

AURO Linseed oil varnish No. 143

Technical Data Sheet

Type of substance

Transparent, cold-pressed linseed oil varnish for interiors.

Intended use

- Impregnating, water-resistant protection for all interior wood types.
- Can be used outdoors 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 Thinner 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, controlled biological contract cultivation), Co/Zr drying agent (lead-free).

Natural paints are not odourless or free of emissions. Beware of possible allergies. Our current full declaration is definitive.

Colour tone

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

Drying time in a standard atmosphere (23 °C/50% relative air humidity)

- Bone dry: after approx. 48 hours;
 - Can be retouched: 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 and using higher quantities considerably delay drying. Drying occurs by absorbing oxygen. During drying, ensure adequate, warm ventilation.

Density	0,92 g/cm ³	Dangerous material class: not applicable. When thinned for use: VbF A II, flammable
Viscosity	approx. 18 seconds (DIN 4 mm) at 20 °C.	
Method of application	Painting	
Thinning agent	AURO Thinner No. 191*.	
Quantity used	Average quantity used approx. 0.03 l/m ² per coat, depends on base, method of application, surface quality. Ascertain precise use through sample coat.	
Cleaning tools	Use AURO Thinner No. 191, rinse off using AURO Plant soap No. 411 and water.	
Storage	Store in a sealed container in a dry, cool but frost-free place. Shelf life in unopened original container: approx. 2 years.	
Packaging material	Tinplate. Containers emptied of residue can be recycled.	
Safety instructions	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 ventilation during application. Thorough (cross) ventilation. Store product out of the reach of children. Product code: Ö 10, oils, waxes, solvent-free. For further details: see EC-safety information sheet and instructions on disposal. See Technical data sheets*.	

Application instructions

- Check base 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 dampness max. 12% for deciduous wood, 15 % for coniferous wood.
- Discoloration of the treated surface may be caused by, e.g. iron filings and dust, etc. therefore 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 coniferous wood, 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.
- Product will yellow.
- The retreatment cycle is 2-4 years depending on use. With exposed surfaces subject to heavy use, retreatment should be carried out as required.
- Regular checks and maintenance of coats and retreatment where necessary will ensure long-term durability.

Technical recommendations on application

AURO Linseed oil varnish No. 143

1. BASE

1.1 Suitable bases: Untreated woods, wooden materials, unglazed earthenware tiles.

1.2 General base requirements:

The base must be firm, dry, chemically neutral, absorbent, clean, with no penetrating or anti-adhesive substances.

2. BUILDING UP COATS (BASE COAT)

2.1 Base type: wood, wooden materials

2.1.1 Base preparation:

- for high-quality surfaces, first wash, leave to dry, finely rub down, brush down in the direction of the grain, carefully remove dust;
- round off edges, clean base, rub down;
- rinse down woods rich in content and resins using AURO Plant alcohol thinner No. 219;

2.1.2 Basic treatment:

- to paint, thin at a ratio of at least 1:2 using AURO Thinner No. 191*.
- if required, can also be applied without thinning after being carefully warmed in a water bath at approx. 40 °C.
- after it has dried, carefully rub down in between coats using fine sand paper (grain size 220) or sanding pad without damaging the edges, thoroughly remove dust.
- treat highly absorbent bases several times until they absorb no more.
- product must fully penetrate the base.
- before drying, any excess residue must be removed or rubbed in within max. 30 mins. using a smooth brush or non-fluffy cloths.

2.1.3 Subsequent treatment

- as 2.1.2. If thinned for use: thinned at least 1:1 with AURO Thinner No. 191*. Or
- using AURO waxes No. 171, 971, 981*. Use primer thinned at least 1:3 with AURO Thinner 191*.

2.2 Base type: Unglazed earthenware tiles

- Basic and subsequent treatment: see 2.1.2 and 2.1.3

3. REDECORATION

3.1 Base type: Worn, damaged old coats on wood and wooden materials (maintenance)

3.1.1 Base preparation

- carefully remove damaged, unsuitable old coats and grey, damaged sections of wood.

3.1.2 Base preparation: as 2.1.1.

3.1.3 Basic and subsequent treatment: as 2.1.2 and 2.1.3.

3.2 Base type: Intact old coats on wood and wooden materials (maintenance)

3.2.1 Base preparation:

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

3.2.2 Base preparation when removing old coats: as 2.1.1.

3.2.3 Basic and subsequent treatment: as 2.1.2 and 2.1.3.

3.3 Base type: Unglazed earthenware tiles

- Remove old coats, clean, then as 2.1.2 and 2.1.3.

3.4 USE AS OIL BINDING AGENT

Producing your own oil paints economically:

3.4.1 Leave pigment with a little added AURO Thinner 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 work 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 CARE

- 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.

5. INSTRUCTIONS ON DISPOSAL

Despite the fact that they are biodegradable, do not pour product residue into waste water or sewage system but stored in a sealed container and use up later. Disposal of liquid waste according to European directive on waste: EAK 080102 or 200128, paints.

The details in this Technical data sheet are the result of research and practical trials. They serve as information and advice but do not exempt the purchaser and user from testing the products themselves for their suitability for the intended purpose. This data sheet is therefore not binding and no liability arises from it. The relevant latest technology should be borne in mind in all painting work and its preparation. Relying on our technical advice does not constitute an advisory relationship. This data sheet will cease to be valid when a new edition is published. Last updated: 01.02.2003, revised and new layout

AURO