

AURO Gloss paint No. 250

Type of material

- Environment friendly, water-thinnable, opaque wood coating.
- Glossy, solvent-free, contains no wood preservatives.
- Consistently ecological choice of raw materials..

Intended purpose

For design, for (diffusible) protection coats on wood, wood-based materials and iron parts, indoors and outdoors.
Outdoors: apply at least 3 coats with approximately 0.08 l/m² per coat.

Technical properties

- Tested in accordance with DIN EN 71 Part 3, "Safe for toys".
- Tested in accordance with DIN 53160, "Saliva-proof and sweat-proof".
- Tested according to DIN EN 927 for conditionally dimensionally stable wood.
- Acc. to EN 13300: Abrasion Class 1, Opacity Class 3 at consumption level of approx. 0.08 l/m² (=approx. sufficient for 12.5 m²/l).
- Degree of gloss: approx. 80 at a measuring angle of 60°.

Composition

Water, linseed oil*, mineral fillers and pigments, colophony glycerol ester with organic acids*, surfactants made of rapeseed- and castor oil, drying agents (cobalt-free), castor oil*, sunflower oil*, cellulose, xanthane. *as amino soap,
Natural products are neither odour- nor emission-free. May cause allergic reactions. See the current full declaration on www.auro.com.

Colour shades

White and 6 different shades (see relevant colour chart or catalogue).

Note The effect of colour changes with the nature of the substrate or application methods. The colour tone should therefore be determined by a test coating on a small spot. Use products from the same production batch, if possible, or mix products from different batches before use. After application, deviations of colour shades do not constitute a reason for complaint. All Aqua Paints can be mixed together. Mixtures of coloured paints with clear lacquers, or mixtures of Gloss paints No. 250 with Satin paint No. 260 impair the outdoor performance and shorten the renovation cycles. Customers create mixtures at their own risk.

Application method

Brush, roller (synthetic or mixed-fibre bristles, fine-pored foam rubber rollers, short-pile paint roller, e.g. AURO tools), or spraying equipment.

Spraying	High-pressure	Mist reduction (HVLP)	Airmix
Nozzle width	1.0-2.0 mm	1.0-2.0 mm	acc. to manufacturer information
Air pressure	3-5 bar	2-4 bar	acc. to equipment manufacturer information

Drying time at 23°C/ 50% rel. humidity

- Dust dry after approx. 10 hours, dry and workable after approx. 24 hours, final hardness after approx. 5 days.
- Significant drying delays are caused by high humidity, low temperatures and excessive application volumes.
- Drying is a process requiring a take-up of oxygen, therefore adequate air circulation must be ensured.

Density 1.05 -1.25 g/cm³, depending on colour shade.

Viscosity Approx. 30-50 seconds at 20°C, depending on colour shade.

Thinner Product is ready for use, thinnable with max 20 % water.

Consumption rate 0.07 – 0.09 l/m² per coat, corresponds to approx. 70-90 µm wet layer, on smooth, evenly absorbent substrates.
Consumption rates depend on substrate, processing method, surface quality. Determine exact consumption on sample.

Cleaning of tools Immediately after use remove the product residues from the tools by brushing out and wash with AURO Plant Soap No. 411* and water. Remove stubborn product residues by soaking the tools for longer periods in soap solution or with AURO Diluent No. 191* and rinse thoroughly with water to which AURO Plant Soap No. 411* has been added. Experience has shown the effectiveness of rubbing AURO Plant Soap No. 411* into brushes, rollers, etc., then putting them into storage and rinsing them thoroughly with water prior to the next application.

Storage stability At 18° C in unopened original container: 24 months. Store cool, frost-free, dry, out of reach of children, in a tightly closed container.

Packaging material Tinplate.

Disposal Liquid residues: EWC code 080120, designation: aqueous suspension, paints, lacquers. Return completely emptied containers for recycling. Dried product residues can be disposed of as dried paint or with the household waste.

Hazard good class Does not apply. **Solvent content:** EU VOC value according to 2004/42/EC II A (dWb): 130 g/l (2010). **Product VOC:** ≤ 10 g/l.

Attention Danger of self-ignition of drying oils. Consequently, do not crumble used cleaning cloths and the like. Spread them out to dry or store them in an air-tight closed metal container. Observe standard protective measures, e.g. provide for sufficient skin protection and ventilation during the application, wear respiratory equipment when sanding or spraying. Product code: M-DF 03, Natural resin paints, solvent-free. Observe the information on the safe handling of the product, the labelling and hazardous substances contained in the Safety Data Sheet (download from www.auro.com) and on the product label.

Technical recommendations for application

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1. SUBSTRATE

1.1 Suitable substrates Wood indoors/outdoors, wood-based materials indoors only, iron parts after priming with AURO Rust protection primer No. 234*. **Not suited** for floors and for wood with soil contact. Also not suited for level surfaces durably exposed to water or surfaces under strong mechanical load.

1.2 General substrate requirements The substrate must be clean, firm, free of separating or bleeding substances. Use structural wood protection methods.

