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Technical data sheet

Paint runs through our veins.

Pigmopur Gloss NG 2419

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

PRODUCT DESCRIPTION

General

Solvent-based, pigmented 2C polyurethane furniture paint for high gloss coating systems. Fast drying, high degree of gloss and outstanding luminance, very good mechanical and chemical resistance, very good filling performance.

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)
- **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, bedroom suite and living room furniture: application areas III to IV according to 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 +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.

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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.

- Please follow our **ARL 131 - Working guidelines for PUR furniture coatings** and **ARL 134 - Working guidelines for high-gloss coating of coloured opaque coatings.**

Blending ratio

8434

1 Part(s) by weight Pigmopur Gloss NG (2419)
1 Part(s) by weight PUR-Hardener 8434 (8434000210)

Pigmopur Gloss NG (2419) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life

3 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	1,4 - 1,7
Spraying pressure (bar)	90 - 120	2,5 - 3,0
Vaporizer Air (bar)	1,5 - 2,5	-
Diluent	DD-Verdünner 8519	
Diluent amount added (%)	-	0 - 10
Viscosity 4-mm-cup (s)	17	16
Applied quantity per application (g/m²)	100 - 130	

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)

Recoatable	1 h
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

8519 8501

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

SUBSTRATE

Type of substrate

Solid wood, chipboard or wood fibre materials suitable for opaque varnishing, 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.

COATING SYSTEM

Primer coat	**For closed-pore surfaces** **Carrier plates coated with priming film:** (sharp sanding of the film with 240 grit) / a single spray application with PUR-Ecofill (2416) or Aduro Ecofill Smart (2317) is beneficial. **Solid wood or chipboard panels veneered with blind veneer (e. g. beech):** 2 - 3 x primed with PUR-Ecofill (2416) or Aduro Ecofill Smart (2317) Intermediate sanding Grit size 280 – 360 **MDF panels:** insulated with Aduro Isoliergrund (2502) or Aduro Legnopur (2513) 2 - 3 x primed with PUR-Ecofill (2416) or Aduro Ecofill Smart (2317) Intermediate sanding Grit size 280 – 360 Alternatively, PUR-Ecofill (2416) or Aduro Ecofill Smart (2317) can be used directly on MDF boards of good quality and with a high moulded density (e.g. on 19-mm boards greater than 700 kg/m³).
Intermediate sanding	Grit size 360 – 500 Remove sanding dust. Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion!
Topcoat	2 x Pigmopur Gloss NG (2419) in the desired colour No intermediate sanding. Intermediate drying time: at least 1 hour(s), max. 5 hour(s).
Finishing treatment (sanding, polishing, buffing)	After drying for 24 hours at room temperature, the resulting surfaces can be brushed and polished without an issue. For good stability we recommend a drying time of 3 days before buffing and polishing.

CLEANING AND MAINTENANCE

Cleaning and Maintenance	Cleaning with Clean-Möbelreiniger (7202).

ORDERING INFORMATION

Size of trading unit	1 kg, 4 kg, 20 kg
Colour shades / Glosslevels	**Standard colour(s):** Weiß Basis W5 (2419000005) Schwarz (2419500001) RAL9010 Reinweiß (2419009010) **Base paint(s):** Pigmopur Gloss NG W10 Weiß, tönbar (2419000010) Pigmopur Gloss NG Basis W30 (2419000030) RAL-shades, NCS-shades, etc. are available as special productions. In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface.

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It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.

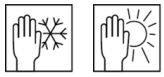
Supplementary products

Aduro Ecofill Smart (2317)
Aduro Legnopur (2513)
Clean-Möbelreiniger (7202)
DD-Isoliergrund (25103)
DD-Verdünner 8519 (8519)
PUR-Ecofill (2416)
PUR-Hardener 8434 (8434)
Verzögerer Pigmopur Gloss NG (8131)
Waschverdünner 8501 (8501)

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: 17 second – 30 second 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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