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

Paint runs through our veins.

Aduro Antiscratch 2517

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

PRODUCT DESCRIPTION

General

High-quality 2C polyurethane clear varnish formulated with acrylate resin, with very good mechanical and chemical resistance; extremely high degree of surface hardness and outstanding scratch resistance due to the use of new, innovative raw materials; free from aromatic solvents. The product is lightfast and contains an optimal UV filter to give light protection to wood and stains. Suitable for 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)
  Flame treatment: 5-B (hardly inflammable furniture surface)

- **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 3800-1 (fire behaviour)**
  In conjunction with a flame-retardant substrate:
  flame-retardant, Q1, Tr 1

- **DIN 53160-1 and DIN 53160-2**
  Perspiration and saliva-proof properties

- **ÖNORM EN 71-3**
  Safety of toys; migration of certain elements (free of heavy metals)

- **French ordinance DEVL1104875A**
  Marking of construction coating products for their emission of volatile pollutants: A+

Application area

For the production of very scratch-resistant coatings for furniture and interior finishing.

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.

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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.
- Can be used as a top coat on pigment paints such as Pigmopur G50 (2406) (drying time ADLER Pigmopur at room temperature of at least 8 to at most 24 hours without intermediate sanding).
- Can be used both as a multi-coat paint for coat-on-coat work and as a spray paint for paint systems such as Aduro Legnopur (2513), Aduro Vento (2660) or Pigmopur (2406).
- Aduro Antiscratch G05 (2517000105) is not recommended for dark or dark stained woods or as spray paint for Pigmopur G50 (2406).
- 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

8419 10%

10 Part(s) by weight Aduro Antiscratch (2517)
1 Part(s) by weight PUR-Hardener 8419 (8419000210)

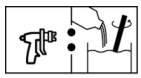
Aduro Antiscratch (2517) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life

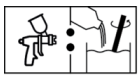
8 hour(s)

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



5–10%



10–15%

	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) / PUR-Verdünner (8529)		
Diluent amount added (%)	5 - 10* 0**		10 - 15* 0 - 5**
Applied quantity per application (g/m²)	100 - 150		
Total quantity applied (g/m²)	max. 450		

* Gloss level G10 - G70
** Gloss level G05

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)

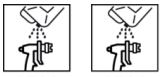
Manipulable and stackable	2 hour(s)
Manipulable and stackable	12 hour(s)
Final hardness and scratch resistance	48 hour(s)

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.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

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

Hardwoods: Grit size 150 - 180
Softwoods: Grit size 120 - 150

COATING SYSTEM

Primer coat

1 x Aduro Antiscratch (2517)

Alternatively also another ADLER two-component polyurethane furniture coating, like e.g. Aduro Legnopur (2513) or Aduro Vento (2660) can be used as primer coat. Pigmopur G50 (2406) (with corresponding coating system) only for gloss level G10 and higher.

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 Antiscratch (2517)

CLEANING AND MAINTENANCE

Cleaning and Maintenance

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

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ORDERING INFORMATION

Size of trading unit

4 kg, 20 kg

Colour shades / Glosslevels

Aduro Antiscratch G05 (2517000105)
Aduro Antiscratch G10 (2517000110)
Aduro Antiscratch G30 (2517000130)
Aduro Antiscratch G50 (2517000150)

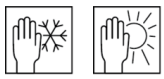
Supplementary products

Aduro Legnopur (2513)
Aduro Vento (2660)
DD-Verdünner 8519 (8519)
Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)
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 G05: 26 – 28 seconds according to DIN 53211
(4 mm measuring cup, 20 °C)

Delivery viscosity G10 - G70: 26 – 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.**

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