

# Technical data sheet

## 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.

- 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



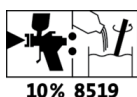
8 hour(s)

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/m <sup>2</sup> )	100 - 120
Total quantity applied (g/m <sup>2</sup> )	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

## 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/m<sup>2</sup> 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).

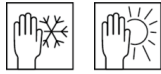
### Supplementary products

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.

## 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](http://www.adler-lacke.com).

PACHE SARL