

TECHNICAL DATA SHEET

AURO White topcoat, glossy No. 935

Nature of the material

Topcoat paint, gloss finish, for interior and exterior use.

Use

As a finishing coat on wood, wooden materials and ferrous metals.

Technical properties

Good spreading properties, very high yield with high covering power, gloss finish, slow drying. Good adhesion, weather resistant and highly elastic
As the product contains no biocide, it should first be determined whether preventive timber preservation treatment is required. Not suitable for use on floors.
Natural products are not emission-free and produce a typical odour on account of the raw materials used in their formulation.

Composition

Linseed (locally grown), linseed-stand oil, wood oil-, castor-, safflower-stand oil, dammar, zinc-, lime-, colophony-ester, titanium dioxide, swelling clay, silicic acid, silicates, lecithin, Ca/Co/Zr-driers (lead-free), alcohol, orange oil

Colour shade

White

With AURO White topcoat, satin mat No. 936*, mixing will lead to a certain loss in the level of gloss finish. For colour tints mixed by the user, we can accept no liability for the colour shade or permanence of the surface coating.

Density

Approx. 1.12 g/cm³.

Viscosity

Approx. average 50 seconds (DIN 6 mm) at 20 °C.

Hazard class

Flame point: approx. 48 °C.

Regulations on Combustible Liquids: VbF AII.

Application methods

By brush, roller or spray

Spray method	Aircoat	Compressed air	HVLP
Spray pressure	100-120 bar	-	1.5 bar
Air pressure	2 bar	3.0 - 4.5 bar	1.5 bar
Spray nozzle	Flat jet 11/40	1.3 - 2 mm	1.8 mm

Suitable thinning may be necessary, depending on the application method. For spray application, the spray pressure, air pressure and nozzle sizes may be varied according to experience.

Thinner

Product is ready for use. It may be thinned with AURO Thinner No. 191*.

Coverage

Approx. 0.10 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 after approx. 10 hours
- Dry and re-paintable after approx. 24 - 48 hours.
- Final hardness is achieved after approx. 4 - 6 weeks.

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

Utensils should be cleaned using AURO Thinner No. 191* immediately after use.

Storage

Store in a cool place protected from frost. The product is stable in the unopened container for approx. 2 years.

Information for use and safety advice

Product can form ignitable vapours during use. Keep away from sources of ignition. Soaked cleaning cloths and 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. 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 data sheets.

Recommendations for application AURO White topcoat, glossy No. 935

1. Surface

1.1 Suitable surfaces

All types of interior and exterior surfaces consisting of wood, wooden materials and ferrous metals.

1.2 General requirement for the surface

The surface must be firm, chemically inert, dry, clean and grease-free and must not contain any substances capable of bleeding out.

2. Coating sequence (Initial application)

2.1 Type of surface: wood and wooden materials

2.1.1 Preparation of the surface

- Round off any edges as necessary. Clean the surface and then sand lightly.

- 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 or resinous woods with alcohol.

- Supporting or bracing timbers must be treated with AURO Borax wood preservative No. 111* in accordance with DIN 68800.

- In the case of timber constructions and timber cladding exposed to the weather or to moisture for which dimensional stability is important, it should first be determined whether preventive timber preservation treatment is required.

2.1.2 Primary treatment

Treat the surface with AURO Impregnating primer No. 121*.

2.1.3 First intermediate treatment

Prime the surface with AURO White undercoat No. 933* evenly and, where applicable, on all sides according to instructions. Apply AURO Paint filler No. 231 where necessary. Carefully sand after drying without damaging the edges (using grade 220) and remove all dust.

2.1.4 Second intermediate treatment

Apply AURO White topcoat, glossy No. 935 evenly and, where applicable. Thin to the required working viscosity, if necessary, with AURO Thinner No.

191*. For spraying, adjust viscosity in accordance with the spraying equipment manufacturer's instructions. Observe coverage values. Application of excessive quantities leads to considerably prolonged drying times. After drying, before the final treatment, sand lightly if necessary and thoroughly remove all dust.

2.1.5 Final treatment

As described under 2.1.4.

2.2 Type of surface: bare steel surfaces

2.2.1 Preparation of the surface

Clean the surface and carefully sand (grade 60-120) until bright and rust-free; round off any edges and remove dust. Do not use rust removal chemicals.

2.2.2 Primary treatment

Prime with AURO Natural resin oil rust protection primer No. 234.

2.2.3 First intermediate treatment

As described under 2.2.2.

2.2.4 Second intermediate treatment

As described under 2.1.4.

2.2.5 Final treatment

As described under 2.1.4.

2.3 Type of surface: factory-primed steel surfaces

2.3.1 Preparation of the surface

Thoroughly clean the surface and sand lightly (grade 180), remove dust. In the case of factory-primed steel surfaces, paint a trial area to establish compatibility. Surfaces primed with water-thinnable synthetic resin coatings cannot be painted with this product.

2.3.2 Primary treatment

Not required in the case of factory-primed steel surfaces.

2.3.3 Intermediate treatment

As described under 2.1.4.

2.3.4 Final treatment

As described under 2.1.4.

3. Coating sequence for renovation of the coating

3.1 Type of surface: damaged old paint coatings (repair)

3.1.1 Preparation of the surface

Completely remove any unserviceable coating. Strip greyed or damaged areas carefully down to the solid wood.

Water-thinnable synthetic resin coatings must be removed completely, as the product may not be applied to these coatings.

3.1.2 Final treatment

Re-coat as described under 2.1-2.3, depending on the type of surface.

3.2 Type of surface: intact painted surfaces (maintenance)

3.2.1 Preparation of the surface

Thoroughly clean the surface, sand lightly and remove all dust. Previous coatings of water-thinnable synthetic resin paints can cause problems, as these are not easy to renovate.

3.2.2 Primary treatment

No primary treatment is necessary in the case of intact surfaces.

3.2.3 Intermediate treatment

Apply AURO White topcoat, glossy No. 935* as described under 2.1.4.

3.2.4 Final treatment

If necessary, apply a further coat of AURO White topcoat, glossy No. 935 as described under 2.1.4.

4. Notes on use

- Exposure to damp and direct sunlight must be avoided at all times during use.
- Minimum application temperature 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.
- Products containing oils tend to be thermoplastic (soften on heating). For this reason, ensure that, when painting window frames, for example, the surface has dried out completely before closing the window.
- When painting interior and exterior surfaces of, for example, windows, the same number of coats must be applied internally as externally to compensate for vapour pressure gradients.
- Timber constructional components which are exposed to the weather may be assembled on the building only after completion of the intermediate treatment.
- For full protection in exterior applications, two coats of the original paint are necessary
- The natural vegetable oils contained in the product can cause yellowing of surfaces subjected to heat or to low levels of light.
- In exterior applications, the quality of the gloss finish will deteriorate through weathering, as only vegetable oils and resins are used as binding agents.

- The renewal interval is approximately 3 to 5 years, depending on the level of usage to which the surface is subjected. Renewal may be necessary after 2 years on exposed surfaces or surfaces subjected to high wear.

- For optimum protection, it is recommended that the surfaces be regularly checked and maintained and damaged areas immediately repaired.

5. 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 stain 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.

6. 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. 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 and deposit-paid containers should be returned in a clean condition to the dealer. 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.

* 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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