

## AURO Hard oil No. 126

### Type of material

- Environmental friendly, transparent impregnation containing solvent; also suitable as sole treatment.
- Without wood preservatives; consistent selection of ecologically friendly raw materials.

### Intended purpose

- As a primer for absorbent surfaces to be treated with oil and wax products.
- As sole treatment for wood and cork surfaces of average/normal exposure to use.
- Only for interiors and surfaces not exposed to weathering conditions.

### Technical properties

- Tested according to DIN EN 71, Part 3, "Safe for toys".
- Tested according to DIN 53160, "Saliva- and perspiration-proof".
- Equalizes differing absorbency rates, open-pored.

### Composition

Orange oil; wood-oil; linseed-oil; colophony glycerin ester w. organic acids; sunflower oil; castor stand oil; fatty acids; drying agents (cobalt-free). Natural products are neither odourless nor emission-free. Consider possible allergic reactions. Current full declaration on [www.auro.de](http://www.auro.de).

**Colour shades** Transparent, a slightly honey-coloured tinting effect on wood. Tintable with AURO Colour concentrates for natural resin oils No. 150\* up to 5% max. The stain tones differ in appearance when applied to different woods, so that a test coat is always advisable.

### Application method

Brushing (brushes, surface coaters), dipping or spraying

Spraying	Air Coat	Compressed air	HVLP (mist reduced)
Equipment	GM 2600/Wagner	Sata LM-92	Fine Coat/Wagner
Spraying pressure	50 - 60 bar	-	0,5 bar
Air pressure	1,5 - 2 bar	2,0 - 2,5 bar	0,5 bar
Spraying nozzle	flat jet 9/40	1,0 - 1,3 mm	flat jet 1,2 mm

### Drying time in standard climate (23 °C/ 50% rel. humidity)

- Penetration into substrate: approx. 10-30 minutes.
- Dust dry: after approx. 10 hours.
- Can be over-painted after approx. 24 hours.
- Final hardness: achieved after approx. 4 weeks. Treat gently during this period and avoid exposure to moisture.
- High humidity, low temperatures and high application rates will significantly lengthen the drying time.
- 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** 0,88 g/cm<sup>3</sup>. **Danger Class** UN 1263, ADR 3, VbFA II, inflammable. **Viscosity** Approx. 12 seconds DIN 4 mm at 20 °C.

**Thinner** Ready for application; can be thinned with max. 30% AURO Orange oil No. 191\*.

**Consumption rate** Approx. 0.05 l/m<sup>2</sup> per coat, depending on the substrate, manner of application, and surface quality. Test coating is recommended to establish the exact application rate.

**Cleaning of tools** Immediately after use remove product residuals and wash with AURO Orange oil No. 191\*. Wash thoroughly with water and AURO Plant soap No. 411\*.

**Storage stability** Keep out of reach of children. Store in a tightly closed container in a cool, frost-free and dry environment. In the original tightly closed container at 18 °C: 24 months.

**Packaging material** Tinplate; only recycle empty containers.

**Disposal** Liquid residues: EWC code 080111 or 200127, 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** Product is combustible. R 10 Inflammable S 16 Keep away from ignition sources. Do not smoke. Danger of spontaneous ignition of drying oils. Consequently, do not crumple used cleaning cloths and the like. Spread them out for drying or store them in an air-tight closed metal container. Contains orange oil. R 65 Can cause lung damage when swallowed S 23 Do not inhale vapour/aerosol. S 51 Only use in well ventilated rooms. S 62 Do not induce vomiting when swallowed and immediately consult a doctor and present the container or the label. Product Code: Ö100, oils/waxes, intensely solvent based. BAG-T no.: 81752. The customary protective measures must be observed, e.g. ensure adequate skin protection and ventilation during application. Observe the Safety Data Sheet and Technical Data Sheets\*.

### REMARKS

- Before product application, check substrate for suitability and product compatibility. Stir well before use.
- Avoid exposure to direct sunlight, moisture influences and dirt during application and drying process.
- A slightly greenish color is possible but will disappear in the course of time.
- Some materials such as e.g. iron fillings and iron dust may cause discoloration; any contact must be avoided.
- Products of varying batch numbers should be mixed together before use in order to compensate for possible batch differences.
- 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.
- 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.
- 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.

# Technical recommendations for application

## AURO Hard oil No. 126

### 1. SUBSTRATE

**1.1 Suitable substrates** Wood, wood based materials, cork, unglazed clay tiles, interior only.

**1.2 General substrate requirements** Substrate must be solid, dry, chemically neutral, absorptive, free of grease, clean, adhesive and free of substances bleeding through.

