Technical Data Sheet

AURO Hard oil, white No. 126-90

Type of material: White glazing oil oil impregnation for indoor use.

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

Technical properties
- Easy to process
- A surface 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 neither odourless nor emission-free.

Composition
Orange terpenes, linseed oil, tung oil, colophony glycerol ester with organic acids, titanium dioxide, sunflower oil, castor oil, fatty acids, drying agents (cobalt-free), lecithin, silica. Current full declaration on www.auro.de.

Colour Shade
White, glazing.

Application Method
Apply by brush, roller or, to a limited degree, by spraying (compressed air, airless, air mix, etc.):

Spray method	*Aircoat*	*Compressed air*
Equipment	GM 2600/Wagner	Sata LM-92
Spray pressure	160 - 180 bar	-
Air pressure	2.0 bar	1.5 - 2.0 bar
Spray nozzle	Flat jet 7/40	1,0 - 1.5 mm

Drying time in standard climate (23 °C/ 50% rel. humidity)
- Dust dry: after approx.10 hours.
- Can be overcoated after approx. 24 hours.
- Final hardness: achieved after approx. 4 weeks. Treat gently during this period and avoid exposure to moisture.
- Drying is initiated by oxygen uptake, therefore provide for sufficient and tempered ventilation during the entire drying time.

Density: Approx. 0.90 g/cm^3

Viscosity: Approx. 16 seconds (DIN 4 mm at 20 °C).

Thinner: Product is ready for use, can be thinned with AURO Diluent No. 191*.

Consumption rate
Average coverage approx. 0.03 l/m^2 per coat, can vary depending on the method of application, type of substrate and surface quality. Exact coverage values should be determined on the actual object.

Cleaning of tools
Spread our product residues immediately after use and clean tools with AURO Diluent No. 191*. Wash thoroughly with water and AURO Plant soap No. 411*.

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

Packaging material Tinplate; only recycle empty containers.

Disposal Liquid residues: EWC code 080111 or 200127, designation: Paints. Return for recycling only containers emptied completely or containing dried product residues. Dispose of only dried product residues, either as dried paint or with household waste.

Attention
Risk of spontaneous ignition of drying oils. Spread used rags, etc. evenly one by one and allow to dry (do not crumple!), or store in tightly closed tin containers. Hazard class UN 1263, class 3, flammable. For information on the safe handling of the product, for product labelling and for hazardous goods regulations, please refer to the current Safety Data Sheet and the product label.
EU VOC limit value acc. to EU 2004/42(EU II A (aWb): 700 g/l (2010). Product VOC: <= 450 g/l.

Technical 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 neutral, absorbent, grease-free, clean and must not contain substances which can bleed out.

2. COATING SEQUENCE ON UNTREATED SURFACES (INITIAL APPLICATION)

2.1 Substrate preparation

- 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.
- Wood rich in active substances, resin or grease (e.g. walnut or mahogany) has to be washed down with an alcohol solution.

2.2 Basic treatment

- Apply AURO Hard oil, white evenly - do not pour on the surface. If required, dilute with up to 20 % of AURO Diluent No. 191*.
- Using a clean brush or a lint-free cloth, rub 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 coats is recommended. On floors, a final treatment with AURO Hard Oil No. 126* is beneficial.

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 sanded down to the intact substrate. Clean the surface thoroughly, sand slightly and remove all dust.
- Partial areas of previously oiled surfaces can be repaired; however, color shade differences can arise, depending on the degree of tear and wear.
- Old water-dilutable synthetic resin coatings have to be removed completely. They cannot be recoated with this product.

3.1.2 Bassic treatment: - As described under 2.2.

3.1.3 Final treatment: - As described under 2.3.

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 treatment: Basic treatment is not necessary with intact old surfaces.

3.2.3 Final treatment: As described under 2.3.

4. CLEANING AND MAINTENANCE

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

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 colour is possible but will disappear in the course of time.
- Some materials such as e.g. iron filings and iron dust may cause discoloration; any contact must be avoided.
- Mix products with varying batch numbers 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.
- For optimum, lasting protection, the surfaces must be checked and cared for regularly; repair damage immediately.
- Products containing oil are thermoplastic, i.e. they soften by the impact of heat. Make sure the product has dried through completely before the surface is exposed to the full load.
- 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.
- Consider possible allergic reactions. Natural products are neither odourless nor emission-free.

* See respective Technical Data Sheets.