

AURO

Technical Information Leaflet

AURO Hard Oil, White No. 126-90

Nature of the Material

White varnishing oil impregnant for internal use.

Use

- For the refinement and protection of interior wood surfaces, above all for furniture.
- As a sole treatment for rationalised application in trade and industry.
- Also suitable for floors.

Technical Properties

- Good working properties
- Asurface refinement that is easy to care for and easily renewed.
- Tested in accordance with DIN EN 71, Part 3, Safety of toys, Migration of heavy metals.
- Tested in accordance with DIN 53160, saliva and sweat resistant
- Natural products are not emission-free and produce a typical odour on account of the raw materials used in their formulation.

Composition

Linseed oil (from controlled regional organic cultivation), linseed, castor and wood oil stand oils, dammar, glycerine esters of zinc, lime and colophony, titanium dioxide (with recycling of waste sulphuric acid), orange oil, alcohol, silicate clay, silica, lecithin, drying agent.

Observe the possibility of allergies to natural substances.

The information contained in our current full declaration is binding.

Colour Shade(s)

White varnish.

Density

Approx. 0.90 g/cm³.

Application Methods

Apply by brush, roller or, to a limited degree, by spraying.

Examples of spraying methods (compressed air, airless, air mix, etc.) are as follows:

<i>Spray method</i>	<i>Aircoat</i>	<i>Compressed air</i>
Equipment	GM 2600/Wagner	Sata LM-92
Spray pressure	160 - 180 bar	-
Air pressure	2.0 bar	1.5 - 2.0 bar
Spray nozzle	7/40	1 - 1.5 mm

Variations in spray pressure, air pressure and nozzle sizes and appropriate thinning are possible when using spraying methods.

Viscosity

16 seconds (DIN 4 mm) at 20 °C.

Hazard Classification

Flame point: approx. 48 °C.

Regulations on Combustible Liquids: VbF AII.

Hazard class for road/rail: Class 3, Number 31c.

United Nations: UN No. 1263, Paint or paint-related substances.

European disposal code: 080102, Waste paints and lacquers not containing halogenated solvents.

Thinners

Product is ready for use, can be thinned with AURO Vegetable Balsam Thinners No. 191.

Coverage

Average coverage approx. 0.03 l/m² per coat, can vary depending on the method of application, surface quality and nature of the surface. Exact coverage values should be determined on the actual object.

Drying Time in Normal Climates

- Touch dry: in approx. 10 hours.
- Dry and re-paintable: in approx. 24 hours.
- Final hardness is not achieved until after approx. 4 weeks: during this time, the surface should be treated carefully and prevented from coming into contact with water.

The drying times quoted are based on normal climatic conditions (20 °C, 65 % relative humidity). In cases of high humidity, low temperatures and application of excessive quantities, the drying time may be considerably prolonged. To prevent stickiness and delays in drying, the quoted coverage values should not be exceeded. The consumption should be checked during use. Drying is effected in part by absorption of oxygen, therefore adequate ventilation at a regulated temperature should be provided during application and drying.

Cleaning of Utensils

- Clean brushes, rollers and spraying equipment immediately after use using AURO Vegetable Balsam Thinners No. 191.
- Following this, wash using AURO Vegetable Soap No. 411 and rinse with clean water.

Storage

Store in closed containers in a cool place protected from frost. Stored in the unopened container, the product is stable for approx. 1 year.

Packaging Materials

Tin-plated steel. Empty containers containing only residues can be recycled..

Safety Advice

Soaked cleaning cloths and polishing utensils can self-ignite owing to their content of evaporating oils. Such items must therefore be kept in tightly closed metal containers or spread out individually to dry before being disposed of. The product can form ignitable vapours during use. Keep away from sources of ignition. Make provisions for adequate skin protection and ventilation during use. Provide **intensive ventilation** (cross-ventilation).

Even natural paints and varnishes must be kept out of the reach of children. Further information can be obtained from the EC Safety Data Sheet according to 91/155/EEC and from the information on disposal.

When working with other AURO products, please observe the appropriate Technical Information Leaflets.

Recommendations for Application

AURO Hard Oil, White No. 126-90

1. SURFACE

1.1 Suitable surfaces

All types of wood and wooden materials, mainly furniture.

1.2 General requirement for the surface

The surface must be firm, smooth, dry, chemically inert, absorbent, grease-free, clean and must not contain substances which can bleed out.

