

Aduro Ratiopur

2526

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

PRODUCT DESCRIPTION

General

Fast drying solvent-based 2C polyurethane clear varnish for furniture, free from aromatic hydrocarbons. Very good mechanical and chemical resistance, very good filling performance, long pot life, good grain accentuation and attractive pore pattern. " varnish on varnish method" can be used.

Special properties and standards



- **ÖNORM A 1605-12 (furniture surfaces)**
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 $\leq 1,5$ 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

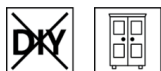


- **ÖNORM EN 71-3**
Safety of toys; migration of certain elements (free of heavy metals)



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

Application area



For coating surfaces that are subject to heavy wear in furniture and interior finishing, e.g. hotel and school facilities, kitchen and bathroom furniture. Areas of application 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.
- 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 Ratiopur (2526)
1 Part(s) by weight PUR-Hardener 8419 (8419000210)

Aduro Ratiopur (2526) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life

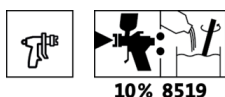


8 hour(s)

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



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,23 - 0,28		1,8
Spraying pressure (bar)	100 - 120		3 - 4
Vaporizer Air (bar)	-	1 - 2	-
Diluent	DD-Verdüner (8519) / PUR-Verdüner (8529)		
Diluent amount added (%)	-		10
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	2 h
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-Verdünnung 8519 (8519) or Waschverdünnung (8501) immediately after use.

SUBSTRATE

Type of substrate

Solid wood and wooden veneer on adequate carrier plates.

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 Ratiopur (2526)

Intermediate sanding



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 x Aduro Ratiopur (2526)

CLEANING AND MAINTENANCE

Cleaning and Maintenance

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

ORDERING INFORMATION

Size of trading unit

20 kg

Colour shades / Glosslevels

Aduro Ratiopur G10 (2526000110)

Aduro Ratiopur G30 (2526000130)

Aduro Ratiopur G50 (2526000150)

Supplementary products

Clean-Möbelpflege Plus (7222)

Clean-Möbelreiniger (7202)

DD-Verdünnung 8519 (8519)

PUR-Hardener 8419 (8419)

PUR-Verdünnung 8529 (8529)

Waschverdünnung 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).

Technical specifications

Delivery viscosity: 28 second – 30 second 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.