying depends on the substrate, layer thickness, temperature, air exchange, relative humidity, stacking pressure and stacking conditions.

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 150 – 180

Softwoods: Wood sanding Grit size 100 – 150

COATING SYSTEM

Primer coat

Colourless: 1 x water-based furniture coatings such as Bluefin Top-Antiscratch (2960) or Bluefin Resist (2963)

Pigmented: 1 x water-based furniture coatings such as Bluefin Pigmocryl NG in a range of qualities.

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Intermediate sanding	Bluefin Top-Antiscratch (2960) or other transparent water-based furniture coatings: Sanding Grit size 280 – 320 Avoid sanding straight through! Surfaces coated with Bluefin Pigmocryl NG (various qualities) are to be recoated with Bluefin Top-Antiscratch (2960) after a drying time of at least 12 hours at room temperatue and for a maximum of 3 days without intermediate sanding.
Topcoat	1 x Bluefin Top-Antiscratch (2960)

MAINTENANCE AND RENOVATION

Cleaning and Maintenance	Cleaning with Clean-Möbelreiniger (7202) and care with Clean-Möbelpflege Plus (7222).

ORDERING INFORMATION

Size of trading unit	4 kg, 20 kg
Colour shades / Glosslevels	Bluefin Top-Antiscratch G05 (2960000105) Bluefin Top-Antiscratch G10 (2960000110) Bluefin Top-Antiscratch G30 (2960000130) Bluefin Top-Antiscratch G50 (2960000150) Bluefin Top-Antiscratch G70 (2960000170)
Supplementary products	Aduro Primer (2523) Aqua-Cleaner 8029 (8029) Aqua-Hardener 8451 (8451) Bluefin Resist (2963) Clean-Möbelpflege Plus (7222) Clean-Möbelreiniger (7202) Bluefin Pigmocryl NG (various qualities) Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage	Min. 1 year(s) in the original sealed containers. Cool, but frost-free. Close opened containers well and use up the content as soon as possible.
Technical specifications	Delivery viscosity: 90 – 110 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.**