2. COATING SYSTEM

2.1 Type of substrate: wood

2.1.1 Substrate preparation

- Check substrates and old paint for adhesion and compatibility. Remove non-adhering or unsuitable old paint, e.g. greyed or heavily weathered old coats, completely, to expose the firm wood structure. Round off edges, clean the substrate, roughen, remove dust. Use only rust-free grinding agents.
- For high-quality surfaces on smooth woods, first wet with sponge, allow to dry, fine sanding with the grain, brush out pores, remove all dust and clean.
- Wood rich in active substances and resin, tropical woods: wash with alcohol thinner and repeat fine sanding.
- Remove any substances that come out of the wood such as resin or resin galls; remove damaged wood; seal open wood composites. Fill and level damaged spots with a suited filler. Wood based materials: seal off the edges watertight.
- The product contains no active wood preservatives. A treatment with a wood protection primer tested acc. to DIN 68800 might be necessary.

Important: Please observe the topical sheet *Protecting woods from mould and blue stain* available for download from www.auro.com.

Pre-treat woods rich in active substances with AURO Special Primer No. 117*:

- Wood rich in tanning substances (e.g. oak, chestnut, framire etc.) to prevent drying delays
- Wood with bleeding or staining contents (e.g. larch, red cedar, meranti, etc.) especially before light-coloured or white coatings
- Wood treated with boron salt or boiler pressure impregnated wood to prevent efflorescence.

Important: Observe our information sheet *Universal pretreatment of woods rich in active substances* available for download online.

2.1.2 Basic treatment

Depending on wood type and application method, prime with 1 coat of Hard primer No. 127* or Special primer No. 117* or an approved wood preservative. Alternatively, priming can be done with AURO Gloss paint No. 250 or AURO Satin paint No. 260*, thinned with 10% water.

2.1.3 Intermediate treatment Indoors and outdoors: apply 1 coat of AURO Gloss paint No. 250.

2.1.4 Final treatment

Indoors, add another coat of paint unless the requested colour effect and surface quality is already achieved. Outdoors, it is imperative to add at least 1 or 2 coats of paint to achieve the total consumption volume of at least 0.24 l/m² for optimum protection. Between coats, after drying, fine sanding (220 grit or grinding pad) is recommended, depending on the substrate and surface quality. Be careful not to damage edges and remove all dust thoroughly.

2.2 Type of substrate: uncoated iron parts

2.2.1 Substrate preparation Clean the surface and remove rust down to blank metal with a wire brush or by sanding (60-120 grit).

Remove dust. Do not use rust converters.

2.2.2 Basic treatment

Indoors, only if necessary, e.g. in permanently wet areas: apply 1 even coat of AURO Rust protection primer No. 234*. Outdoors, apply 2 coats of AURO Rust protection primer No. 234*. Inbetween coats, after drying, it is recommended to sand finely (220 grit or grinding pad); do not damage edges; remove dust.

2.2.3 Final treatment As described under 2.1.4. Repeat coating, if necessary to achieve the requested colour effect and surface quality.

2.3 Type of substrate: factory-primed iron parts

2.3.1 Substrate preparation Clean thoroughly, roughen lightly with fine sandpaper (180 grit), remove dust. Coating and adhesion tests must be carried out on substrates with factory pre-treatment.

2.3.2 Basic treatment Does not apply to factory-primed iron parts.

2.3.3 Final treatment As described under 2.1.4. Repeat coating, if necessary to achieve the requested colour effect and surface quality.

3. CLEANING AND CARE

Either clean surfaces with lukewarm water only or use AURO Paint and stain cleaner No. 435*. Do not use alkaline solutions (e.g. ammonia or soap solutions), strongly abrasive scouring or cleaning agents, microfibre etc.

PLEASE NOTE

- Avoid exposure to direct sunlight, moisture and dirt during processing and drying time.
- Minimum processing temperature: 10°C, max. 30°C, max. 85% rel. humidity; optimal is 20-23 °C at 50-65% rel. air humidity.
- Wood moisture content max. 12% in hardwood 15% in softwood
- Stir well before use. Carry out follow-up coatings promptly, following the recommended coating system. Do not expose unfinished coatings to longer weathering periods.
- A certain yellowing effect, especially with lighter colour shades, is typical of the product and does not represent a product defect; the same applies for variation in gloss degree and its reduction in outdoor use and colour shade deviations of different production batches.
- For all exterior coatings, please observe the *Checklist for exterior coatings* (download from www.auro.com).
- The products contains no fungicides or algicides. An infestation can therefore not be excluded.
- Surfaces must be checked and maintained at least twice a year and defects be repaired immediately to provide for durable protection. Timely maintenance and repair provide for longer durability.
- Only use sealants and adhesive tapes that are compatible with the product. On windows and doors, the same coating sequence should be applied indoors and outdoors. Check the sealing of the glass and renew if necessary. Let the coating dry through completely before the windows are closed. Install wooden claddings or construction parts exposed to weathering only after intermediate application has been carried out on all sides.
- All coating work must be adapted to the given object and its use. In particular, see Technical Guidelines No. 18, No. 20, No. 26 of the BFS (Federal Paint and Property Protection Committee) and the Checklist for exterior coatings on www.auro.com.

* 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: 22.03.2017