



# AURO

NATURAL PAINTS

## Technical data sheet

### AURO Gloss Paint No. 250, white and coloured

#### Material type

- Environment-friendly, water-thinnable, cover coat
- Glossy, solvent-free, contains no wood preservatives
- All raw materials are organically based

#### Purpose

- For design, for (diffusable) protection coats on wood, wood-based materials and iron parts
- Indoors and outdoors at least 2 coats with approx. 0.08 l/m<sup>2</sup> per coat

#### Technical properties

- Tested in accordance with DIN EN 71 Part 3, toy safety
- Tested in accordance with DIN 53160, saliva-proof and sweat-proof
- Coloured product tested according to DIN EN 927 for dimensionally stable wood, white for wood with reduced dimensional stability
- Acc. to EN 13300: Abrasion Class 1, Covering Characteristic Class 3 at consumption level of approx. 0.08 l/m<sup>2</sup> (=approx. sufficient for 12.5 m<sup>2</sup>/l), Degree of Whiteness 94%

#### Composition

Water, plant-based binding agent (sunflower seed oil, ricinus oil, linseed stand oil, colophonium glycerine ester, partly as ammonium soaps), mineral pigments, fillers, surfactants (made from rapeseed and ricinus oils and sugar tensides), silicic acids, cellulose ether, drying agents (lead free), borates, lecithin. Natural paints are not free of odours or emissions. May induce allergic reactions. See our definitive current full declaration of contents.

#### Colourhue

White and 8 different hues (see relevant Colour Hue Card or Product List).

Important: The liquid product has a milky appearance, but dries clear and transparent. Differences in colour hue and degree of gloss are possible with different lots. Mix different lots before application. Some colour tones (e.g. pure white, light or very dark) are more sensitive and require more frequent renovation when used out-of-doors. All Gloss Paints No. 250 can be mixed together. Tinting with AURO Silk Gloss Paint, No. 260\* is only feasible for interior work, whereby product changes, for instance degree of gloss, must be taken into account. Customers create mixtures at their own risk.

#### Application methods

Brush, roller (artist's or mixed-fibre bristles, fine-pored foam rubber rollers, short-pile paint roller, e.g. AURO tools).

Spraying equipment	High-pressure	Mist reduction (HVLP)	Airmix
Nozzle width	1,0-2,0 mm	1,0-2,0 mm	acc. to equipment manufacturer information
Air pressure	3-5 bar	2-4 bar	acc. to equipment manufacturer information

#### Drying time under normal climatic conditions (23 °C/ 50% rel. humidity)

- Dust dry after approx. 8-10 hours, dry and workable after approx. 24 hours, cured after approx. 5 days.
- For direct application to woods rich in active substances (see reverse, item 2), significant drying delays are caused by high humidity, low temperatures and excessive application volumes.
- Drying is a process of oxygen uptake. Ensure plentiful and tempered air volume exchange during the drying process.

Density	1.10 -1.25 g/cm <sup>3</sup> , depending on colour hue	Hazard class: Does not apply
Viscosity	approx. 30-60 seconds (DIN 6 mm) at 20 °C, depending on colour hue.	
Thinner	Product is supplied ready for use, thinnable with max 20 % water.	
Consumption volume	0.07 – 0.09 l/m <sup>2</sup> per coat, corresponds to approx. 70-90 µm wet layer, on smooth, evenly absorbent substrates. Consumption volumes depend on substrate, processing method, surface quality. Determine exact consume with test coat.	
Tool cleaning	Carefully brush out product after use, then wash out 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 Plant Thinner 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: 12 months. Store out of reach of children, closed tight, in a cool, dry place protected from frost.	
Container material	Tin plate: Return completely emptied tins for recycling.	
Disposal	Liquid residues: EAK code 080112 or 200128, EAK designation: Paints. Return only containers emptied completely and containing dried product residues for recycling. Dispose of only dried product residues, either as dried paint or with household wastes.	
Important	<b>Risk of spontaneous combustion due to drying oils: Do not crumple used cleaning rags, etc., but allow them to dry by spreading them out singly, or store in a sheetmetal container closed airtight. Product code: M-DF03 Natural resin paints, solvent-free. Switzerland: BAG TNo.: 81766. Normal protective measures must be taken, e.g. protect skin from contact and ensure sufficient ventilation during processing and application. Formore details see Safety Data Sheet. *See Technical Data Sheets.</b>	

#### Notes on processing

- Before product application, check substrate for suitability and product compatibility and stir thoroughly before use
- If substrate testing is not feasible, remove the old coat down to the open wood or intact substrate
- Avoid exposure to direct sunlight, moisture and soiling during processing and drying
- Minimum processing temperature 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
- Apply successive coats quickly after complete drying of each coat
- Do not expose unfinished coats to weather for longer periods
- Take the yellowing effect typical of this product into account
- The degree of gloss varies with the wood type and is reduced in outdoor use.
- The renovation cycle depends, among other things, on the surface wear load and colour selection and may be as long as 5 years or more if the coats are applied properly
- For optimum, lasting protection, the surfaces must be checked and cared for regularly, at least twice yearly; repair damage immediately,
- Depending on the object involved, a shorter renovation cycle may be required. Timely care and renovation measures increase the life of the paint job
- Use only sealants and tapes that are compatible with the products
- Use the same treatment for windows and outside doors, indoors and outdoors
- Do not reinstall wooden components, e.g. windows, wood panels, until intermediate treatment or first topcoat has been carried out on all sides
- Check fenestration seals for proper function and replace as required
- Allow windowframe coats to dry thoroughly before closing windows
- All coating work should first be coordinated with the type of object involved and the use to which it is put. In particular, see Technical Guidelines No. 3, No. 18, No. 20, BES (Federal Paint and Property Protection Committee), Cost Check

**AURO No. 250**

# Technical application recommendations

## AURO Gloss Paint No. 250, white and coloured

### 1. Substrate

**1.1 Suitable substrates:** Wood indoors and outdoors, wood-based materials indoors only, iron parts after pretreatment with AURO Rust Protection Primer No. 234\*. Not for floors or for wood with soil contact.