### 2. COATING SYSTEM (FOR INITIAL COATING)

**2.1 Type of substrate** wood surfaces

#### 2.1.1 Substrate preparation

- Water the wood, leave for drying, sand finely, brush out the pores in the direction of fibre, remove sand and dust thoroughly.
- Wood reach on substances, on resin or grease is to be washed with an alcohol solution.
- For wood based materials, such as layered glued fiberboard or the like, observe the coating instructions of the producer.

#### 2.1.2 Basic treatment

- The product must not fill up material joints, indentations, etc. during application, as this will significantly lengthen the drying period in such areas.
- Apply the product evenly on to the substrate with a paint pad and a tray; **do not pour onto the surface.**
- Depending on the absorbency of the substrate, thin by adding up to 30% AURO Orange oil No. 191\*.
- Excessive product that has not soaked into the substrate must be rubbed into the substrate thoroughly, spread evenly and removed before starting to dry, **latest within 10 min**; a fluffy-free cloth, white or beige pad or the like should be used.
- Do not work with layers; product must penetrate completely into the substrate, do not build up a film.

**WARNING:** Product that has filled floor joints can, in adverse circumstance, cause side bonding, resulting in torn joints and creaking noises. This can be avoided by surfacing the floor with a suitable joint putty solution. Observe the manufacturer's instructions and carry out trial applications.

#### 2.1.3 Intermediate treatment

- Intermediate treatment is generally necessary for floors subject to heavy wear, as well as waxed or oiled surfaces and intensely absorbent substrates.
- Carry out a light intermediate sanding (180-220 grit, depending on the base).
- Proceed as described in 2.1.2.
- Allow to dry for at least 24 hours. Avoid exposure to dirt and moisture while drying.

#### 2.1.4 Final treatment

The following final treatments are possible, depending on the substrate and expected surface wear:

- With AURO Hard oil No. 126\*,
- With AURO Hard wax No. 171\*,
- With AURO Furniture balsam No. 173\*,
- With AURO Liquid wax No. 981.

**2.2 Type of substrate** Cork

#### 2.2.1 Substrate preparation

Clean the substrate; prepare cork according to the instructions of manufacturer (possibly sand slightly). Ensure that all sanding dust is completely removed.

#### 2.2.2 Basic treatment

Proceed as described in 2.1.2. The irregular surface structure of cork can produce an irregular surface appearance.

#### 2.2.3 Intermediate treatment

Proceed as described in 2.1.3, but without intermediate sanding. Intermediate treatment may have to be repeated with highly absorbent types of cork.

#### 2.2.4 Final treatment

Use an extremely thin layer of AURO Hard wax No. 171\* according to the given instructions. Alternatively, apply another coat of AURO Hard oil No. 126\* if the surface is only oiled.

**2.3 Type of substrate** Non-glazed clay tiles (e.g. Cotto)

#### 2.3.1 Substrate preparation

Clean the substrate; remove all cement stains. The substrate must be completely clean, dry and chemically neutral before it is treated for the first time.

**2.3.2 Basic and intermediate treatment** Proceed as described in 2.1.2 and 2.1.3, but without intermediate sanding.

**2.3.3 Final treatment** Proceed as described in 2.2.4.

### 3. COATING SYSTEM (FOR RENOVATION COATING)

**3.1 Type of substrate** Heavily worn out or damaged surfaces (repair)

#### 3.1.1 Substrate preparation

Heavily worn out or damaged surfaces must be removed right down to the intact substrate. Clean the surface thoroughly, sand slightly and remove all dust. Partial areas can be repaired; color shade differences can arise, depending on the used end product and wear severity. Coats that cannot be recoated or are not adhesive must be completely removed and then built up again as described in 2.

**3.2 Type of substrate** Intact surfaces (maintenance)

**3.2.1 Substrate preparation** Clean the surface thoroughly, sand slightly and remove all dust.

**3.2.2 Basic and intermediate treatment** Basic treatment is not necessary with intact old surfaces; otherwise proceed as described in 2.1.2 and 2.1.3.

**3.2.3 Final treatment** Proceed as described in 2.1.4.

### 4. CLEANING AND MAINTENANCE

- After surface treatment avoid exposure to water for approx. 4 weeks.

- Depending on the final treatment, clean the surface with lukewarm water or use e.g. AURO Paint and stain cleaner No. 435\*. For very dirty surfaces use AURO Power cleaner No. 421\*.

- Do not use any lyes (e.g. ammonia solution or soap lye) or abrasive cleaning agents (including micro-fibres).

- Intensely worn surfaces require corresponding after-treatment in accordance with the degree of wear, e.g. with Care oil No. 106\*, Care wax No. 107\*.

\* 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: 01.07.2008 technical data |08.08.2013 full declaration