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Technical data sheet

Paint runs through our veins.

Metallic-Base 2403

Solvent-based, **2-component polyurethane metallic coating** for **furniture and interior finishing** for **professional and industrial use**

PRODUCT DESCRIPTION

General

Solvent-based polyurethane metallic coating for furniture surfaces. It provides very good mechanical and chemical resistance and excellent lightfastness.

Special properties and standards

- **ÖNORM A 1605-12A (furniture surfaces)**
  Resistance to chemical reactions: 1-B1
  Flame treatment: 5-B (highly non-flammable furniture surfaces)
- **DIN 68861 (furniture surfaces)**
  Part 1: Response to chemical stress: 1 B
- **ÖNORM A 3800-1 (fire behaviour)**
  In conjunction with a flame-retardant substrate:
  flame-retardant, Q1, Tr 1
- **French ordinance DEVL1104875A**
  Marking of construction coating products for their emission of volatile pollutants: A+

Application area

For creating high-quality metallic effects for furniture and all interior finishing projects, including kitchens and bathrooms, e.g. storage surfaces in kitchens and living rooms, bathrooms, offices and commercial settings, fronts and surfaces that are permanently visible, surfaces on chairs and seating that are subject to heavy wear and surfaces that are not permanently visible (excluding table tops): area of application with a suitable topcoat (e.g. Aduro Pigmotop (2514)) II to IV in accordance with ÖNORM A 1610-12.

Application in combination with a suitable topcoat system.

PROCESSING

Processing instructions

- Please stir product well before and during use.
- The temperature of the product and object, and the room temperature must be at least +10 C.
- Metallic-Base requires subsequent application of a suitable colourless topcoat.

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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.

- 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 131 - Working guidelines for PUR furniture paints.**

Blending ratio

10 Part(s) by weight Metallic-Base (2403)
1 Part(s) by weight PUR-Hardener 8419 (8419000210)

Metallic-Base (2403) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life

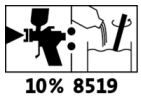
8 hour(s)

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

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

Application technique



	Cup gun
Spraying nozzle Ø (mm)	1,8
Spraying pressure (bar)	2 - 3
Diluent	DD-Verdünner 8519
Diluent amount added (%)	10
Viscosity 4-mm-cup (s)	18
Applied quantity per application (g/m²)	100 - 120
Total quantity applied (g/m²)	max. 450

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.

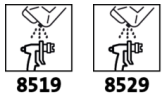
Drying times

(at 23 °C and 50 % rel. humidity)

Flash off between coats	2 - 5 minutes
Recoatable at room temperature	1 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.

Cleaning the working equipment



With DD-Verdünner 8519 (8519) or PUR-Verdünner 8529 (8529) immediately after use.

SUBSTRATE

Type of substrate

Solid wood, chipboard or wood fibre materials suitable for opaque coating, veneered or coated with priming film.

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

sanding with grit size 150 - 180

Carrier plates coated with priming film: Grit size 180 - 240

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COATING SYSTEM

Primer coat	**For closed-pore coating surfaces** **Carrier plates coated with priming film:** (sharp sanding of the film with 240 grit) 1 x Aduro Spritzfüller (2410) or Aduro Ecofill (2416) is advantageous **Solid wood, raw chipboard or chipboard panels veneered with blind veneer:** 2 x Aduro Spritzfüller (2410) Intermediate sanding Grit size 280 – 360 **MDF panels:** 1 x insulated with Aduro Isoliergrund (2502) or Aduro Legnopur (2513) 1 – 2 x Aduro Spritzfüller (2410) Intermediate sanding Grit size 280 – 360 The listed substrates are coated with Pigmopur G50 (2406) in a colour shade matching the intended metallic effect and, within 24 hours of applying Pigmopur, overcoated with Metallic-Base (2403) without intermediate sanding. **For open-pore coating surfaces** Wood sanding Grit size 180 Thoroughly remove sanding dust, especially from the wood pores. 1 x Pigmopur G50 (2406) in the desired colour Drying overnight at room temperature. Intermediate sanding Grit size 320 Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion!
Effect coating	Apply a smooth and flowing coat of Metallic-Base (2403) from 4 sides using a cup gun, avoiding over-saturation
Topcoat	Intermediate drying time: approx. 1 hour(s) No intermediate sanding. 1 x 80 – 100 g/m² Aduro Pigmotop (2514) in the desired gloss level

ORDERING INFORMATION

Size of trading unit	1 kg, 4 kg
Colour shades	Metallic-Base (25834) To achieve different colour shades, Metallic-Base (2403) can be tinted with up to 10% Pigmopur G50 (2406).
Supplementary products	Aduro Ecofill (2416) Aduro Isoliergrund (2502) Aduro Legnopur (2513) Aduro Pigmotop (2514) Aduro Spritzfüller (2410) DD-Verdünner 8519 (8519) Pigmopur G50 (2406) PUR-Hardener 8419 (8419) PUR-Verdünner 8529 (8529) Please refer to the corresponding technical data sheets of the products.

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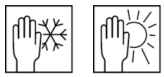
FURTHER DETAILS

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: 22 – 28 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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