

AURO Impregnating primer No. 121

Type of material

Solvent-based, transparent impregnating primer No. 121 and sole treatment without wood preservatives.

Intended purpose

As primer for absorptive surfaces for secondary treatment with oil and wax products.

As sole treatment for wood and cork for surfaces exposed to normal stress.

Only for inside and for surfaces not exposed to natural weathering.

Technical properties

- Tested according to DIN EN 71, part 3, "Safe for toys".

- Equalises unevenly absorptive surfaces.

- Reduces the vulnerability to attract dirt.

Composition

Orange oil, linseed oil, wood oil, colophonium glycerine ester with organic acids, dammer, dryers (cobalt free), sunflower oil, castor oil.

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. Tintable with AURO Woodstain No. 150* up to 20 % max. Carry out a test application as the effect varies on different substrates.

Application method

By brush, roller, spraying.

Drying time in standard climate (20 °C/ 50% rel. air humidity)

Penetration into the substrate: after approx. 10-30 minutes; dust dry: after approx. 10 hours; recoatable: after approx. 24 hours.

Full hardness: after approx. 4 weeks minimum. Treat carefully within this period; avoid exposure to humidity and dirt.

High air humidity, low temperatures, contact with liquids (also short-term), excessive application, and insufficient air supply slow down the drying process considerably and 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 0.90 g/cm³.

Viscosity Approx. 14 seconds (4mm flow cup acc. to DIN EN ISO).

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

Consumption rate Ø 0.05 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 Immediately after use remove the product residuals from the tools and wash thoroughly with AURO Orange oil No. 191*.

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

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

Disposal Liquid residues: EWC code 080111, designation: Paint and lacquer residuals containing organic solvents or other hazardous substances. Only dispose of dried product residues as cured paints or domestic waste.

Attention

Risk of spontaneous ignition of drying oils. Spread used rags evenly one by one and allow to dry (do not crumple!), or store in tin containers closed airtight. Xn Harmful to health, N Dangerous to environment, R 10 Flammable, R38 Irritates the skin, R43 Possible allergization through skin contact. R50-53 Very poisonous for water organisms. R 65 May cause lung damage if swallowed. Contains orange oil, may cause allergic reaction. Do not breathe in vapour/aerosol. Apply only in good ventilated areas. Assure sufficient air circulation. S2 May not get into the hands of children. S24 Avoid skin contact S29 Do not allow to get into the canalization S36/37 Wear suitable protection gloves and protection clothes. S60 Product and packaging to be disposed as hazardous waste. S61 Avoid disposal into the environment. Observe extra instructions/consult the Safety Data Sheet. S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Store cool, above freezing point, in original container. Product code M-LLo4, Oil paints, containing solvents. Observe Safety Data Sheet and Technical Data Sheets. Hazard class UN1263 AdR3. EU VOC limit value acc. to 2004/42/EC IIA (eLb): 400g/l (2010). Product-VOC: <= 320g/l.

Technical recommendations for application

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1. SUBSTRATES

1.1 Suitable substrates Wood, wooden materials, cork and unglazed clay tiles, interior only.

1.2 General substrate requirements Surfaces must be solid, dry, chemically neutral, absorptive, free of grease and bleeding ingredients, clean, stable, in good condition and adhesive.

1.3 Preparation of substrate

1.3.1 Wood and wooden materials

- For particularly high quality and/or heavily used surfaces, slightly soak wood in water and leave for drying for min. 60 min.

- Sand wood finely in the direction of fiber, gradually changing the grain size, until the desired smoothness has been reached (mesh grit size 120-320). Brush out the pores in the direction of fiber and remove the sand. If necessary, round the edges. If necessary, remove the remaining impurities and finely sand again.

- Woods reach on substances, on resin or grease are to be washed with alcohol and sanded again.

- For wood based materials, such as layered glued fiberboard or the like, observe the coating instructions of the producer.

Floorings: Under some unfavorable circumstances, if the primer penetrates the material joints, it may cause stiff bonding of the wooden elements.

