

TECHNICAL DATA SHEET AURO Plant hard wax No. 971

Nature of the Material

Balsam consisting of beeswax and vegetable waxes for interior use, transparent.

Use

For the refinement and protection of interior surfaces of wood, particularly for wooden furniture, wooden floors, cork and unglazed clay tiles.

Technical Properties

Ointment-like consistency. The product is characterised by economy of use and produces after polishing a silky, open-pored finish which is pleasant to the touch. Easy to care for and easily renewed. An oxide layer can develop in the closed container and this should be removed before use. Natural products produce a typical odour during application and drying.

Composition

Linseed (locally grown), linseed-, castor-stand oil, carnauba wax, beeswax, orange oil, Ca/Co/Zr-driers (lead-free)

Colour shade

Transparent; produces a honey shade on wood.

Density

Approx. 0.90 g/cm³.

Viscosity

Semi-solid (ointment-like consistency); soften on gentle rubbing.

Hazard Classification

VbF AII (ignitable). Flame point: approx. 48 °C.

Application Methods

Apply using a rag ball or by polishing machine with pre-warming device.

Appropriate thinning is necessary, depending on the application method.

Thinner

Product is ready for use. In special cases, it may be thinned with AURO Thinner No. 191*.

Coverage

Maximum 0.02 l/m².

Ensure that the above coverage value is not exceeded, as drying and polishing problems could otherwise result.

Additional consumption may occur on highly absorbent surfaces without previous impregnation.

Drying time in normal climates

- Can be polished (final finish, approx. matt silk), by cold application after approx. 4 - 6 hours.
- Can be polished (final finish, approx. glossy silk) after approx. 24 hours.
- Final hardness is not achieved until after 2-4 weeks: during this time, the surface should be treated carefully and prevented from coming into contact with water. With wax products, parts can stick together if excessive quantities are applied, this must therefore be avoided.

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.

Cleaning of utensils

Clean equipment using AURO Thinner No. 191* immediately after use. Tools bearing dried residues should be soaked in AURO Thinner No. 191* and then washed using AURO Plant soap No. 411*.

Storage

Store in closed containers in a cool place protected from frost. In the case of opened containers, smooth off the surface of the wax and seal the container tightly. Product is stable under storage for approx. 2 years.

Packaging materials

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

Safety advice

Minimum working temperature 12°C. Product is combustible and can form ignitable vapours during use. Keep away from sources of ignition. **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.** Make provisions for adequate skin protection and ventilation during use. When applying the product to large surface areas, provide **intensive ventilation** (cross-ventilation) on account of the large quantity of essential oils evaporating.

Even natural paints and varnishes must be kept out of the reach of children. In spite of its biological degradability, do not dispose of the product into waste water.

When working with other AURO products, please observe the appropriate technical data sheets.

Recommendations for application **AURO Plant hard wax No. 171**

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

Clean the surface thoroughly, wet and sand finely. Carefully remove all dust.

2.1.2 Primary treatment

- Prime using AURO Impregnating primer No. 121 or AURO Hard oil, clear No. 126.
- The product must penetrate completely into the surface. Remove any excess material before drying (within a maximum of 15 minutes) as drying will otherwise be delayed and glazed patches can result.

2.1.3 Final treatment

Apply the wax sparingly and polish after drying.

Caution: once the drying period has elapsed, the waxed surface can no longer be polished. Polishing utensils: rag ball, lint-free cloth (cotton/linen), polishing brush or polishing disk with lambswool covering.

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 a solution of AURO Vegetable Soap No. 411*).

2.2.2 Primary treatment

- Not required for linoleum.
- Prime absorbent surfaces using AURO Impregnating primer No. 121 or AURO Hard oil, clear No. 126.
- The product must penetrate completely into the surface. Remove any excess material before drying (within a maximum of 15 minutes) as drying will otherwise be delayed and glazed patches can result.
- As the absorbency of cork and tiles can vary considerably, preliminary tests are recommended on these surfaces.

2.2.3 Final treatment

Apply as described under 2.1.3, however the wax must be applied extremely sparingly.

3. Coating sequence for renovation of the coating

3.1 Type of surface: painted surfaces

3.1.1 Preparation of the surface

- Remove the previous coating down to the bare substrate using AURO Stripping paste No. 461 or another suitable method.
- Clean the surface. Sand lightly, if necessary, and thoroughly remove all dust.

3.1.2 Preliminary treatment

No preliminary treatment is necessary in the case of non-absorbent surfaces, otherwise as described under 2.1.2.

3.1.3 Final 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

- Carefully clean the surface using a mild, hand-warm solution of AURO Plant soap No. 411*.
- Remove any stains in the waxed surface. With materials containing large amounts of tannin (e.g. oak), it is recommended to use AURO Thinner No. 191*.

3.2.1.2 Final 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 removal of the coating, clean with AURO Power cleaner No. 421*.
- Renew the coating as described under Section 2.

4. Cleaning and care

- Prevent water from coming into contact with the surface during the first 4-6 weeks after coating.
- It is recommended to treat floor surfaces 2 weeks after wax treatment with undiluted AURO Floor care emulsion No. 431* by applying thinly and then polishing off.
- Regular care: wipe with a moist, but not wet cloth. AURO Floor care emulsion No. 431* may be added to the washing water.
- When caring for the surfaces of furniture, use AURO Cembra oil furniture polish No. 441* in addition.
- Remove heavy soiling with AURO Power cleaner No. 421.
- Where the wax film has worn only in places, renew the coating as described under 3.2.

5. Disposal of product residues

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 are otherwise comparable with household waste in terms of their constituents, and can therefore be composted in a dry state. Current legal requirements for paints and paint residues must be observed.

* see corresponding technical data sheets.

This technical data sheet 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 technical data sheet is valid until replaced by a new issue.

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