

AURO Impregnating primer No. 121

Type of coating material

- Environment-friendly transparent impregnation containing solvent that can also be used on its own.
- Without wood preservative.
- Consistent selection of ecologically friendly raw materials.

Application

- As a primer for absorbent surfaces and after-treatment with oil and wax products.
- To treat normally stressed wood and cork surfaces.
- Only for interiors and surfaces that are not exposed to weathering.

Technical properties

- Tested according to DIN EN 71, Part 3, Safe for Toys.
- Tested according to DIN 53160, saliva- and perspiration-proof.
- Compensates differing absorbency rates, open pore.

Composition

Orange oil, vegetable binder (linseed-oil, wood-oil, dehydrated castor-oil and sunflower-oil stand oils, colophony glycerine ester), dryers (lead-free). Natural paints are not odour and emission free. Consider possible allergies. Our current Full Declaration is definitive.

Shades

Transparent, highlighting honey shade. Can be tinted with AURO Colour concentrates No. 150* up to max. 20 %. The effect will vary with different woods so trial application is advisable.

Coating methods

Brushing (brushes, surface coaters), dipping or spraying

Spraying	Air Coat	Compressed air	HVLP(mist reduced)
Equipment	GM 2600/Wagner	Sata LM-92	Fine Coat/Wagner
Spraying pressure	50 - 60 bar	-	0,5 bar
Air pressure	1,5 - 2 bar	2,0 - 2,5 bar	0,5 bar
Spraying nozzle	flat jet 9/40	1,0 - 1,3 mm	flat jet 1,2 mm

Drying time in a normal climate (23 °C/ 50% rel. humidity)

- Base penetration: approx. 10-30 minutes;
- Set to touch: after approx. 10 hours;
- Can be over-painted after approx. 24 hours;
- Final hardness: achieved after approx. 4 weeks. Should be treated gently during this period and avoid exposure to moisture.
- High humidity levels, low temperatures and high application rates will significantly length the drying time.
- Drying by the absorption of oxygen is associated with a product-typical smell. Consequently, adequately tempered ventilation is necessary during the drying period.

Density	0,89 g/cm ³	Danger Class: UN 1263, ADR 3, VbF A II, inflammable
Viscosity	Approx. 12 seconds DIN 4 mm at 20 °C.	
Thinner	Ready for application; with max. 30 % AURO Thinner No. 191*, can be thinned.	
Application rate	Approx. 0.05 l/m ² per coat, depending on the base, manner of application, and surface quality. Test coating is recommended to establish the exact application rate.	
Tool cleaning	Carefully press them out immediately after use and wash with AURO Thinner No. 191*. Finally rinse thoroughly with water to which AURO Plant soap No. 411* has been added.	
Storage	Keep out of reach of children. Store in the tightly closed container in a cool, frost-free and dry environment.	
Shelf life	In the original tightly closed container at 18 °C: 24 months.	
Packaging material	Tinplate; only empty containers can be recycled.	
Disposal of liquid residues	EAK-Code 080111 or 200127, EAK designation: Paints. Only completely emptied containers with dried product residues can be returned for recycling. Only dried product residues as fully hardened paints can be disposed of as domestic waste.	

WARNING: The product is combustible! R 10 - Inflammable! S 16 - Keep away from ignition sources! Do not smoke! Danger of spontaneously igniting oils. Spread out and smooth cleaning cloths and the like so that they can dry. Do not crumple them and store them in an air-tight closed metal container. Contains orange oil. R 65 - Can cause lung damage when swallowed! S 23 - Do not inhale vapours/aerosol. S 51 - Only use in well ventilated rooms. S 62 - Do not induce vomiting when swallowed and immediately consult a doctor and present the container or this label. Product Code: Ö100, oils/waxes, intensely solvent based. BAG-TNo.: 65898. The customary protective measures must be observed, e.g. ensure adequate skin protection and ventilation during application. Observe the Safety Data Sheet and Technical data sheets*.

General remarks

- Check base for suitability and compatibility prior to product application.
- It is essential to avoid direct exposure to the sun, moisture influences and the incorporation of dirt during application and drying.
- A light inherent greenish colour is possible but this disappears in the course of time.
- Treated wooden surfaces can be discoloured by iron filings and dust so that such contact must be avoided.
- Mix together products with different batch numbers prior to application to offset batch-induced differences.
- Process temperature at least 10 °C, max. 30 °C, max. 85% rel. humidity, optimal 20-23 °C, 50-65% rel. humidity.
- Wood moisture max. 12% for hardwood and 15% for pinewood.
- Stir thoroughly prior to application.
- Observe product-typical after-yellowing.
- Products containing oil are thermoplastic and soften with heat; ensure complete hardening before the surface is stressed.
- Check and maintain the surfaces regularly for optimal, permanent protection and immediately repair damaged areas.
- Observe the state of the art for planning and coating. All coating work must be adapted to the given object and its use.

Application-technical recommendations

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1. BASE

1.1 Appropriate bases

Wood, wood-based materials, cork and non-glazed clay tiles; only for interior use.

1.2 General demands expected of the base

The base must be firm, dry, chemically neutral, grease-free, clean, suitable for coating and adhesion and must be free of seeping substances.

