

AURO Special primer No. 117

Type of material

Solvent-based, transparent, biocide-free, slightly film-forming primer for substrates rich in substances.

Intended purpose

Basic treatment for wood and wood based materials rich in substances, prior to the treatment with water dilutable AURO products.

Technical properties

- Reduces the following effects of wood rich in substances on the finish coat:
 - o Drying delays due to material-specific substances (e.g. tannic acids: oak, chestnut, cherry tree, framire, larch, bamboo, cork; phenolic resins: OSB, MDF, thin-layer veneer), deeply penetrated soiling (e.g. nicotine, old coatings)
 - o Bleeding of discolouring substances into light (white) subsequent coatings (e.g. on ash, larch, red cedar, red meranti)
 - o Active material efflorescence on salt- and pressure-impregnated substrates
- Equalizes unevenly absorptive surfaces
- Tested according to DIN EN 71, part 3, safety of toys, and DIN 53160, resistant to saliva and perspiration

Composition

Orange oil, linseed oil, colophony glycerol ester with organic acids, silicic acid, swelling clay, drying agents (cobalt free), sunflower oil, castor stand oil, castor oil, hardened, lecithin, alcohol Natural paints are not odourless or free of emissions. May cause allergic reactions. Natural products are not odour nor emission-free. See the current full declaration on www.auro.de.

Colour shade

Transparent with a honey-coloured highlighting effect. Carry out a test application as the effect varies on different substrates.

Application method

By brush, roller, spraying.

Spraying	High pressure	Overspray reduced (HVLV)	Airmix
Nozzle size	1.0-2.0 mm	1.0-2.0 mm	acc. to device manufacturer's instructions
Air pressure	3-5 bar	2-4 bar	acc. to device manufacturer's instructions

Drying time in standard climate (23 °C/ 50% rel. air humidity)

- Dust dry: after approx. 8 hours; recoatable: after approx. 24 hours.
- Full hardness: after approx. 3 days minimum. Treat carefully during this period; avoid exposure to humidity and dirt.
- High air humidity, low temperatures, contact with liquids (also short-term), high spreading rates and insufficient air supply slow down the drying process considerably and also affect the product's technical properties negatively.
- The drying process is initiated by oxygen uptake (oxidation). This results in product-specific odours and emissions; it is therefore absolutely necessary to provide for sufficient and tempered ventilation during the entire drying time.

Density 0.92 g/cm³.

Hazard class UN 1263, class 3.

Viscosity Approx. 18 seconds (DIN 6 mm) at 20 °C.

Thinner Ready for use; can be diluted with max. 20% of AURO Orange oil No. 191*.

Consumption rate 0.08 l/m² per coat depending on substrate, application method, surface quality. Carry out a test application to assess the exact consumption rate.

Cleaning of tools Remove excess material and clean immediately after use with AURO Orange oil No. 191*.

Storage stability Store cool, dry, above freezing point in original containers out of reach of children. At 18 °C in original, closed containers: 24 months.

Packaging material Tinplate. Only recycle completely empty containers with fully dried product residues.

Disposal Liquid residues: EWC code 200112, designation: Paints. Only dispose of dried product residues as cured paints or domestic waste.

Attention Product is flammable, R 10 Flammable, S 16 Keep away from sources of ignition. No smoking. Risk of spontaneous ignition of drying oils. Spread used rags, etc. evenly one by one and allow to dry (do not crumple!), or store in tin containers closed airtight. Contains orange oil, R 65 May cause lung damage if swallowed, S 23 Do not breathe vapour/aerosol, S 51 Use only in well-ventilated areas, S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Product code: Ö100, oils/waxes, highly solvent-based. Observe standard protective measures, e.g. provide for sufficient skin protection and ventilation during the application, wear respiratory equipment when sanding. Observe Safety Data Sheet, Label and Technical Data Sheet.

REMARKS

- Check substrate for suitability and compatibility before use.
- Avoid direct sunlight, exposure to humidity and dirt during the application and drying process.
- Application temperature: 10 °C min., 30 °C max., ideally 20-23 °C; max. rel. air humidity: 85%, ideally 50-65%.
- Wood moisture: 12% max. for deciduous wood, 15% max. for coniferous wood.
- Stir well before use, mix products with different batch numbers until homogenous prior to use in order to compensate for batch-related differences.
- Oil-based products are thermoplastic and soften in heat; ensure that surfaces are fully dry before reworking or exposing these to stress.
- Surfaces must be checked and maintained regularly and defects be repaired immediately to provide for durable protection.
- The product may be slightly greenish which wears off in the course of time.
- Product-specific (after) yellowing may occur and must be taken into consideration.

