

## **AURO Linseed oil varnish No. 143**

### **Type of material**

Transparent, cold-pressed linseed oil varnish for interiors.

### **Intended purpose**

- Impregnating, water-resistant protection for all interior wood types.
- Can be used outdoors with some limitations after adding at least 10% AURO Colour conc. for natural resin oils No. 150\*.
- Can be mixed with semi- and other primer oils using AURO Orange oil No. 191\*.
- As pure oil binding agent to produce your own oil paints.

### **Technical properties**

- High coverage
- Slightly glossy
- Typical product odour during application and drying.
- Excellent penetration
- Adheres very well
- Very slow drying
- Remains very elastic

### **Composition**

Linseed oil (from regional, drying agent (cobalt-free).

Natural paints are not odourless or free of emissions. May cause allergic reactions. Natural products are not odour- nor emission-free. See the current full declaration on [www.auro.de](http://www.auro.de).

### **Colour shade**

Transparent, slightly yellowish; gives wood a honey tone. Can be toned down using AURO Colour conc. for natural resin oils No. 150\*.

### **Application method** With brush

### **Drying time in standard climate (23 °C/50% relative air humidity)**

- Dust dry: after approx. 48 hours;
  - Can be re-coated: after approx. 3 days;
  - Fully hardened: only after approx. 4 weeks; treat carefully during this time, avoid any contact with moisture.
- High air humidity, low temperatures, exposure to water or liquids (even short-term), high application volumes and insufficient air supply 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). Ensure sufficient and tempered ventilation during the entire drying time.

**Density** 0,92 g/cm<sup>3</sup>    **Hazard class** Does not apply. When thinned for use: VbF A II, flammable

**Viscosity** Approx. 18 seconds (DIN 4 mm) at 20 °C.

**Thinner** AURO Orange oil No. 191\*.

**Consumption rate** Average quantity used approx. 0.03 l/m<sup>2</sup> per coat, depending on substrate, method of application, surface quality. Determine exact consumption on sample.

**Cleaning of tools** Use AURO Orange oil No. 191\* rinse off using AURO Plant soap No. 411\* and water.

**Storage stability** Store in a sealed container in a dry, cool but frost-free place. At 18 °C in unopened original container: 24 months.

**Packaging material** Tinplate. Only recycle completely empty containers with dry products residues.

### **Attention**

Risk of self-combustion from drying oils. Therefore store cloths and tools etc. in an airtight, non-flammable container or leave to dry separately spread out flat. Ensure adequate skin protection and air ventilation during application. Ensure a strong (cross) ventilation. Keep out of the reach of children. Product code: GISCODE Ö 10+, solvent-free, butanoxim-free oils/waxes. For further details: see EC- Safety Sheet and Technical Data Sheets\*.

### **REMARKS**

- Check substrate for suitability and compatibility.
  - Avoid direct sunlight or contact with moisture during application.
  - Temperature during application min. 10 °C, max. 85 % relative air humidity.
  - Wood moisture content max. 12% in hardwood 15% in softwood.
  - Some materials such as e.g. iron fillings and iron dust may cause discoloration; any contact must be avoided.
- Product is free of active substance (biocide). It must therefore be checked whether a suitable wood protection is to be carried out, especially with softwood and dimensionally stable components.
- Use only sealants and adhesive strips tolerated by the product.
  - Stir well before use.
  - Products containing oil are thermoplastic and soften under heat. Therefore ensure oil-treated surfaces are fully dry before placing anything on them.
  - Take the yellowing effect, typical of this product, into account.
  - The retreatment cycle is 2-4 years depending on use. With exposed surfaces subject to heavy use, retreatment should be carried out as required.
  - For optimum, lasting protection, the surfaces must be checked and cared for regularly; repair damage immediately.

## Technical recommendations for application

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#### **1. SUBSTRATE**

**1.1 Suitable substrates** Untreated woods, wood based materials, unglazed clay tiles.

#### **1.2 General substrate requirements**

The substrate must be firm, dry, chemically neutral, absorbent, clean, with no through-bleeding or anti-adhesive substances.

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

**2.1 Type of substrate** Wood, wood based materials

##### **2.1.1 Substrate preparation**

- For high-quality surfaces, first water, leave to dry, sand finely, brush out in the direction of the fibre, carefully remove dust;
- Round off edges, clean substrate, grind;
- Wood reach in substances and resin needs to be washed with an alcohol solution.

##### **2.1.2 Basic coating**

- Before painting, thin at a ratio of at least 1:2 using AURO Orange oil No. 191\*.
- If required, can also be applied without thinning after being carefully warmed in a water bath at approx. 40 °C.
- After dried, carefully carry out the intermediate sanding using fine sand paper (grit size 220) or sanding pad without damaging the edges, thoroughly remove dust.
- Treat highly absorbent substrates several times until they absorb no more.
- Product must fully penetrate the substrate.
- Before drying, any excess residue must be removed or rubbed in within max. 30 min. Use a smooth brush or non-fluffy cloths.

##### **2.1.3 After-treatment**

- As 2.1.2. If thinned for use: thinned at least 1:1 with AURO Orange oil No. 191\*. Or
- Use AURO waxes No. 171\*, 971\*, 981. Use primer thinned at least 1:3 with AURO Orange oil No. 191\*.

**2.2 Type of substrate** Unglazed clay tiles

Basic coating and subsequent treatment: see 2.1.2 and 2.1.3

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

**3.1 Type of substrate** Worn, damaged old coats on wood and wood based materials (maintenance)

##### **3.1.1 Substrate preparation**

- Carefully remove damaged, unsuitable old coats and grey, damaged sections of wood.
- Proceed as described in 2.1.1.

**3.1.2 Basic coating and after treatment** As 2.1.2 and 2.1.3.

**3.2 Type of substrate** Intact old coats on wood and wooden materials (maintenance)

##### **3.2.1 Substrate preparation**

Clean surfaces thoroughly and rub down lightly. Fully remove non-adhesive old coats.

**3.2.2 Substrate preparation when removing old coats** As 2.1.1.

**3.2.3 Substrate coating and after treatment** As 2.1.2 and 2.1.3.

#### **USE AS OIL BINDING AGENT**

##### **Producing your own, inexpensive oil paints**

**3.4.1** Leave pigment with a little added AURO Orange oil No. 191\* and linseed oil varnish to stand for at least 1 day. Then add the remainder of the linseed oil varnish to the compound and stir in well. Or

**3.4.2** Add up to 20% AURO Colour conc. for natural resin oils No. 150\*. Note: may take longer to dry.

#### **4. CLEANING AND MAINTENANCE**

- Wipe surfaces with a damp cloth, use AURO Paint and stain cleaner No. 435\* depending on the level of dirt.
- Do not use any caustic solutions (e.g. ammonium chloride solutions, soapy water) or scouring, abrasive cleaning agents.

\* See respective Technical Data Sheets.