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Technical data sheet

Paint runs through our veins.

Aduro Tiropur 2548

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

PRODUCT DESCRIPTION

General

Fast-drying polyurethane clear varnish for furniture surfaces. Very good mechanical and chemical resistance, good grain accentuation, good filling performance and attractive pore pattern.

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

Application area

For coating heavily used surfaces in furniture and interior fittings, including kitchen and sanitary areas. Application areas II - IV according to ÖNORM A 1610-12.

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 Tiropur (2548)
1 Part(s) by weight PUR-Hardener 8419 (8419000210)

Aduro Tiropur (2548) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

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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.

Pot life

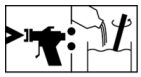
8 hour(s)

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.

Please only prepare as much material as can be used within the pot life.

Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,23 - 0,28		1,8
Spraying pressure (bar)	100 - 120		2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	DD-Verdünner (8519) / PUR-Verdünner (8529)		
Diluent amount added (%)	0 - 10		10 - 15
Viscosity 4-mm-cup (s)	25		18
Applied quantity per application (g/m²)	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)

Sandable and recoatable	1 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

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 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

PACHE sarl

Thoroughly remove sanding dust, especially from the wood pores.

COATING SYSTEM

Primer coat

1 x Aduro Tiropur (2548)

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 Tiropur (2548)

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

More sizes on request.

Colour shades / Glosslevels

Aduro Tiropur G10 (2548000110)
Aduro Tiropur G30 (2548000130)
Aduro Tiropur G50 (2548000150)
Aduro Tiropur G70 (2548000170)

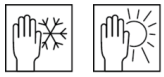
Supplementary products

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. 2 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: 33 – 37 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.**

PACHE Sarl