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Technical data sheet

Paint runs through our veins.

Aduro Füllgrund HT 2530

Solvent-based, **highly transparent 2C polyurethane primer with good filling performance** for **furniture and interior finishing**, for use in **industry and trade**

PRODUCT DESCRIPTION

General

Solvent-based, colourless 2C polyurethane primer for all types of wood. Good drying properties, a coating with especially good filling performance, outstanding transparency. Stand-out features of this product include outstanding permanent elasticity.

Special properties and standards

- **ÖNORM A 1605-12 (furniture surfaces)**
  Test 5: Resistance to flame: 5-B
- **ÖNORM A 3800-1 (fire behaviour)**
  In conjunction with a flame-retardant substrate:
  flame-retardant, Q1, Tr 1
- **SOLAS 74/88 Chapter II-2**
  Confirmed by an external test certificate.
  Highly non-combustible coating material for sea-going vessels.
- **French ordinance DEVL1104875A**
  Marking of construction coating products for their emission of volatile pollutants: A+

Application area

Primer with good filling power for transparent varnish systems for furniture and interior finishing.

For high-gloss surfaces with closed pores, you can use Aduro Füllgrund HT (2530) as a final coating, also sanded and polished to a high gloss finish.

For hardly inflammable or flame-retardant coating systems.

The product is not suitable for 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.

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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.

- The application quantity is 4 x 120 g/m² Aduro Füllgrund HT (2530) for coating structures on sea-going vessels.
- Regarding the coating of interior fittings on ships the flame-retardant surface material must not be used on pipes, pipe covers and cables.
- 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 observe our **ARL 131 - Working guidelines for PUR furniture paints** and the **ARL 133 - working guidelines for the colourless high gloss paint.**

Blending ratio

8433

1 Part(s) by weight Aduro Füllgrund HT (2530)
1 Part(s) by weight PUR-Hardener 8433 (8433000210)

Aduro Füllgrund HT (2530) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life

3 hour(s)

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique

0 – 10% 8519

	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,28 - 0,33		1,8 - 2,0
Spraying pressure (bar)	100 - 120		2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	DD-Verdünner 8519 (8519)		
Diluent amount added (%)	-		0 - 10
Viscosity 4-mm-cup (s)	16 - 18		16
Applied quantity per application (g/m²)	80 - 180*		
Total quantity applied (g/m²)	500 - 1000**		

*Primer coat: 80 - 120
*Primer: 120 - 180 per application

**Total quantity applied per working day: up to max. 500
**Total quantity applied: up to max. 1,000

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)

Sand until smooth with primer coat	3 hour(s)
Can be sanded and recoated	12 hour(s)
Can be handled and stacked	12 hour(s)

After the first filler application, a slight sanding with grit size 280 is carried out after approx. 3 hours.

You can apply 1 or 2 further coats of filler in one working day with a drying time of approx. 3 hours between applications – without the need for intermediate sanding.

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After the applications of filler in one working day or after the last application of filler of the overall coating system, a drying time of at least 12 hours (room temperature) is essential before intermediate sanding in order to ensure good stability of the subsequent coating.

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)

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

Wood sanding:

Sand using sandpaper with grit size 120 - 180 and then clean.

COATING SYSTEM

Primer coat

1 x Aduro Füllgrund HT (2530)

Intermediate drying: approx. 3 hour(s)

Intermediate sanding

Slight smooth sanding: Grit size 280

Remove sanding dust.

Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion!

Primer coat

Depending on the filling performance desired, several applications of 120 – 180 g/m² Aduro Füllgrund HT (2530) with a drying time of 3 hours between each coat, without intermediate sanding.

max. Application quantity per working day is 500 g/m². Then dry overnight at room temperature, followed by intermediate sanding using sandpaper with grit size 280.

Further applications Aduro Füllgrund HT (2530) as on the previous day.

Total application quantity: max. 1000 g/m².

Intermediate drying after the last application of filler, at least overnight.

Intermediate sanding

Grit size 280 – 320

Remove sanding dust.

Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion!

Topcoat

Various colourless ADLER PUR-Möbellacke (furniture coatings)

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CLEANING AND MAINTENANCE

Cleaning and Maintenance

Cleaning with Clean-Möbelreiniger (7202).

After-care of surface with a degree of gloss up to G70 with Clean-Möbelpflege Plus (7222) Excluded are shiny surfaces (especially polished) because of streak formation.

ORDERING INFORMATION

Size of trading unit

5 kg

Colour shades / Glosslevels

Aduro Füllgrund HT Farblos (2530000200)

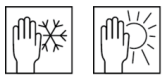
Supplementary products

Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)
DD-Verdünner 8519 (8519)
PUR-Hardener 8433 (8433)
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).

Technical specifications

Delivery viscosity: 17 – 19 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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