

AURO special primer No. 117

Material/intended application

Solvent-containing transparent biocide-free special primer for rich contents wood types, in preparation for subsequent coatings with AURO aqua products for indoor and outdoor applications.

Reduces the following effects of wood content substances on water-based coating systems:

- 1) Drying delay on wood types rich in tanning substances, e.g. oak, chestnut, cherrytree, framiré.
- 2) Breakthrough of discoloring content substances into bright (white) subsequent layers on, for example, larch, pine, red cedar, meranti
- 3) Active material efflorescence on salt and pressure-impregnated wood types.

Composition

Binding agent resin from linseed oil, sunflower oil and colophonium glycerine ester, mineral fillers, orange oil, lecithin, silica, swelling clay, Ca/Co/Zr desiccants (lead-free). Our currently valid full declaration is decisive.

Colour hue

Transparent.

Application methods

- Painting
- Rolling
- Spraying

Spraying	High pressure	Reduced fog (HVLV)	Airmix
Nozzle width	1,0-2,0 mm	1,0-2,0 mm	According to manufacturer instructions
Air pressure	3-5 bar	2-4 bar	According to manufacturer instructions

Drying time under normal climatic conditions (20 °C, 60% relative humidity)

- Dust dry after about 6-9 hours and can be reworked after about 24 hours. The final hardness is reached after about 3 days.
- Considerably longer drying times under high relative humidity, low temperature or when excessive amounts are applied.
- Drying is a process which, among other changes taking place, requires take-up of oxygen, therefore adequate air circulation must be ensured.

Density	0,91 g/cm ³	Dangerous material class: Vbf AII, inflammable
Viscosity	About 50 seconds (DIN 4 mm) at 20 °C.	
Thinner	Adjusted ready to use, can be diluted with AURO plant balsamthinner No. 191* up to 20%.	
Consumed quantity	About 0,08 l/m ² per coating, can vary depending on manner of application, surface quality and wood type. Exact amounts required must be determined on the object.	
Tool cleaning	Immediately after use paint-out the work utensils and clean thoroughly with AURO plant balsam thinner No. 191*.	
Storage stability	At least 24 months at +20 °C in unopened container. Store cool but frost-free.	
Packing material	Tin plate. Completely emptied containers can be returned for tin plate recycling.	
Disposal	Dried product residues can be composted or disposed of with domestic waste material. Return empty tins for metal recycling. Liquid residues: EAK-code 200112, EAK-designation: paints.	
Safety advice	Soiled rags may ignite spontaneously (due to content of drying oils), therefore it is essential to spread-out rags for drying orto keep them in a tightly closed metal container. Store the product out of reach of children. Product contains solvents; swallowing can cause lung damages. Provide for cross-ventilation durig application. Do not dispose of residues into the sewerage system.	

Instructions for processing

- Tested according to DIN EN 71 Part 3, safety of toys, and according to DIN 53160, resistant to saliva and sweat.
- Minimum application temperature 10 °C. The moisture content of the wood must not exceed 12% for hardwood or 15% for soft wood.
- Stir the product well before use.
- It is essential to avoid direct solar radiation and exposure to moisture during processing.

Technical recommendations for application

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1. SUBSTRATE

1.1 Suitable substrates

Rich content wood and wooden material for indoor and outdoor application.

- Wood types rich in tanning substances: e.g. oak, framiré, chestnut, cherrytree.
- Wood types rich in colouring substances, particularly when a further treatment with Aqua products in light colour tones is intended, e.g. larch, red cedar, red meranti.
- Salt- or pressure-impregnated wood.
- Wooden material with phenolic resin.

1.2 General requirements for the substrate

The substrate must be firm, chemically neutral, dry, grease-free and clean.

2. PAINT COATING BUILD-UP(FIRST TIME COATING)

2.1 Substrate type: Wood

2.1.1 Substrate preparation

- Round off edges, clean the substrate, grind slightly.
- Only for high quality surfaces first wet with a sponge, allow to dry, grind fine, brush the pores in the grain direction, completely remove all dust.
- For grinding tasks, make sure that the grinding agents are rust-free.
- 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 Basic treatment

- Indoors and outdoors, apply AURO special primer No. 117 generously and uniformly.
- Determine by test painting whether wood content substances break through. Repeat the primer coating if necessary.
- Allow to dry and then grind intermediately. Remove dust completely. For floors, just finish with a black polishing pad – do not grind !

2.1.3 Subsequent treatment

Apply the corresponding AURO aqua products* according to the desired kind of coating.

3. COATING BUILD-UP FOR REDECORATION

3.1 Substrate type: Weathered or damaged old paint coating (repair)

3.1.1 Substrate preparation

- Completely remove insecure parts of the old paint coating.

3.1.2 Subsequent treatment

- Rebuild the paint coating as described in Section 2.

3.2 Substrate type: Intact old paint coating (maintenance)

3.2.1 Substrate preparation

- Thoroughly clean the surface, grind slightly and remove dust.

3.2.2 Basic treatment

- Basic treatment is not required for intact old paint coatings.

3.2.3 Final treatment

- As described under 2.1.3.

* See corresponding technical data sheets

The information contained in this technical data sheet is the result of many years of research and practical experience. This information is only intended as general advice and does not free the purchaser and user from the need to test the product with regard to suitability for the envisaged application. Therefore this information does not imply any warranty or liability. Consultation of our advisory service does not constitute an advisory contract. This document becomes invalid when a new issue appears. Status: 01.08.2001, new edition.

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