

AURO Hard Wax No. 171

- for floors and furniture -

Nature of the Material/Use

Transparent, solvent-free balsam consisting of beeswax and vegetable waxes, for interior use. To be used for the refinement and protection of interior surfaces, particularly for furniture, cork and unglazed clay tiles. Also suitable for hot spraying (80 °C).

Composition

Linseed oil (from controlled regional organic cultivation), linseed oil stand oil, castor oil stand oil, carnauba wax, beeswax, Ca/Zr/Co-dryers (lead-free). The information contained in our full declaration of contents is binding.

Colour Shade

Transparent; produces a light honey shade on wood.

Application Methods

Apply using a rag ball or by use of a polishing machine (with pre-warming device, if necessary).

Recommended devices for hot spraying method (optimal temperature: 82 °C) are:

Machinery: MK-hot wax pressure-tank system
MK-Tronic Duoline hot wax spray gun
Kreutzberger hot wax spray gun

Atomizing Pressure: 0,5 - 1,5 bar Material Pressure: 0,5 - 1,5 bar Nozzle Aperture: 0,8 - 1,2 mm

Drying Time in Normal Climate (20 °C; 60 % relative humidity)

- The surface must be polished in still soft state (degree of gloss: silk mat) within 1-2 hours (cold application) or within one hour (hot application).
- Final hardness is reached after approx. 4 weeks. Treat cautiously during this time and avoid lengthy exposure to moisture.
- Considerable drying delays result under high relative humidity, with low temperatures and when large amounts have been applied. Old coatings can also influence drying delays.
- Drying is a process which, among other changes taking place, requires take-up of oxygen, therefore adequate air circulation must be ensured.

Density	Approx. 0,93 g/cm ³ .	Class of risk: not applicable
Viscosity	Semi-solid (ointment-like consistency), softens on gentle rubbing.	
Coverage	A maximum of 0,01 l/m ² should not be exceeded in order to avoid drying and polishing problems. Additional consumption may occur on highly absorbent surfaces without previous impregnation.	
Cleaning of Utensils	Clean equipment using AURO Vegetable Balsam Thinner No. 191* immediately after use. Tools bearing dried residues should be soaked in AURO No. 191* and then washed using AURO Vegetable Soap No. 411*. Information on the cleaning of hot spraying devices can be called for separately.	
Storage	Store cool but frost-free. In the case of opened containers, smooth off the surface of the wax and seal the container tightly. Product is stable under storage approx. 2 years.	
Packaging Material	Tinplate. Emptied containers can be recycled.	
Instructions for Waste Disposal	Keep product residues in a tightly closed container for re-treatment at a later time. AURO products can be composted in dry state like household waste. Current legal requirements for paints and paint residues must be observed. Disposal according to European Disposal Code: 200112, waste paints and lacquers not containing halogenated solvents.	
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. Keep product out of reach of children.	

Instructions for processing and safety advice

- Minimum working temperature: 10 °C. The moisture content of the wood must not exceed 15%.
- Take skin off the wax before use. After use smooth the surface of the wax again.
- When the drying time is expired, the product can no longer be polished.
- Avoid direct exposure to sun or moisture during the application.
- Renovation cycle, dependent on tear and wear, 2-4 years. Surfaces exposed to extreme tear and wear may need renovation sooner.
- For optimal protection it is recommended to control surfaces from time to time and renovate damaged spots.
- Sweat- and saliva-resistance according to DIN 53 160 and EN 71, part 3.
- A particularly good durability can be achieved by means of a pre-treatment with AURO products No. 122*, No. 128* and No. 117* (according to DIN 68861, part 1, group of stress 1C).

Technical recommendations for application

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1. SURFACE

1.1 Suitable surfaces

All types of wood and wooden materials, cork, unglazed clay tiles, linoleum and natural stone tiles.

1.2 General requirement for the surface

The surface must be dry, smooth, firm, chemically inert, absorbent, clean and grease-free.

2. COATING SEQUENCE ON UNTREATED SURFACES (INITIAL APPLICATION)

2.1 Type of surface: wood, wooden materials

2.1.1 Preparation of the surface

- For high quality surfaces, first wet with a sponge, allow to dry, then grind fine. Brush the pores in the grain direction and completely remove all dust.

2.1.2 Primary treatment

- Absorbent surfaces: Prime using AURO Special primer No. 117*, AURO Impregnating primer No. 121*, AURO Hard oil No. 126*. For a solvent-free surface-coating system use AURO Natural Priming Oil No. 122* or AURO Natural Oil Wax No. 128*.

2.1.3 Final treatment

- Apply AURO Hard wax No. 171* evenly, thin and without streaks.

- **Polish within 1 – 2 hours in still soft state.**

Caution: once the drying time has elapsed, the waxed surface can no longer be polished. Polishing utensils: rag ball, lint-free cloth (cotton, linen), polishing brush (sisal/leather), soft pad for polishing machine (yellow, beige or light-brown, depending on manufacturer).

2.2 Type of surface: unglazed clay tiles, natural stone tiles, linoleum, cork

2.2.1 Preparation of the surface

- Remove any soiling (e.g. using AURO Floor cleaner No. 427*); otherwise wipe clean using a lukewarm solution of AURO Plant soap No. 411*. Rinse with clear water and allow to dry.

2.2.2 Primary treatment

- Not required for linoleum.

- Apply as described under 2.1.2.

- As the absorbency of cork and tiles can vary considerably, preliminary tests are recommended on these surfaces.

2.2.3 Subsequent treatment: Apply as described under 2.1.3.

3. RENOVATION COATING

3.1 Type of surface: painted surfaces

3.1.1 Preparation of the substrate

- Remove old coating down to the bare substrate using AURO Stripping paste No. 461* or another suitable method

- Neutralize if necessary, clean the surface, sand lightly and thoroughly remove all dust.

3.1.2 Primary treatment: As described under 2.1.2.

3.1.3 Subsequent treatment: As described under 2.1.3.

3.2 Type of surface: waxed surfaces in need of repair

3.2.1 Waxed surfaces with moderately worn wax layer

3.2.1.1 Preparation of the surface

- Completely remove insecure regions of the old coating.

- Check existing substrates and coatings for adhesion and compatibility.

- Thoroughly clean the substrate with a mild lukewarm solution of AURO plant soap No. 411*.

- Remove patches in the wax layer with AURO floor cleaner No. 427*.

3.2.1.2 Subsequent treatment: As described under 2.1.3.

3.2.2 Waxed surfaces with heavily worn wax layer

- If the surface is heavily worn or damaged, the coating must be renewed entirely, whereby this can also be limited to the repair of partial areas.

- After the surface layer is removed, clean with AURO Wax balsam cleaner No. 421* and build up the new coating as described under 2.

4. CLEANING AND CARE

- Prevent water from coming into contact with the surface during approx. 4 weeks after coating.

- Regular care: wipe with a moist, but not wet cloth in addition of AURO Floor Care Emulsion No. 431* or AURO Floor care No. 437*.

- For the care of surfaces of furniture, we recommend AURO Cembra oil furniture polish No. 441*.

- Remove heavy soiling with AURO Wax Balsam Cleaner No. 421* or AURO Floor cleaner No. 427*.

- Where the wax film has worn only in places, renew the coating as described under 3.2.

* See the corresponding technical data sheets.

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