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Technical data sheet

Paint runs through our veins.

Bluefin Step-Silent 2967

Water-based, squeak-free, slip-resistant **clear top coating** for **stair treads for professional and industrial use**

PRODUCT DESCRIPTION

General

Transparent, water-based, creak-free clear top coating for stair treads, applicable as a one- or two-component system, with slip-resistant properties; very good abrasion resistance, very good filling power, good block resistance, very good chemical resistance, good transparency, very good sag resistance on vertical surfaces, resistant to cream and grease (CFB)

Special properties and standards

- **ÖNORM C 2354**
  High usability is achieved if a casting application is done three times with respective intermediate sanding; the requirements of stress class A and B according to ÖNORM C 2354 are met; stress class C (when 2K processing)
- **ÖNORM Z 1261 (walkable surfaces)**
  Confirmed by an external test certificate.
  class I (> 0.44 µ), when dry
- **DIN 51130 (anti-slip property)**
  Confirmed by an external test certificate.
  0.30 – 0.45 µm dry.
- **BGR 181 and DIN 51130**
  Confirmed by an external test certificate.
  Meets the requirements of slip resistance class R9.
- **ÖNORM A 1605-12 (furniture surfaces)**
  Resistance to chemical reactions: for 1C-processing: 1-B, for 2C-processing: 1-B1
  Response to abrasion (for 1C- and 2C-processing): 2-C (≥ 150 U)
  Response to scratches: for 1C-processing: 4-E (≥ 0.9 N), for 2C-processing: 4-D (≥ 1.0 N)
- **ÖNORM A 3800-1 (fire behaviour)**
  In conjunction with a flame-retardant substrate: flame-retardant, Q1, Tr 1
- **AgBB-scheme 2018/2021 Committee for Health-related Evaluation of Building Products (AgBB)**
  When used properly in accordance with the technical data sheet, the product fulfils the requirements of AgBB scheme 2018/2021 Committee for Health-related Evaluation of Building Products (AgBB)

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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.

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

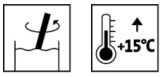
Application area

For spray coating of stair treads and wooden floorboards in trade and industry.

Makes surfaces slip-resistant and creak-free.

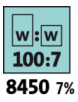
PROCESSING

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 Step-Silent (2967) can be used in a one or two-component process. We recommend **two-component processing** on account of the higher resistance and meeting the highest stress category C in accordance with ÖNORM C 2354.
- High usability is achieved if Bluefin Step-Silent (2967) + 7 % Aqua-Hardener 8450 (8450) is sprayed three times with respective intermediate sanding; the requirements of stress class C (particularly intense stress) according to ÖNORM C 2354 are met. The requirements of **Performance classes A and B** can be met using the product in the single-component version.
- 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.
- You should only use a roller to apply Bluefin Step-Silent (2967) on smaller surfaces and using a flocked foam roller.
- The more matt the surface finish, the more visible shiny marks from repeated mechanical stress to the coated surface will become.
- Creak-free providing the staircase is properly installed and built (construction, accuracy of fit, wood moisture).
- As regards creaking, **for recessed stair treads** we recommend using Bluefin Step-Silent as a single-component product or mixed with 3 % Aqua-Hardener 8450 (8450) and the coated components should be allowed to dry for at least 3 days - ideally 7 days - before constructing the staircase.
- In order to meet the **criteria for quality levels 1 - 4 of DGNB ENV1.2**, Bluefin Step-Silent (2967) should be hardened with 5% Aqua-Hardener 8456 (8456). Pot life: 6 hour(s)
- 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



100 Part(s) by weight Bluefin Step-Silent (2967)
7 Part(s) by weight Aqua-Hardener 8450 (8450000210)

Aqua-Hardener 8450 (8450000210) must be carefully worked into the product by stirring before processing.

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Pot life

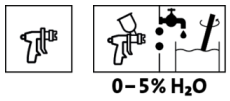
8 hour(s)

Increased temperatures reduce the pot life.

A further extension of the pot life is not possible.

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

Application technique



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

Sandable and recoatable:	approx. 3 hour(s)

The figures given above are reference values. Drying depends on the substrate, 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.

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using Clean Aqua-Cleaner (8029) (diluted 1:1 with water).

SUBSTRATE

Type of substrate

Hard and softwood (solid wood)

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

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COATING SYSTEM

Primer coat	1 – 2 x Bluefin Step-Silent (2967)
Intermediate sanding	After each primer coat: Grit size 240 – 320 Sanding straight through must be avoided, as this may lead to differences in the grain accentuation, which are further increased by yellowing with aging.
Topcoat	1 x Bluefin Step-Silent (2967)

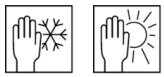
MAINTENANCE AND RENOVATION

Cleaning and Maintenance	Stairs should be cleaned from time to time with a cloth moistened with Clean-Möbelreiniger (7202). This allows stubborn dirt and scuff marks to be removed. Then wipe the surfaces dry. We would advise against the use of commercially available parquet care products to maintain your parquet flooring as they can make the floor very slippery and dangerous.

ORDERING INFORMATION

Size of trading unit	4 kg, 22 kg
Colour shades / Glosslevels	Bluefin Step-Silent G10 (2967000110) Bluefin Step-Silent G30 (2967000130) Bluefin Step-Silent G50 (2967000150)
Supplementary products	Aduro Primer (2523) Clean Aqua-Cleaner 8029 (8029) Aqua-Hardener 8450 (8450) Aqua-Hardener 8456 (8456) Clean-Möbelreiniger (7202) Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage 	Min. 1 year(s) in the original sealed containers. Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C). Close opened containers well and use up the content as soon as possible.
Technical specifications	Delivery viscosity: 1,400 (Brookfield spindle 4/20 rpm/2 min/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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