2. COAT COMPOSITION (FIRST COAT)

2.1 Type of base: Wood surfaces

2.1.1 Base preparation

- First apply water on the wood and allow it to dry; fine sand in the grain direction and brush out pores in grain direction; carefully remove all dust; round off the edges; clean the base.
- Wash wood rich in components or greasy wood with AURO Plant alcohol thinner No. 219*.
- For wood materials, e.g. laminated wood fibreboards, etc., it is necessary to observe the corresponding coating instructions of the wood material manufacturer.

2.1.2 Base treatment

- The product must not fill up material joints, indentations, etc., when it is applied as this will significantly lengthen the drying period in such areas.
- Apply the product uniformly on to the base area with a paint pad and product tray; do not pour on to the surface.
- Use AURO Special Primer No. 117* as a primer for float-laid parquet and beechwood.
- Thin by up to 30% with AURO Thinner No. 191*, e.g. for poorly absorbent bases.
- Uniformly distribute or remove entirely any projections and excessive product that has not been absorbed before it has dried, but at the latest within 30 minutes; use a non-fluffing cloth or a flexible or white pad for this purpose.
- Do not apply in such a manner that a film is formed; the product must penetrate entirely into the base.
- After-treatment only when dry; at the earliest after approx. 24 hours.
- **WARNING:** Product that has filled floor joints can, in adverse circumstance, cause side bonding, thereby resulting in torn joints and creaking noises. This can be avoided by surfacing the floor with a suitable joint putty solution. Observe the manufacturer's instructions and carry out trial applications.

2.1.3 Intermediate treatment

- This is generally necessary for floors subject to intense wear, as well as waxed or oiled surfaces and intensely absorbent bases.
- Light intermediate sanding (180-220 grain, depending on the base).
- Proceed as described in 2.1.2.
- Alternatively use AURO Hard Oil No. 126* for floors and furniture.
- Allow to dry for at least 24 hours. Avoid exposure to dirt and moisture while drying.

2.1.4 Final treatment

The following final treatment processes are possible, depending on the base material and expected surface wear:

- With AURO Hard Oil No. 126*, or
- with AURO Hard Wax No. 171*, or
- with AURO Liquid Wax No. 981*.

2.2 Type of base: Cork

2.2.1 Base preparation

- Clean the base.
- Prepare cork according to the manufacturer's instructions (possibly sand lightly).
- Ensure that all sanding dust is completely removed.

2.2.2 Base treatment

Proceed as described in 2.1.2. The irregular surface structure of cork can result in an irregular surface appearance.

2.2.3 Intermediate treatment

Proceed as described in 2.1.3, but without intermediate sanding. Alternatively, use AURO Hard Oil No. 126*. Intermediate treatment may have to be repeated with highly absorbent types of cork.

2.2.4 Final treatment

Treat extremely thinly with AURO Hard Wax No. 171* according to the given instructions. Alternatively, replace No. 121 with AURO Hard Oil No. 126* if the surface is only to be oiled.

2.3 Kind of base: Non-glazed clay tiles (e.g. Cotto)

2.3.1 Base preparation

Clean the base; remove all cement stains. The base must be completely clean, dry and chemically neutral before it is treated for the first time.

2.3.2 Base and intermediate treatment

Proceed as described in 2.1.2 and 2.1.3, but without intermediate sanding.

2.3.3 Final treatment

Proceed as described in 2.2.4.

3. COAT COMPOSITION FOR RENNOVATION COATING

3.1 Type of base: Intensely worn or damaged surfaces (repair)

3.1.1 Base preparation

Intensely worn or damaged surfaces must be removed right down to the intact base. Clean the surface thoroughly and remove all dust. Partial areas can be repaired. Shade differences can arise, depending on the used end product and wear severity. Coats that cannot be recoated or are not adhesive must be completely removed and then built up again as described in 2.

3.2 Type of base: Intact surfaces (maintenance)

3.2.1 Base preparation

Clean the surface thoroughly, sand lightly and remove all dust.

3.2.2 Base and intermediate treatment

Renewed base treatment is not necessary with intact old surfaces; otherwise proceed as described in 2.1.2 and 2.1.3.

3.2.3 Final treatment

Proceed as described in 2.1.4.

4. CLEANING AND CARE

- After surface treatment avoid exposure to water for approx. 4 weeks.
- Depending on the final treatment, clean the surface with lukewarm water or use e.g. AURO Paint and stain cleaner No. 435*. Clean intensely dirty surfaces with AURO Wax Balsam Cleaner No. 421*.
- Do not use any lyes (e.g. ammonia solution or soap lye) or abrasive cleaning agents (including micro-fibres).
- Intensely worn surfaces require corresponding after-treatment in accordance with the degree of wear, e.g. with Care Oil No. 106, Care Wax No. 107.

This Technical data sheet merely gives recommendations and possible examples. No binding force or liability can be deduced from this sheet. Using the recommendations does not imply a legal relationship. The details conform with our present-day knowledge and do not absolve users from their own responsibilities. The current state of the art must be observed in connection with all coating and preparation work. The conditions of the object and product suitability must be competently verified. This Technical data sheet loses its validity with the publication of a new version. Status: 01.10.2004; entirely revised.

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