#### 1.2 General substrate requirements

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

### 2. Successive coats (primer)

**2.1 Substrate type:** untreated wood, wood-based materials.

#### 2.1.1 Substrate preparation

- Round off corners, clean the surface, roughen, carefully remove all dust;
- For high-quality surfaces on smooth woods, first wet with sponge, allow to dry, fine sanding with the grain, brush out pores, carefully remove all dust and clean;
- Use only rust-free grinding agents;
- Wash out resinous and tropical woods with AURO Plant Alcohol Thinner No. 219\* 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;
- Also seal off the edges of wood-based materials watertight;
- The product contains no active (wood preservative) ingredients. Treatment with a wood protection primer tested acc. to DIN 68800 is required in particular for open softwood and wood-based materials, dimensionally stable structural elements and wood shuttering, weathered or in high-humidity rooms.

#### **Pretreat woods rich in active substances with AURO Special PrimerNo. 117\*:**

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

#### 2.1.2 Priming

- Depending on wood type, indoors and outdoors 1 coat of Wood Primer No. 124\* or Special Primer No. 117\* or a tested wood preservative
- As an alternative for interior priming, 1 coat of AURO Undercoat No. 253\* can be used, thinned by up to 10% water

#### 2.1.3 Intermediate treatment

- Replace missing wood with AURO Paint Filler No. 231\*
- Outdoors, apply 1 coat of AURO Undercoat No. 253\*
- Indoors, apply 1 coat of AURO Undercoat No. 253\* if this was not already done

#### 2.1.4 Final treatment

- Indoors and outdoors at least another 2 coats of AURO Gloss Paint No. 250. on smooth, evenly absorbent surfaces, comply with total consumption volume of at least 0.24 l/m<sup>2</sup> (No. 253 approx. 0.08 l/m<sup>2</sup>, 2 x 250 approx. 0.08 l/m<sup>2</sup>) for optimum protection.
- Between coats, after drying, fine sanding (220 grain or grinding pad) and dust removal is recommended, depending on the substrate and surface quality; be careful not to damage edges.

### 2.2 Substrate type: uncoated iron parts

#### 2.2.1 Substrate preparation

- Clean the surface and scour carefully (wire brush), then sand (60-120 grain) and remove rust down to blank metal
- Round off corners, remove dust. Do not use rust converters

#### 2.2.2 Priming

- Indoors, apply 1 even coat of AURO Rust Protection Primer No. 234\*
- Outdoors, apply 2 even coats of AURO Rust Protection Primer No. 234\*
- Between coats, after drying, fine sanding (220 grain or grinding pad) and dust removal is recommended; be careful not to damage edges.

#### 2.2.3 Final treatment: As described under item 2.1.4

### 2.3 Substrate type: Factory-primed iron parts

#### 2.3.1 Substrate preparation

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

#### 2.3.2 Priming: Does not apply to factory-primed iron parts

#### 2.3.3 Final treatment: As described under item 2.1.4

### 3. Successive coats for renovation work

**3.1 Substrate type:** Weathered, greyed or damaged paint (repair)

#### 3.1.1 Substrate preparation

- Check substrates and old paint for adhesion and compatibility.
- Remove old paint that does not adhere firmly, unsuitable old paint, e.g. greyed or heavily weathered old coats, completely to expose the firm wood structure or substrate.

#### 3.1.2 Subsequent treatment: Coats as described under item 2

**3.2 Substrate type:** Intact old paint (maintenance)

#### 3.2.1 Substrate preparation: Thoroughly clean, roughen and free surface from dust.

#### 3.2.2 Priming: Does not apply to intact old paint coats that are firm and adherent

#### 3.2.3 A special additional primercoat of AURO Special PrimerNo. 117\* is recommended.

#### 3.2.4 Final treatment: As described under 2.1.3/2.1.4.

### 4. Cleaning and care

Either clean surfaces with lukewarm water only or use AURO Paint and Glaze Cleaner No. 435\*. Do not use alkaline solutions (e.g. ammonia or soap solutions) or strongly abrasive scouring or cleaning agents.

The information contained in this technical data sheet provides recommendations and possible examples. It is non-binding and does not constitute a basis for liability. Use of advice does not constitute a legal relationship. The information provided reflects the current state of our knowledge and experience and does not free the user from the obligation to make his or her own tests to check the suitability of the product for the intended purpose. State-of-the-art technology must be taken into account for all paint jobs and preparations thereto. Conditions applying to the object and product suitability must be checked and tested properly. This Technical Data Sheet is no longer valid when a new edition appears. Status: 01.04.2004, complete revision

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