

AURO Wood primer No. 124

Material type / use

Water-thinnable, solvent-free, transparent, biocide-free undercoat for wood and wood products for indoor and outdoor use. Designed to be used as an undercoat for AURO Aqua-Products, e.g. AURO White undercoat No. 253*, AURO Gloss paint No. 250*, AURO Silk Gloss Paint No. 260* (for interior use only) or AURO Wood wax No. 184*. See section 1 on the rear page for application on rich contents wood types.

Ingredients

Linseed oil, castor oil, sunflower oil, colophonium glycerine ester (part as ammonium-soap), mineral filler, water, tensides of castor and rapeseed oil, lecithin, methyl cellulose, xanthane, borate, silicic acid, Ca/Co/Zr driers (lead-free). Applicable is our current full declaration of raw materials.

Colour

Colourless, transparent. Note: The product has a milky appearance, but after application it dries to give a clear transparent surface coating.

Methods of application

- painting (with varnish brush; synthetic or mixed-fibre brush e.g. Chinex®, Orel or Orel-Mix e.g. AURO No. 710)
- rolling (e.g. with fine-grade foam roller or short-pile paint roller, e.g. AURO No. 730)
- spraying

spraying	High pressure	Reduced-spray (HVLV)	Air mix
Jet size	0.8 – 1.5 mm	0.8 – 1.5 mm	According to manufacturer's specifications
Air pressure	3 – 5 bar	2 – 4 bar	According to manufacturer's specifications

Drying time in normal climatic conditions (20 °C / 60% relative humidity)

- dust-dry in 6 – 9 hours, dry (workable) after about 24 hours; ultimate hardness reached in about 3 days.
- for wood types rich in active substances (e.g. oak, chestnut, framiré) and for some wooden materials, by high humidity, low temperatures, or excessive application, drying times are likely to be considerably extended.
- drying depends also on absorption of oxygen, therefore adequate fresh air must be catered for.

Density	1,03 g/cc	Hazard class: not applicable
Viscosity	about 60 sec. (DIN 4 mm) at 20 °C.	
Thinner	Ready for use; may be thinned with water maximum 20%.	
Amount to be used	about 0,06 l/m ² per coat - may vary according to surface, porosity, type of wood etc.	
Tool cleaning	Immediately after use paint-out the work utensils and wash thoroughly with warm water and AURO Plant soap No. 411*. Remove strongly adhering product residues by prolonged soaking of the utensils in 5% soap solution. If necessary remove residues with AURO Thinner No. 191. Rinse well with water.	
Storage stability	Can be stored for at least 12 months at 20 °C in unopened tins. Store in a cool place, but protected from frost.	
Packing	Tin plate; empty cans may be recycled as tin cans.	
Disposal	Compost dried product residues or dispose of in domestic garbage. Return empty tins for metal recycling. Liquid residues: EAK Code 200112, EAK designation: Paints.	
Safety Advice	Soaked rags and polishing material can ignite spontaneously (due to the drying oils content), therefore make sure that they are left to dry spread out, or keep in tightly closed sheet metal container. Keep the product out of reach of children.	

Instructions for processing

- Tested for safety on toys, as per DIN EN 71 part 3; tested for reaction to saliva and sweat (DIN 53160)
- Minimum application temperature +10 °C. The moisture of the wood must not exceed 12 % for hardwood and 15 % for soft wood. Stir well before use.
- Do not apply in direct sunlight or by high humidity
- By application on wood products such as plywood, wood fibre or laminates, the manufacturer's instructions must be respected.

Technical recommendations for application

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1. SUBSTRATE

1.1 Suitable substrates

Wood and wooden materials for indoor and outdoor use. Conditionally suitable for wood types rich in active substances.

Wood types rich in active substances:

- Treat wood types rich in tanning substances (e.g. oak, chestnut, framiré) with AURO Special primer No. 117 in order to avoid delays in drying time.
- Treat wood types with colouring substances (e.g. larch, red cedar, red meranti) with AURO Special primer No. 117, where further treatment with AURO Aqua products in light colour tones is intended, in order to avoid that the colouring substances bleed out.
- Treat salt- and pressure-impregnated wood with AURO Special primer No. 117 in order to avoid the efflorescence of substances.

1.2 General requirements for the substrate

The substrate must be firm, chemically neutral, grease-free, clean and contain no substances which may bleed through.

2. BUILDING UP COATINGS (FIRST TIME COATING)

2.1 Substrate type: wood, wood products

2.1.1 Substrate preparation

- round off corners, clean the surface and grind;
- for quality surfaces, wet with a sponge then allow to dry, polish; brush out pores in direction of grain and then dust carefully;
- when polishing, do not use rusty implements;
- The product is free from wood protecting agents (biocides). In particular for softwood and accurately dimensioned components made of wood, exposed to the weather or in damp rooms, it should be checked whether preventive wood protection with a suitable wood primer containing biocide is advisable or mandatory (VOB);

2.1.2 Basis treatment

- for indoor and outdoor use, one even coat of AURO Wood primer No. 124;
- for following paint coatings indoors, alternatively coat with AURO White undercoat No. 253*, thinned with 10% water.
- after drying, grind and remove dust.

2.1.3 Final treatment

Paint: 1 even coat of AURO White undercoat No. 253*. Finish with two coats of AURO Gloss paint No. 250* or AURO Silk gloss paint No. 260*.

Wax: 1-2 coats of AURO Wood Wax No. 184*.

3. BUILDING UP COATINGS FOR RENOVATION OF PAINT-WORK

3.1 Substrate type: weathered or damaged paint-work (renovation)

3.1.1 Preparing of the substrate

- completely remove loose remnants of paint
- check adhesion and compatibility between available surfaces and coatings

3.1.2 Finishing application

- build-up as described under point 2

3.2 Substrate type: intact paint-work (maintenance)

3.2.1 Preparation of the substrate

- thoroughly clean the surface, grind and remove dust.

3.2.2 Initial application

- not necessary when the old paint-work is intact.

3.2.3 Finishing application

- as described under point 2.1.3.

* see the corresponding technical data sheets.

The information contained in this technical data sheet is the result of long years of research and practical tests. This information is intended as advice but does not release the purchaser and user from the need to test the products himself with regard to their suitability for the intended application. Therefore this information does not imply any guarantee and does not entail any liability. Consultation of our technical advisory service does not constitute any advisor relationship. This technical data sheet loses its validity when a new edition is released. Status: 01.08.2001, new edition

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