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Technical data sheet

Paint runs through our veins.

Aduro Primer 2523

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

PRODUCT DESCRIPTION

Product numbers

2523000210

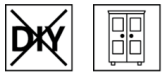
General

Fast-drying, 2C PUR base coat with good filling performance, formulated with acrylate resin, offering very good grain accentuation and good sandability. Can be recoated with water-based paints or varnishes. The product roughens up the surface of the wood to a lesser degree than with water-based base coats; this means less work during intermediate sanding. Water soluble substances in the wood (e.g. with woods with a high tannin content such as oak or larch) are not activated by Aduro Primer; the associated problems of discoloration do not therefore arise. Contains light stabilisers.

Special properties and standards

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

Application area



Primer for transparent coating structures in furniture and interior finishing.

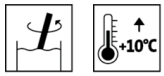
Suitable for the coating of surfaces bleached with hydrogen peroxide.

Application in combination with a suitable topcoat system.

The area of application depends on the processing of the product and the topcoat system selected.

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.**

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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.

Blending ratio

10 Part(s) by weight Aduro Primer (2523)
1 Part(s) by weight PUR-Hardener 8419 (8419000210)

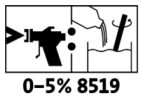
Aduro Primer (2523) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

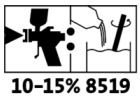
Pot life

8 hour(s)

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

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 (8519)		
Diluent amount added (%)	0 - 5		10 - 15
Viscosity 4-mm-cup (s)	30 - 32		18 - 20
Applied quantity per application (g/m²)	100 - 130		

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	3 h
Manipulable and stackable	12 hour(s)

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.

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Substrate preparation	**Hardwoods:** Wood sanding Grit size 150 – 180 **Softwoods:** Wood sanding Grit size 100 – 150

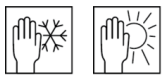
COATING SYSTEM

Primer coat	1 – 2 x Aduro Primer (2523)
Intermediate sanding	Grit size 280 – 320 Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion! Sanding straight through must be avoided, as this may lead to differences in the grain accentuation, which are further increased by yellowing with aging.
Topcoat	1 x coating with water-based clear coats such as Bluefin Unistar (2965), Bluefin Resist (2963) etc. Overcoating with solvent-based 2K PUR paints is also possible.

ORDERING INFORMATION

Size of trading unit	4 kg, 20 kg
Supplementary products	Bluefin Resist (2963) Bluefin Unistar (2965) DD-Verdünner 8519 (8519) PUR-Hardener 8419 (8419) 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: 32 second – 38 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.**

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