Technical Data Sheet

AURO hard primer No. 127

Type of material
Water-thinnable, solvent-free and biocide-free transparent primer.

Intended purpose
Priming for untreated wood surfaces to be coated with AURO Aqua products, e.g. Gloss paint No. 250*, Satin paint No. 260*, Floor paint No. 267*, or Wood wax No. 187*.
Not suited for wood types rich in active substances, see point 1 on the second page.

Composition
Water, mineral fillers, linseed oil*, colophony glycerol ester with organic acids*, surfactants made of rapeseed- and castor oil, drying agents (cobalt-free), castor stand oil*, sunflower oil*, cellulose. * as amino soap
Natural paints are neither odourless nor emission-free. May cause allergic reactions. Current full declaration on www.auro.de.

Colour shade
Milky, dries up transparently, only slight 'firing' effect.

Application method
- With roller, e.g. with fine-pored foam roller or short-pile paint roller.
- For smaller areas and in corners, use a paint brush made of synthetic or mixed fibre material, e.g. of Chinex®, Orel.

Drying time in standard climate (20 °C, 65% rel. air humidity)
- Recoatable after approx. 24 hours.
- Final hardness after approx. 3 days. Treat carefully during this period and do not expose to moisture.
- Direct application on wood types rich in active substances (such as oak, chestnut, cherry), high air humidity, low temperatures, exposure to liquids (even short-term), high application volumes and insufficient air supply can cause significant delays of the drying process and influence the technical qualities of the product 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 1,03 g/cm³.

Viscosity About 50 seconds (4mm flow cup DIN EN ISO).

Thinner Adjusted ready to use; can be diluted up to max. 20% with water.

Consumption rate For the first coating approx. 0,07l/m² per coat. Consumption volumes depend on substrate, processing method, surface quality. Determine exact consumption on sample.

Cleaning of tools Immediately after use remove product residuals and wash with warm water and AURO Plant soap No. 411*. To remove strongly adherent residuals, soak the tools for some time in a 5% soap solution, if needed with AURO Thinner No. 191*. Rinse with water thoroughly.

Storage stability At 18 °C in original closed containers: 24 months.

Packing material Tin plate. Only recycle completely empty containers.

Disposal Liquid residues: EWC code 080112, designation: Paints. Return only containers emptied completely or containing dried product residues for recycling. Dispose of only dried product residues, either as dried paint or with household waste.

Attention

EU-VOC limit value 2004/42/EG II A (fLb) 130 g/l (2010), product-VOC =< 10 g/l. GISBAU GIScode M-DF 03 Natural resin paints, solvent-free. Danger of self-ignition of drying oils. Consequently, do not crumble used cleaning cloths and the like. Spread them out for drying or store them in an air-tight closed metal container. Observe the customary protective measures, e.g. ensure adequate skin protection and ventilation during application. Observe Safety Data Sheet and Technical Data Sheets (download on www.auro.de/en.

Technical recommendations for application AURO hard primer No. 127

1. SUBSTRATE

1.1 Suitable substrates

Untreated wood, free from active substances; conditionally suitable for some wood based materials.

Wood types rich in substances: Use AURO Special primer No. 117*; especially wood rich in tanning agents (e.g. oak, chestnut, farmiré) - to avoid drying delays; wood types containing bleeding, discolouring substances (e.g. larch, red cedar, red meranti) – as preparation for light colored (white) coatings; wood treated with salts or pressure impregnated wood – to prevent efflorescence. For more information, see Topical sheet “Universal pretreatment of woods rich in active substances“ (Download on www.auro.de/en).

1.2 General substrate requirements Substrate must be solid, chemically neutral, clean, dry, absorptive, adhesive, free of grease and oil, free of separating, discolouring, drying-retardant and bleeding substances.

2. COATING SYSTEM

2.1 Wood protection

The product does not contain wood preservatives (biocides). In some cases it is advisable to verify whether a preventive wood preservative (containing biocides) is needed or required. This especially applies to softwood, to dimensionally stable construction elements, to elements exposed to weather conditions and elements placed in humid rooms. For more information, see Topical sheet “Protecting woods from mould and blue stain“ (Download on www.auro.de/en).

2.2 Substrate preparation

Use rustproof tools when sanding. For especially high level and/or heavily worn surfaces – water the solid wood slightly and leave for drying for at least 60 min.
Sand the wood in the direction of the fibres, gradually changing the grit size towards the finest one, until the desired smoothness has been reached (e.g. for furniture 240, for floorings 150 grit).
Brush out the pores in the direction of the fibres, remove the dust thoroughly, round off edges if needed. Remove any remaining impurities and sand finely again.
Wash strongly resinous or greasy wood types with alcohol thinner and sand finely again.

2.3 Basic treatment

Apply one coat AURO hard primer No. 127 evenly.

2.4 Follow-up treatment

Use the respective AURO products, e.g. AURO Gloss paint No. 250* or AURO Satin paint No. 260*, depending on the desired type of coating. Repeat coating until the intended surface quality and protection is achieved (see corresponding data sheets). Sand the surfaces finely between coats (e.g. furniture 240, floor 150 grit).

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 with varying batch numbers should be mixed together before use in order to level 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.

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