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

Paint runs through our veins.

Aduro Legnopur 2513

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

PRODUCT DESCRIPTION

General

Solvent-based 2C polyurethane clear varnish for furniture, free from aromatic hydrocarbons and formulated with acrylate resin, offering very good mechanical and chemical resistance, very good filling performance, a long pot life, good grain accentuation and an attractive pore pattern. Stand-out features of this product include very good resistance to yellowing and optimal light protection for wood and stains on account of its UV filters. Suitable for the "varnish on varnish" method.

Special properties and standards

- **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 D (> 1,0 to ≤ 1,5 N)
- **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)
  Flame treatment: 5-B (hardly inflammable furniture surface)
- **ÖNORM A 3800-1 (fire behaviour)**
  Confirmed by an external test certificate.
  In conjunction with a flame-retardant substrate:
  flame-retardant, Q1, Tr 1.
- **DIN 4102-B1 (fire-retardant)**
  Confirmed by an external test certificate.
  In conjunction with flameretardant laminated plywood – even veneered – and in conjunction with Legnopur, Aduro Vento or Pigmopur.
  General building inspection test certificate MPA Stuttgart:
  Legnopur: P-BWU03-I-16.5.234
  Aduro Vento: P-BWU03-I-16.5.448
  Pigmopur: P-BWU03-I-16.5.371
- **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.
- **SOLAS 74/88 Chapter II-2**
  Confirmed by an external test certificate.
  Highly non-combustible coating material for sea-going vessels.

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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.

- **ISO 10993-5 Toxicity test**
  Confirmed by an external test certificate.
  Not cytotoxic.
- **DIN 53160-1 and DIN 53160-2**
  Perspiration and saliva-proof properties
- **ÖNORM EN 71-3**
  Confirmed by an external test certificate.
  Safety of toys; migration of certain elements (free of heavy metals).
- **French ordinance DEVL1104875A**
  Confirmed by an external test certificate.
  Marking of construction coating products for their emission of volatile pollutants: A+

Application area

For the coating of furniture and interior finishing exposed to high levels of stress, such as tabletops and shelves in the kitchen and living area, bathrooms, offices and in the contract sector, fronts and permanently visible areas, surfaces used on seating furniture and not permanently visible areas. Application areas II to IV in accordance with ÖNORM A 1610-12.

For hardly inflammable or flame-retardant coating systems.

Suitable for the coating of surfaces bleached with hydrogen peroxide.

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.
- 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 Aduro Legnopur (2513)
1 Part(s) by weight PUR-Hardener 8419 (8419000210)

Aduro Legnopur (2513) 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

10% 8519

	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun	Curtain coater
Spraying nozzle Ø (mm)	0,23 - 0,28		1,8	-
Spraying pressure (bar)	100 - 120		3 - 4	-
Vaporizer Air (bar)	-	1 - 2	-	
Diluent	DD-Verdünner (8519) / PUR-Verdünner (8529)			
Diluent amount added (%)	-		10	-

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Viscosity 4-mm-cup (s)	25	18	25
Applied quantity per application (g/m²)	ca. 100 - 150		
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)

Can be painted over	2 hour(s)
Can be handled and stacked	12 hour(s)

In order to improve the firmness of the subsequent coating, we recommend drying overnight at room temperature.

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)

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

Wood sanding

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

Remove sanding dust.

COATING SYSTEM

Primer coat

1 x Aduro Legnopur (2513)

Intermediate sanding

Sand the primed surface with grit size 240 – 320.

Avoid sanding straight through!

Remove sanding dust.

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

Topcoat

1 x Aduro Legnopur (2513)

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CLEANING AND MAINTENANCE

Cleaning and Maintenance

Cleaning with Clean-Möbelreiniger (7202) and care with Clean-Möbelpflege Plus (7222).

ORDERING INFORMATION

Size of trading unit

4 kg, 20 kg

More sizes on request.

Colour shades / Glosslevels

Aduro Legnopur G10 (2513000110)
Aduro Legnopur G30 (2513000130)
Aduro Legnopur G50 (2513000150)
Aduro Legnopur G70 (2513000170)
Aduro Legnopur G90 (2513000190)

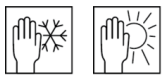
Supplementary products

Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)
DD-Verdünner 8519 (8519)
PUR-Hardener 8419 (8419)
PUR-Verdünner 8529 (8529)
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: 30 – 33 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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