Pache SARL - 64 Route de Gravin, 74300 Magland
04 50 89 57 17 contact@pache-adler.fr
www.pache-adler.fr

Technical data sheet

Paint runs through our veins.

Aduro Strong 2528

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

PRODUCT DESCRIPTION

General

High-quality polyurethane clear varnish formulated with acrylate resin. Very good mechanical and chemical resistance, especially suitable for interior surfaces that are subject to heavy wear, very good filling performance, good grain accentuation, outstanding resistance to yellowing.

Special properties and standards

- **ÖNORM A 1605-12 (furniture surfaces)**
  Resistance to chemical reactions: 1-B1
  Response to abrasion: 2-C (≥ 150 U)
  Response to scratches: 4-D (≥ 1.0 N)
  Flame treatment: 5-B (highly non-flammable furniture surfaces)
- **DIN 68861 (furniture surfaces)**
  Part 1: Response to chemical stress: 1B
  Part 2: Response to Abrasion: 2 C (> 150 to ≤350 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
- **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 high levels of stress, for steps (depending on country-specific legal guidelines), for hotel- and school furnishings, for kitchen- and sanitary furniture: application areas II – 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.
- For the coating of stairs, we recommend three spraying applications in order to achieve a sufficient layer thickness.

ADLER-Werk Lackfabrik, A-6130 Schwaz
Fon: +43/5242/6922-190, Fax: +43/5242/6922-309, Mail: technical-support@adler-lacke.com

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.

- 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

5 Part(s) by weight Aduro Strong (2528)
1 Part(s) by weight PUR-Hardener 8429 (8429000210)

Aduro Strong (2528) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

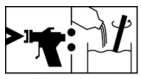
Pot life

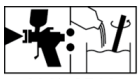
8 hour(s)

Mixed material from the previous day must be mixed 1:1 with freshly hardened material. A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique


5% 8519


10% 8519

	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,23 - 0,28		1,8
Spraying pressure (bar)	80 - 120		2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	DD-Verdünner (8519) / PUR-Verdünner (8529)		
Diluent amount added (%)	5		10
Viscosity 4-mm-cup (s)	24		18
Applied quantity per application (g/m²)	100 - 150		
Total quantity applied (g/m²)	max. 500		

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)

Sandable and recoatable	4 hour(s)
Manipulable and stackable	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

8519

8501

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

PACHE sarl

SUBSTRATE

Type of substrate	Solid wood and wooden veneer on adequate carrier plates. Please follow our **ARL 131 - Working guidelines for PUR furniture paints.**
Substrate property	The substrate must be dry, clean, capable of holding the paint, and it must be free of grease and wax and free from wood dust.
Substrate preparation	**Hardwoods:** Wood sanding Grit size 150 – 180 **Softwoods:** Wood sanding Grit size 100 – 150 Thoroughly remove sanding dust, especially from the wood pores.

COATING SYSTEM

Primer coat	1 x Aduro Strong (2528)
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! During sanding use P2 / P3 dust filter.
Topcoat	1 – 2 x Aduro Strong (2528)

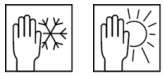
CLEANING AND MAINTENANCE

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

ORDERING INFORMATION

Size of trading unit	4 kg, 20 kg, 180 kg
Colour shades / Glosslevels	Aduro Strong G10 (2528000110) Aduro Strong G30 (2528000130) Aduro Strong G50 (2528000150) Aduro Strong G70 (2528000170)
Supplementary products	Clean-Möbelpflege Plus (7222) Clean-Möbelreiniger (7202) DD-Verdünner 8519 (8519) PUR-Hardener 8429 (8429) 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: 28 – 32 seconds according to DIN 53211 (4 mm measuring cup, 20 °C)

PACHE Sarl

Pache SARL - 64 Route de Gravin, 74300 Magland
04 50 89 57 17 contact@pache-adler.fr
www.pache-adler.fr

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.**

PACHE sarl