

Technical data sheet

Aduro Isofin

2652

Solvent-based 2-component polyurethane brightening coating for **furniture and interior finishing** for industrial and professional use

PRODUCT DESCRIPTION

General

Quick-drying, aromatic-free two-component polyurethane clear varnish based on acrylic resins with brightening effect to preserve the appearance of sanded, untreated wood; preferably for light-coloured wood types such as maple, oak or spruce, also old wood. Good chemical and mechanical resistance, elegant matt effect and beautiful pore pattern. Can be applied "varnish on varnish".

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)**
Confirmed by an external test certificate.
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)
- **DIN 53160-1 and DIN 53160-2**
Perspiration and saliva-proof properties
- **ÖNORM A 3800-1 (fire behaviour)**
In conjunction with a flame-retardant substrate:
flame-retardant, Q1, Tr 1
- **French ordinance DEVL1104875A**
Marking of construction coating products for their emission of volatile pollutants: A+



Application area



For the coating of furniture and interior finishing exposed to normal levels of stress, such as tabletops and shelves in the home, fronts and permanently visible areas, surfaces used on seating furniture and not permanently visible areas: Application areas III – IV according to ÖNORM A 1610-12.

PROCESSING

Processing instructions



- Please stir the product before use.
- Aduro Isofin (2652) already contains an optimum amount of light stabilizers as protection against yellowing, no further addition is permitted.

- Due to the strong brightening effect, the coating of dark or dark stained woods (e.g. wenge or rosewood) is not recommended.
- When used on surfaces bleached with hydrogen peroxide, Aduro Isofin (2652) must be hardened with 10 % PUR-Hardener 8419 (8419). This slightly reduces the brightening effect of the paint material.
- Please refer to the corresponding technical data sheets of the products.
- 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 Isofin (2652)
 1 Part(s) by weight PUR-Hardener 8439 (8439000210)

Aduro Isofin (2652) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life

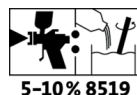
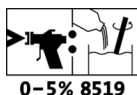


12 hour(s)

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)		0,28 - 0,33	1,8
Spraying pressure (bar)	100 - 120	80 - 100	2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	DD-Verdünner 8519 (8519)		
Diluent amount added (%)		0 - 5	5 - 10
Viscosity 4-mm-cup (s)		22	18
Applied quantity per application (g/m²)		80 - 120	80 - 120
Total quantity applied (g/m²)		max. 250	

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.

For good thorough drying, the recommended application quantities must be adhered to. Excessive layer thicknesses lead to a considerable drying delay!

Drying times

(at 23 °C and 50 % rel. humidity)



Sandable and recoatable	2 hour(s)
Manipulable and stackable	12 hour(s)

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-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

Hardwoods: Wood sanding Grit size 150 – 180
Softwoods: Wood sanding Grit size 120 - 150

COATING SYSTEM

Primer coat

1 x Aduro Isofin (2652)

Intermediate sanding

Sand the primed surface with grit size 280 – 320.
Avoid sanding straight through!

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

Topcoat

1 x Aduro Isofin (2652)

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

Colour shades / Glosslevels

Aduro Isofin G05 (2652000105)
Aduro Isofin G10 (2652000110)
Aduro Isofin G30 (2652000130)

Supplementary products

Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)
DD-Verdünner 8519 (8519)
PUR-Hardener 8419 (8419)
PUR-Hardener 8439 (8439)

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: 25 – 27 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