Pache SARL - 64 Route de Gravin, 74300 Magland
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Technical data sheet

Paint runs through our veins.

Aduro Naturmatt 2525

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

PRODUCT DESCRIPTION

Product numbers	2525000105
General	Fast-drying 2C polyurethane clear varnish formulated with acrylate resin, for retaining the natural character of untreated wood. Very good chemical and good mechanical resistance, elegant matt effect, muted grain accentuation and attractive open-pore pattern. Can be applied using the "varnish on varnish" method.
Special properties and standards	• **ÖNORM A 1605-12 (furniture surfaces)** **Confirmed by an external test certificate.** Resistance to chemical reactions: 1-B1 Response to abrasion: 2-D (≥ 50 U) Response to scratches: 4-D (≥ 1.0 N) • **DIN 68861 (furniture surfaces)** **Confirmed by an external test certificate.** 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) • **EN 13501-1 (fire behaviour)** **Confirmed by an external test certificate.** In combination with a non-combustible substrate, e.g. materials of fire class A1 or A2: classification as B-s1, d0. For the classification of the reaction to fire, the complete build-up (carrier board / glue / veneer or foil) is always taken into account. • **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. Due to the dull matt surface effect not suitable for surfaces that are exposed to constant scratching or abrasion (danger of glossy surfaces). Suitable for the coating of surfaces bleached with hydrogen peroxide.

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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.

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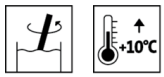
PROCESSING

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.
- Aduro Naturmatt (2525) already contains an optimum amount of light stabilizers as protection against yellowing, no further addition is permitted.
- Due to the dull matt surface effect and the high percentage of matting agents we do not recommend the coating of dark wood or dark stained wood.
- 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

8429 10%

10 Part(s) by weight Aduro Naturmatt (2525)
1 Part(s) by weight PUR-Hardener 8429 (8429000210)

Aduro Naturmatt (2525) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

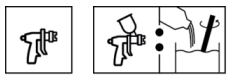
Pot life

8 hour(s)

Mixed material can be used one more working day, but must be mixed 1:1 with freshly hardened material.

A further extension of the pot life is not possible.

Application technique



5% 8519

	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,23 - 0,33		1,8
Spraying pressure (bar)	100 - 120		2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	DD-Verdünner 8519 (8519)		
Diluent amount added (%)	-		5
Viscosity 4-mm-cup (s)	22		18
Applied quantity per application (g/m²)	80 - 120		
Total quantity applied (g/m²)	max. 250		

The product is ready to use.

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.

For good thorough drying, the recommended application quantities must be adhered to. Excessive layer thicknesses lead to a considerable drying delay!

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Drying times
(at 23 °C and 50 % rel. humidity)

Sandable and recoatable	1 hour(s)
Manipulable and stackable	12 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 Waschverdünner (8501) immediately after use.

SUBSTRATE

Type of substrate

Hard and softwood (solid wood-, veneer-, (coated) chipboard-, wood fibre boards)

Please follow our **ARL 130 - Working guidelines for coating various types of wood with solvent-based two-component PUR coatings.**

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: Grit size 150 - 180
Softwoods: Grit size 100 - 150

COATING SYSTEM

Primer coat

1 x Aduro Naturmatt (2525)

Intermediate sanding

Sand the primed surface with grit size 240 – 320.

Remove sanding dust.

Avoid sanding straight through!

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

Topcoat

1 x Aduro Naturmatt (2525)

CLEANING AND MAINTENANCE

Cleaning and Maintenance

Cleaning with Clean-Möbelreiniger (7202).

For very matt furniture surfaces, we strongly advise against the use of furniture care products such as oils, balms or polishes, as this can lead to glossy effects.

ORDERING INFORMATION

Size of trading unit

4 kg, 20 kg

More sizes on request.

Supplementary products

Clean-Möbelreiniger (7202)
DD-Verdünner 8519 (8519)

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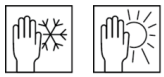
PUR-Hardener 8429 (8429)
Waschverdünner 8501 (8501)

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).

Close opened containers well and use up the content as soon as possible.

Technical specifications

Delivery viscosity: 24 – 26 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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