Technical recommendations for application

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1. SUBSTRATES

1.1 Recommended substrates

- Wood and wooden materials rich in substances inside and outside, cork, old coatings. (Please also observe our respective publication: *Universal pretreatment of woods rich in active substances, available for download online*).
- Wood rich in tanning agents: e.g. oak, chestnut, cherry tree, merbau, framire
- Wood with bleeding, discolouring substances (especially in case of light (white) coatings: e.g. ash, larch, red cedar, red meranti)
- Salt- and pressure-impregnated wood
- (Phenolic) resin-based wooden materials
- Cork

1.2 General surface requirements

Surfaces must be solid, dry, chemically neutral, free of grease, clean, stable, in good condition and adhesive.

2. COATING SYSTEM (FOR INITIAL COATING)

2.1 Type of substrate untreated materials

2.1.1 Surface preparation

Attention:

Product is free of wood protecting agents (biocides). Check if preventive wood protection by means of a suitable biocidal wood primer is necessary or mandatory (VOB), especially for coniferous wood and weathered dimensionally stable wooden components or in damp rooms.

2.1.1.1 Solid wood

- For high-quality surfaces, first soak with water, allow to dry, finely sand in direction of the grain and brush pores in direction of the grain, thoroughly remove dust.
- Round edges, clean substrate, sand wood thoroughly and gradually until the desired final quality is obtained (e.g. for furniture with abrasive mesh up to grit size 220, in floor areas with abrasive mesh grit size 150), remove sanding dust thoroughly.
- Wash wood rich in substances or resinous and tropical wood with alcohol dilution and sand finely again.
- Always use rust-free abrasives for sanding.

2.1.1.2 Wooden materials, veneered wood and wooden materials

- The regulations by the manufacturers of the wooden materials must be observed when working with wooden materials, e.g. layer-glued fibreboard.
- Round edges, clean substrate, sand wood thoroughly and gradually until the desired final quality is obtained (e.g. for furniture up to abrasive mesh grit size 220, in floor areas with abrasive mesh grit size 150), remove sanding dust thoroughly.

2.1.1.3 Cork

Clean substrates, and prepare cork according to the manufacturer's instructions, (sand slightly, if necessary). Thoroughly remove sanding dust entirely.

2.1.2 Basic treatment

- Apply AURO Special primer No. 117 liberally, evenly and swiftly (observe the specified consumption rate of 0.08 l/m²!).
- Upon conclusion of the drying process, a thin, evenly glossy film must have formed. If this is not the case, repeat the basic treatment observing the drying times.
- After approx. 24 hours, or full drying, slightly roughen surfaces with a fine grinding fleece or a beige pad (do not sand down to the substrate!)

2.1.3 Subsequent treatment

Use respective AURO products* depending on the desired finish.

3. COATING SYSTEM (FOR RENOVATION COATING)

3.1 Type of substrate Weathered or defective old coating (maintenance)

3.1.1 Surface preparation

Remove non-adhering, unstable paintwork in poor condition entirely.

3.1.2 Basic and subsequent treatment:

New coating system as described in section 2.

3.2 Type of substrate Intact old coating (maintenance)

3.2.1 Surface preparation

Clean surfaces thoroughly (e.g. with AURO Paint and stain cleaner No. 435), if necessary slightly sand, remove dust.

3.2.2 Subsequent treatment or new coating system

As described in section 2 depending on rate of wear and finishing coating.

* See respective Technical Data Sheets.

The Technical Data Sheet gives recommendations and examples of possible use. No liability or other legal responsibility can be derived. Use of the advice does not create any legal relationship. The information provided is based on our present knowledge and does not exempt the user from his personal responsibility. The respective state-of-the-art practices must be observed when implementing coating work and the required preparations. The conditions on site and the product's suitability must be checked appropriately and professionally. With publication of a new edition this technical data sheet is no longer valid. Status: 25.07.2011 technical data | 08.08.2013 full declaration