

Aduro Legnopur

2513

Solvent-based two-component polyurethane clear coat for **furniture and interior finishing for industrial and professional use**

PRODUCT DESCRIPTION

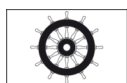
General

Solvent-based, aromatic-free two-component furniture polyurethane clearcoat based on acrylate resin with very good mechanical and chemical resistance, high filling power, long pot life, good grain accentuation and attractive pore pattern. The product is characterized by high resistance to yellowing and optimum light protection for wood and stains thanks to UV filters. Suitable for the “varnish on varnish” method.

Special properties and standards



- **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)
- **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)
Flame treatment: 5-B (hardly inflammable furniture surface)
- **ÖNORM A 3800-1 (fire behaviour)**
Confirmed by an external test certificate.
In conjunction with a flame-retardant substrate:
flame-retardant, Q1, Tr 1.
- **DIN 4102-B1 (fire-retardant)**
Confirmed by an external test certificate.
In conjunction with flameretardant laminated plywood – even veneered – and in conjunction with Legnopur, Aduro Vento or Pigmopur.
General building inspection test certificate MPA Stuttgart:
Legnopur: P-BWU03-I-16.5.234
Aduro Vento: P-BWU03-I-16.5.448
Pigmopur: P-BWU03-I-16.5.371
- **EN 13501-1 (fire behaviour)**
Confirmed by an external test certificate.
In combination with a hardly inflammable surface, e.g. materials of fire class A1 or A2: classification as B-s2,d0. The complete coating system (carrier board / glue / veneer or foil) is always used to classify the reaction to fire.
- **SOLAS 74/88 Chapter II-2**
Confirmed by an external test certificate.
Highly non-combustible coating material for sea-going vessels.





- **ISO 10993-5 Toxicity test**
Confirmed by an external test certificate.
Not cytotoxic.
- **DIN 53160-1 and DIN 53160-2**
Perspiration and saliva-proof properties
- **ÖNORM EN 71-3**
Confirmed by an external test certificate.
Safety of toys; migration of certain elements (free of heavy metals).
- **French ordinance DEVL1104875A**
Confirmed by an external test certificate.
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, such as tabletops and shelves in the kitchen and living area, bathrooms, offices and in the contract sector, fronts and permanently visible areas, surfaces used on seating furniture and not permanently visible areas. Application areas II to 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.
- The application quantity is 2 x 120 g/m² Aduro Legnopur (2513) for coating structures on seagoing 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 follow our **ARL 131 - Working guidelines for PUR furniture paints.**

Blending ratio



10 Part(s) by weight Aduro Legnopur (2513)
1 Part(s) by weight PUR-Hardener 8419 (8419000210)

Aduro Legnopur (2513) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

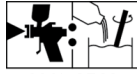
Pot life



8 hour(s)

Mixed material can be used one more working day, but must be mixed 1:1 with freshly hardened material. A further extension of the pot life is not possible.

Application technique



10% 8519

| | Airless | Airless air-supported (Airmix®, Aircoat, etc.) | Cup gun | Curtain coater |
|---|--|---|------------|-------------------|
| 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 | - |
| Viscosity 4-mm- cup (s) | | 25 | 18 | 25 |
| Applied quantity per application (g/ m ²) | ca. 100 - 150 | | | |
| Total quantity applied (g/m ²) | 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)



| | |
|---------------------------|--------------------|
| Recoatable | approx. 2 hour(s) |
| Manipulable and stackable | approx. 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. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Cleaning the working
equipment

8519



8501

With DD-Verdüner 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

Hardwoods: Grit size 150 - 180

Softwoods: Grit size 100 - 150

Remove sanding dust.

COATING SYSTEM

Primer coat 1 x Aduro Legnopur (2513)

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 Legnopur (2513)

CLEANING AND MAINTENANCE

Cleaning and Maintenance

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

ORDERING INFORMATION

Size of trading unit

4 kg, 20 kg

More sizes on request.

Colour shades / Glosslevels

Legnopur G10 Stumpfmatt (26211)

Legnopur G30 Matt (26213)

Legnopur G50 Halbmatt (26215)

Legnopur G70 Seidenmatt (26217)

Legnopur G90 Seidenglänzend (26219)

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. 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: 30 - 33 seconds according to DIN 53211 (4mm 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.