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Technical data sheet

Paint runs through our veins.

Aduro Isofin 2652

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

PRODUCT DESCRIPTION

General

Rapid-drying, aromatic-free two-component polyurethane clear coating based on acrylic resins with a lightening effect for preserving the appearance of sanded, untreated wood; preferably for light wood species such as maple, oak or spruce, also reclaimed wood. Good chemical and mechanical resistance, noble matt effect and attractive grain pattern. Suitable for "coat-on-coat" application.

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 ≤ 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.

Due to the strongly lightening effect, coating of dark or dark-stained wood species (e.g. wenge or rosewood) is not recommended.

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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.

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.
- 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.
- 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

8439 10%

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

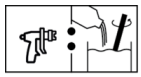
12 hour(s)

A further extension of the pot life is not possible.

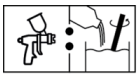
Increased temperatures reduce the pot life.

Please only prepare as much material as can be used within the pot life.

Application technique



0–5% 8519



5–10% 8519

	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!

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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. 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

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)

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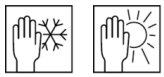
Please refer to the corresponding technical data sheets of the products.

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: 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.**

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