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Technical data sheet

Paint runs through our veins.

Aduro High-Gloss 2634

Solvent-based **colourless 2C polyurethane high gloss varnish** for **furniture and interior finishing**, for use in **industry and trade**

PRODUCT DESCRIPTION

Product numbers

2634000100

General

Solvent-based, colourless 2C polyurethane topcoat for furniture for high gloss coating systems. Fast drying, high degree of gloss and outstanding luminance, very good mechanical and chemical resistance, very good filling performance; can be polished and brushed.

Special properties and standards

- **ÖNORM A 1605-12 (furniture surfaces)**
  Resistance to chemical reactions: 1-B1
  Response to abrasion: 2-D (≥ 50 U)
  Response to scratches: 4-E (≥ 0.5 N)
  Flame treatment: 5-B (highly non-flammable furniture surfaces)
- **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 E (> 0.5 to ≤ 1.0 N)
- **ÖNORM A 3800-1 (fire behaviour)**
  In conjunction with a flame-retardant substrate:
  flame-retardant, Q1, Tr 1
- **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 normal levels of stress, such as tabletops and shelves in the home, fronts and permanently visible areas, surfaces used on seating furniture and not permanently visible areas: Application areas III – IV according to ÖNORM A 1610-12. Application in combination with a suitable primer system.

For hardly inflammable or flame-retardant coating systems.

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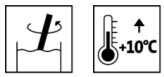
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied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

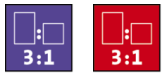
PROCESSING

Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +10 C.
- Considerably increased temperature and/or low atmospheric humidity will accelerate the drying, whereby flow and degasification can be negatively influenced. In these cases we recommend the addition of 10 % Verzögerer Pigmopur Gloss NG (8131) in place of DD-Verdünner 8519 (8519).
- 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 observe our **ARL 131 - Working guidelines for PUR furniture paints** and the **ARL 133 - working guidelines for the colourless high gloss paint.**

Blending ratio



8420 **8419**

3 Part(s) by weight Aduro High-Gloss (2634)
1 Part(s) by weight PUR-Hardener 8420 S (8420000210)

When used on surfaces bleached with hydrogen peroxide, Aduro High-Gloss (2634) must be hardened with PUR-Hardener 8419 (8419).

3 weight part(s) Aduro High-Gloss (2634)
1 weight part(s) PUR-Hardener 8419 (8419000210)

Aduro High-Gloss (2634) 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)

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique

0 – 10% 8519

	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,23 - 0,28	1,5 - 1,8
Spraying pressure (bar)	100	2,5 - 3,0
Vaporizer Air (bar)	1,5	-
Diluent	DD-Verdünner 8519 (8519)	
Diluent amount added (%)	-	0 - 10
Viscosity 4-mm-cup (s)	13	
Applied quantity per application (g/m²)	80 - 100	

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)

Recoatable	10 minutes
Manipulable	12 hour(s)
Sandable and buffable	min. 24 hours to max. 3 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.

Cleaning the working equipment

With DD-Verdünner 8519 (8519) or Waschverdünner (8501) immediately after use.

COATING SYSTEM

Primer coat

Colourless:

Aduro Füllgrund HT (2530)

Intermediate sanding Grit size 280 – 360

Pigmented:

Pigmopur G50 (2406) in the desired colour (with primer coat, closed pore), drying time at room temperature
min. 1 hour to max. 8 hours without intermediate sanding.

Intermediate sanding

Colourless:

Step grind 360 / 500 / 600

Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion!

Pigmented:

On Pigmopur G50 (2406) Aduro High-Gloss (2634) is applied without intermediate sanding.

Intermediate drying: max. 8 hour(s)

Topcoat

2 x Aduro High-Gloss (2634)

No intermediate sanding.

Intermediate drying: approx. 10 - 30 minutes

Finishing treatment (sanding, polishing, buffing)

The resulting surfaces can be easily buffed and polished after at least 24 hours (max. 3 days) of drying at room temperature.

CLEANING AND MAINTENANCE

Cleaning and Maintenance

Cleaning with Clean-Möbelreiniger (7202).

ORDERING INFORMATION

Size of trading unit

3 kg, 18 kg

Supplementary products

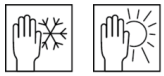
Aduro Füllgrund HT (2530)
Clean-Möbelreiniger (7202)
DD-Verdünner 8519 (8519)
Pigmopur G50 (2406)

PUR-Hardener 8419 (8419)
PUR-Hardener 8420 S (8420)
Verzögerer Pigmopur Gloss NG (8131)

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).

Technical specifications

Delivery viscosity: 12 – 14 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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