

Arova Pro

1341

Water-based **hardwood stain** in two qualities for a stain finish with an antique look and accentuated pores, or for a stain finish where the pores are not accentuated, specially developed for **industry**

PRODUCT DESCRIPTION

General

Water-based hardwood stain with a high degree of lightfastness in two qualities:

- Arova Pro **IPO** with micronised pigments to achieve a texture-enhancing stain effect on coarse and fine-pored hardwoods and a striking grain-reversing stain finish on softwoods.
- Arova Pro **EGA** with special dyestuffs for a stain effect that doesn't accentuate the pores.

The two qualities can be recoated with either water-based or solvent-based wood varnishes.

Special properties and standards



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

Application area



For furniture, interior fixtures, wall paneling and wood ceilings.

Depending on the furniture coating used, the product is suitable for surfaces of furnitures and interior finishing in application areas II – IV according to ÖNORM A 1610-12.

Application in combination with a suitable topcoat system.

PROCESSING

Processing instructions



- Please stir product well before and during use.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- Suitable for industrial use with spray painting machines.
- A staining application with Airmix or Airless low pressure device is also possible.
- Less absorbent wood types require less application compared to more absorbent timber.
- Various types of wood such as Oak, various exotic woods, etc. contain water-soluble substances, which become active when overcoating with water-based furniture coatings. To prevent discolouration or marks when painting wood rich in active substances we therefore recommend priming them first with Aduro Primer (2523).

- The color changes if the liquid stain comes into contact with metal.
- Do not return the product from the application tool or product contaminated with wood dust to the original container.
- 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 110 - Working guidelines for staining Wood**.

Application technique



	Cup gun
Spraying nozzle Ø (mm)	1,5
Spraying pressure (bar)	1,5 - 2,5
Yield per application (m ² /l)	8
Applied quantity per application (g/m ²)	30 - 40

The stated yield includes spray loss.

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 (solvent-based coatings)	12 hour(s)
Recoatable (water-based coatings)	5 hour(s)

Depending on the system parameters, a flash-off time must be taken into account. No forced drying until the product is completely penetrated into the wood.

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.

Avoid direct sunlight!

Cleaning the working equipment



8029

With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (diluted 1:1 with water).

SUBSTRATE

Type of substrate

Fine pored and coarsely porous hardwoods

Especially recommended for **Arova Pro IPO**: oak, ash and walnut (accentuated pores) and for **Arova Pro EGA**: beech, maple, cherry, walnut, oak and ash.

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:

Arova Pro IPO: Grit size 150 – 180

Arova Pro EGA: Grit size 180 – 220

It is advantageous to water the sanded wood and after drying smooth sanding with grain size 180 - 220; this step is absolutely necessary for solid oak.

COATING SYSTEM

Stain application Apply uniformly along the direction of the wood fiber using the wet on wet method with slight excess so that the surfaces appear slightly moist.

Subsequent coating The product can be coated with both water- and solvent-based ADLER furniture coatings. For lighter shades of stain and lighter colours, we generally recommend the use of lightfast paints/varnishes such as Bluefin Resist (2963) or Aduro Legnopur (2513) or UV-curing paint/varnish systems such as Bluefin Multilux U (3851) or Innolux Mehrschichtlack (2790). When using non-lightfast types of paint, it can be expected that the final color will appear slightly yellowish; this effect increases with aging.

ORDERING INFORMATION

Size of trading unit 10 kg, 25 kg, 120 kg

Colour shades / Glosslevels



The Arova Pro (1341) series is comprised exclusively of special colours, which are adjusted to suit customer requirements.

If necessary, Arova Pro IPO can be lightened with Arova Pro IPO Farblos (1341500100) Colourless.

If necessary, Arova Pro EGA can be lightened with Arova Pro EGA Farblos (1341500200) Colourless.

Do not mix the qualities.

If it is thinned excessively, the inherent colour of the wood and the natural yellowing of the wood can lead to noticeable colour changes over a period of time.

Prior to applying the stain and the coating, you should always stain a sample on the original wood and treat it with the intended coating material in order to assess the final colour shade. Only use stains from the same batch for a commission.

Supplementary products

Aduro Legnopur (2513)
Aduro Primer (2523)
Aqua-Cleaner 8029 (8029)
Bluefin Multilux U (3851)
Bluefin Resist (2963)
Innolux Mehrschichtlack (2790)

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

FURTHER DETAILS

Durability / storage



Min. 1 year(s) in the original sealed containers.

Cool, but frost-free.

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.