2. COATING SEQUENCE ON UNTREATED SURFACES (INITIAL APPLICATION)

2.1 Preparation of the surface

- Round off any edges and clean the surface, sand lightly if necessary. Thoroughly remove all dust
- To achieve a high-quality surface, first moisten the surface using a sponge and allow to dry, then sand finely and brush out the pores in the direction of the grain. Carefully remove all dust.
- Wash out highly-filled woods (e.g. walnut or mahogany) or resinous woods with AURO Vegetable Alcohol Thinners No. 219.

2.2 Primary treatment

- Apply AURO Hard Oil No. 126-90 evenly - do not pour onto the surface. If required, dilute with up to 20% AURO Vegetable Balsam Thinners No. 191.
- Using a clean brush or a lint-free cloth, work in or spread any excess material evenly over the surface before it can dry (within 10 minutes), or remove it.

2.3 Final treatment

- As described under 2.2.
- Several coats are necessary on absorbent wood varieties or if the surface is subject to high levels of wear. In this case, light sanding between the coats is recommended. On floors, a final treatment with AURO Natural Hard Oil Impregnating Clear Varnish No. 126 is beneficial.

3. COATING SEQUENCE FOR RENOVATION OF THE COATING

3.1 Type of surface: heavily worn or damaged surfaces (repair)

3.1.1 Preparation of the surface

If surfaces are extremely worn or damaged, the coating must be removed down to the bare wood.

Thoroughly clean the surface, sand it lightly and remove all dust. In the case of previously oiled surfaces, renovation can be limited to the repair of partial areas. However, differences in colour may be evident, depending on the degree of wear.

Any previous water-thinnable synthetic resin coating must be removed completely, as the product may not be applied to these coatings.

3.1.2 Preliminary treatment

As described under 2.2.

3.1.3 Final treatment

As described under 2.3.

3.2 Type of surface: intact surfaces (maintenance)

3.2.1 Preparation of the surface

Thoroughly clean the surface, sand it lightly and remove all dust.

3.2.2 Preliminary treatment

No preliminary treatment is necessary on intact surfaces.

3.2.3 Final treatment

As described under 2.3.

Notes on use

- Exposure to damp and direct sunlight must be avoided at all times during use.
- Minimum temperature of product and surroundings 12 °C.
- The moisture content of the wood must not exceed 15 %.
- Iron filings and iron dust can cause a discoloration of the treated surface, any such contact must therefore be avoided in all cases.
- Before using elastic sealants, for example on windows, first check for compatibility with the product.
- Carefully protect the surface when carrying out plastering work. Use only masking tape which is compatible with the product.
- Stir well before and during use.
- Products with different batch numbers may be dissimilar. Please take account of this fact when purchasing. Products with different batch numbers should be mixed together before use.
- The natural vegetable oils contained in the product can cause yellowing of surfaces subjected to heat or to low levels of light.
- For optimum protection, it is recommended that the surfaces be regularly checked and maintained and damaged areas immediately repaired.

4. CLEANING AND CARE

Clean the surface only with a cloth moistened with warm water, to which a suitable cleaning and care product such as AURO Paint and Varnish Cleaner No. 435 may also be added. Do not use any lyes (e.g. ammonia solution, strong soap solutions). Do not clean with abrasive cleaners.

5. DISPOSAL OF PRODUCT RESIDUES

In spite of its biological degradability, do not dispose of the product into waste water. Do not discard any residual product, but keep in a tightly closed container for re-treatment at a later time, or for use for another purpose.

AURO products and their cleaning solutions used for cleaning equipment and utensils are comparable with household waste in terms of their constituents, and can therefore be composted in a dry state. Empty containers containing residues should be recycled. Current legal requirements for paints and paint residues must be observed. Disposal according to European disposal code: 080102, Waste paints and lacquers not containing halogenated solvents.

This Technical Information Leaflet has been compiled based on the recommendations of the General Association of German Painting and Decorating Trades. All of the information provided is the result of many years of research and practical trials. Its purpose is to inform and advise, but does not absolve the purchaser and user from the duty of performing their own tests to determine the suitability of the product for the intended application. For this reason, no liability may be inferred from this information. This Information Leaflet is valid until replaced by a new issue. Issue date 01.06.1998.

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