

AURO Natural resin oil stain No. 930, coloured and colourless

Type of material

Classic, solvent-based, silk gloss wood coating, free of wood preservatives.

Intended purpose

For transparent decorative coating and protection of wood and wood materials.

Technical properties

- Tested according to DIN EN 71, Part 3, "Safe for Toys."
- Tested according to DIN EN 927 for not dimensionally stable wood.

Composition

Orange oil, sunflower-oil, colophony glycerin ester with organic acids, linseed oil, castor stand oil, mineral pigments, fillers, swelling clays, dryers (cobalt-free), silic acid, lethicin, alcohol. Natural paints are not odourless or free of emissions. May cause allergic reactions. See the current full declaration on www.auro.de.

Colour shade

Various color shades as well as colourless. The colorless product produces a slightly honey shade. See current color charts on www.auro.de.

Application method Brushing with a glazing brush (e.g. AURO Tools).

<i>Spraying</i>	<i>Air Coat</i>	<i>Compressed air</i>	<i>HVLP (mist reduced)</i>
<i>Spraying pressure</i>	<i>50 - 60 bar</i>	-	-
<i>Air pressure</i>	<i>1,5 - 2 bar</i>	<i>2,0 - 2,5 bar</i>	-
<i>Spraying nozzle</i>	<i>flat jet 9/40</i>	<i>0,5 - 1,0 mm</i>	<i>flat jet 0,5 - 1,0 mm</i>

Drying time in standard climate (20 °C/ 65% rel. humidity)

- Set to touch: after approx. 10 hours. Can be over-painted after approx. 24 hours. Final hardness after approx. 8 days.
- High humidity levels, low temperatures and high application rates can significantly delay drying.
- Drying is by way of oxygen absorption. Consequently, ensure adequate tempered ventilation.

Density 0,95 – 1,00 g/cm³, depending on the colour shade.

Viscosity Approx. 20-40 seconds DIN 4 mm at 20 °C, depending on colour shade.

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

Consumption rate 0.03 – 0.05 l/m² per coat, equaling approx. 30 - 50 µm wet coat on smooth, uniformly absorbent substrates. Determine exact consumption on sample.

Cleaning of tools Remove the product residues by brushing them out of the tools. Wash with AURO Orange oil No. 191*. Remove encrusted product by prolonged soaking in AURO Orange oil No. 191*. Rinse thoroughly with water and AURO Plant soap No. 411*.

Storage Store cool, frost-free, dry, in closed container, out of reach of children.

Storage stability In unopened container: 24 months.

Packaging material Tinplate.

Disposal Liquid residues: EWC code 080111, designation: Paints. Only empty containers with dried product residues can be recycled. Only dried product residues can be disposed of as hardened paints or household waste.

Attention

Risk of spontaneous combustion due to drying oils. Do not crumple used cleaning rags, etc., but allow them to dry by spreading them out one by one, or store in a metal container closed airtight. Xn Harmful to health. N Danger for environment. R10 Inflammable. R38 Irritant to skin. R43 Possible allergization through skin contact. R50-53 Very poisonous for water organisms. R65 Can cause lung damage when swallowed. Contains orange oil, may cause allergic reactions. Do not breath in aerosol. Use in well ventilated rooms only. Assure sufficient air circulation. S2 Must not get in the hands of children. S24 Avoid contact with skin. S29 Do not pour into sewage water. S36/S37 Wear appropriate garment and protection gloves S60 Product and container must be disposed of as dangerous waste. S61 Do not let to penetrate into environment. Ask for special instructions / consult Safety Data Sheet. S62 Do not induce vomiting when swallowed. Seek medical advice immediately and present the packaging or label. Product code M-LL04, Oil paints, containing solvents. See Safety Data Sheet, Technical Data Sheets*. EU-VOC limit value according to 2004/42/EG II A (eLb): 400 g/l (2010); product VOC < 400 g/l.

Technical recommendations for application

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1. SUBSTRATE

1.1 Suitable substrates Wood, interiors and exteriors; wood materials only for interior use. Colourless glaze only for interior areas or surfaces that are not exposed to free weathering.

1.2 General substrate requirements

The substrate must be clean, able to support the paint and free of releasing agents or staining substances. Take into account the wood preservatives that are used in construction work.

2. COATING SYSTEM (FOR INITIAL COATING)

2.1 Substrate preparation

- Round edges, clean substrate, roughen, use rust resistant tools, remove all dust.
- For high-quality surfaces on smooth woods, first wet with sponge, allow to dry, finely sand with the grain.
- Brush out pores, remove all dust and clean. Always wear protection mask when sanding.
- Wood reach in substances, resinous and tropical wood needs to be washed with alcohol thinner and finely sanded again.
- Remove any substances that come out of the wood such as resin or resin galls; remove damaged wood; seal open wood composites.
- 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 might be required, in particular for open softwood and wood-based materials, dimensionally stable structural elements and wood shuttering, weathered or in high-humidity rooms. Please see our information sheet *Protecting woods from mould and blue stain* available for download online.
- Test substrates and all coatings for adhesion and compability. Clean and roughen before painting.
- Remove not supportive, not suitable old coatings completely down to the supportive wood.

2.2 Basic treatment

- Apply 1x AURO Natural resin oil stain No. 930 thinned with up to 20% AURO Orange oil No. 191* for priming.
- Alternatively, exposed, heavy-wear or weathered surfaces can be primed with AURO Special primer No. 117*.

2.3 Intermediate treatment Apply 1x AURO Natural resin oil stain No. 930 without thinning.

2.4 Final treatment

- Indoor surfaces can be treated once again, depending on the colour effect and surface quality.
- Outside surfaces, especially heavily exposed surfaces, at least 3 coatings are recommended.

3. MAINTENANCE AND CARE

Clean the surfaces with lukewarm water and AURO Paint and stain cleaner No. 435*. Do not use any lyes (e.g. ammonia solution or soap lye) or abrasive cleaning agents.

4. REMARKS

- 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.
- Stir product thoroughly before use. Mix product of varying batches together.
- Natural resin oil stains may create different appearance on different woods. Carry out trials and tests.
- All natural resin oil stains can be mixed with each other. Additionally they can be tinted by adding up to 20% of AURO Color concentrates No. 150*.
- Adding colourless stain to coloured / pigmented stains reduces their durability and shortens the renovation cycles. Own mixing at own risk.
- Apply successive coats quickly after complete drying of each coat.
- Take the yellowing effect typical of this kind of product into account.
- The degree of gloss varies with the wood type and is reduced in outdoor use.
- For optimum, lasting protection, the surfaces must be checked and cared for regularly, at least twice yearly; repair damage immediately.
- Depending on the quality of surface, it is recommended, to grind between the applications (after drying). Use fine sand paper (grid 220) or sanding pad. Do not destroy edges. Remove dust.
- Use only sealants and tapes that are compatible with the products
- Surfaces exposed to heavy mechanical use (furniture, worktops, window sills): apply coatings thinly and sparingly. Leave for drying several weeks, if necessary. The product remains elastic, soft and is only limitedly wear resistant, not fully resistant to cracks and scratches. Not suitable for flooring or wood in contact with soil.
- Observe the Technical Guidelines of the BFS (Federal Paint and Property Protection Committee), and the Check list for exterior wood coatings (download at www.auro.de).
- All coating work should first be coordinated with the type of object involved and the use to which it is put.

* 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: 02.05.2012 technical data |16.08.2013 full declaration