This may bring about cracking of the floor and cause creaking noises. To avoid this, the surface should be treated with suitable cement filling for joints. Producer's instructions must be followed; a test treatment is to be carried out if necessary.

1.3.2 Cork

Clean the substrate; pretreat according to the instructions of the producer, sand slightly if necessary. Remove the sand and dust.

1.3.3 Unglazed clay tiles (e.g. Cotto)

Clean the substrate; all cement stains and remains must be removed completely according to the instructions of the producer. For the first coating, the substrate must be completely clean, dry and chemically neutral.

1.3.4 Worn out, but mostly sound oiled and/or waxed surfaces (maintenance)

Clean the surface thoroughly, pre-sand and afterwards sand finely, remove sand dust.

A partial restoration is possible; color differences may appear depending upon the product used and the wear grade of the surface.

1.3.5 Heavily worn out, damaged surfaces and existing old layer-building coatings (glazes, lacquers).

Remove the old coatings completely until the intact substrate has been reached. Further preparation of the substrate as described under 1.3.1-1.3.3.

2. COATING SYSTEM

2.1 Initial coating

- Do not allow the product to penetrate material joints, recesses and similar as the drying process is considerably slower here.

- Apply the product evenly; use brush or roll; do not pour onto the surface.

- Excessive product that has not soaked into the surface must be rubbed into the surface, distributed evenly and its remains removed before starting to dry, latest within 30 minutes. Use a fusel free cloth, a beige or white pad or similar.

- The product must fully soak into the substrate without film formation.

- After-treatment no sooner than after full drying, earliest after 24h.

- Applied on cork, may create an uneven surface, due to the uneven structure of the cork material.

- For heavily used surfaces (floors, tables etc.) as well as for strongly absorptive surfaces (beech, alder etc.), the initial coating should be repeated. For heavily used surfaces use AURO Hard oil No. 126* alternatively. Sand the wood or wood based materials before (e.g. grit size 220-230), don't sand cork).

2.2 Final coating

The following final treatments are possible depending upon the type of substrate and exposure to usage:

With AURO Impregnating primer No. 121, Hard oil No. 126*, Hard wax No. 171*, Furniture balsam No. 173*, Liquid wax No. 981.

3. CLEANING AND MAINTENANCE

3.1 Cleaning

Moist wipe with lukewarm water. Use non-abrasive cleaning utensils only (no active or microfiber fabric). Depending on degree of dirtiness and type of usage, various additional cleaners may be used (e.g. AURO Floor cleaner No. 427*, Paint and stain cleaner No. 435*).

3.2 Maintenance

Depending on the final coating – e.g. with AURO Floor care No. 437*, Floor care emulsion No. 431*, or Wooden floors cleaning and care No. 661.

3.3 Refreshment

Depending on the final coating – e.g. with AURO Care oil No. 106*, or Care wax No. 107*.

REMARKS

- For the planning and the execution of the coating work the general state of the art is to be considered. All coating work should first be coordinated with the type of object involved and the use to which it is put.
- Before product application, check substrate for suitability and product compatibility. Stir well before use.
- Products of varying batch numbers should be mixed together before use in order to compensate for possible batch differences.
- Some materials such as e.g. iron fillings and iron dust may cause discoloration; any contact must be avoided.
- Processing temperature min. 10°C, max. 30 °C, max. 85% rel. humidity, optimum 20-23 °C, 50-65% rel. humidity.
- Wood moisture content max. 12% in hardwood 15% in softwood.
- Avoid exposure to direct sunlight, moisture influences and dirt during application and drying process.
- Take the yellowing effect, typical of this product, into account.
- Products containing oil are thermoplastic, and soften when warm. Make sure the product has dried through completely before exposing the surface to stress.
- For optimum, lasting protection, the surfaces must be checked and cared for regularly; repair damage immediately.

* 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: 01.05.2011 technical data | 01.04.2014 full declaration