Technical Data Sheet

AURO Wainscot white No. 814

Type of material: Environment-friendly, water-thinnable, solvent-free, transparent wood coating for indoor use.

Intended purpose
- For a diffusable protective layer on wood and wood-based materials.
- Refreshes old wood panels that are in need of a new coat of paint.

Technical properties
- Consistently ecological choice of raw materials
- Complies with DIN EN 71 Part 3, “Safe for toys”.
- Contains no wood preservatives.
- Produces silk-matt, hard-wearing surfaces.

Composition
Water, linseed oil*, titanium dioxide, colophonium glycerine ester with organic acids*, silicic acid, surfactants made of rapeseed-, castor oil, dryers (cobalt-free), dehydrated castor oil*, sunflower oil*, cellulose, xanthane. *as ammonium soaps
See the current full declaration on www.auro.de.

Colour shades White, glazing.

Application method
Stain brush (syntetic or mixed-fibre bristles, e.g. AURO tools) or short-pile roller. Apply swiftly and evenly in direction of the fibre. To avoid visible overlaps, coat single panels in full length, one after the other. Observe drying times between coats, carry out intermediate sanding if necessary.

Spraying	*High-pressure*	*Mist reduction (HVLP)*	*Airmix*
Nozzle width	1,0-2,0 mm	1,0-2,0 mm	acc. to manufacturer information
Air pressure	3-5 bar	2-4 bar	acc. to manufacturer information

Drying time in standard climate (23 °C/ 50% rel. humidity)
- Dust dry after approx. 10 hours, re-coatable after approx. 24 hours, final dryness after approx. 5 days.
- Significant drying delays are caused by high humidity, low temperatures and excessive application volumes.
- Drying is a process of oxygen uptake. Ensure plentiful and tempered air volume exchange during the drying process.

Density 1.10 g/cm³.

Thinner Product is supplied ready for use, thinnable with max 20 % water.

Consumption rate 0,07 - 0,09 l/m² per coat, corresponds to approx. 70-90 µm wet layer, on smooth, evenly absorbent substrates. Consumption volumes depend on substrate, processing method, surface quality. Determine exact consume with test coat.

Cleaning of tools Carefully brush out product after use, then wash out with AURO Plant soap No. 411* and water. Remove sticking hard product residues by soaking the tools for longer periods in soap solution or with AURO Thinner No. 191*.

Storage stability At 18 °C in unopened original container: 12 months. Store out of reach of children in a cool, dry, frost-free place.

Packaging material Tinplate.

Disposal Liquid residues: EWC code 080112, designation: Paints. Return only containers emptied completely and containing dried product residues for recycling. Dispose of only dried product residues, either as dried paint or with household wastes.

Hazard class Does not apply.

Attention Risk of spontaneous combustion due to drying oils. Do not crumple used cleaning rags, etc., but allow them to dry by spreading them out singly, or store in a metal container closed airtight. Product code (GIS): M-DF 03 Natural resin paints, solvent-free. Normal protective measures must be taken, e.g. protect skin from contact and ensure sufficient ventilation during processing and application. For more details see Safety Data Sheet and Technical Data Sheet
.
EU VOC value 2004/42/EC II A (aWb): **130 g/l**. **Product VOC: < 1 g/l**.

Technical recommendations for application

AURO Wainscot white No. 814

1. SUBSTRATE

1.1 Suitable substrates

Wood, wood-based materials indoors or surfaces not exposed to weathering. Not for floors or for wood with soil contact.

1.2 General substrate requirements

Surfaces must be clean, dry, stable, chemically neutral, absorptive, adhesive, free from oil, fat and separative colouring substances.

2. COATING SYSTEM

2.1 Substrate preparation

- Test existing substrates and old coatings regarding their adhesion ability and compatibility.
- Not adhesive, not suitable old coatings, must be removed down to the sound wood.
- Round off corners, clean the surface, roughen, carefully remove all dust.
- For high-quality surfaces, first wet the untreated wood with a sponge, allow to dry, sand finely with the grain using only rust-free grinding agents, brush out pores, carefully remove all dust and clean.
- Wood rich in active substances, resinous and tropical wood types need to be washed with alcohol thinner and finely sanded.
- Remove any substances that come out of the wood such as resin or resin galls; remove damaged wood; seal open wood joinings.

Pretreat woods rich in active substances with AURO Special primer No. 117*:

- Woods rich in tanning substances (e.g. oak, chestnut, framire etc.) to prevent drying delays,
- Woods with bleeding or staining substances (e.g. larch, red cedar, meranti, etc.), especially for light-coloured follow-up coatings,
- Wood treated with boron salt or boiler pressure impregnated wood to prevent efflorescence.

Please see our information sheet *Universal pretreatment of woods rich in active substances,* available for download online.

2.2 First treatment

- Apply one coat of Wainscot white No. 814, diluted with up to 10% water.

2.3 Final treatment

- Apply one, or, if the coating still appears uneven, two coats of Wainscot white No. 814 undiluted, or diluted with a maximum of 10% water.

2.4 Follow-up treatment

- With Wainscot white No. 814 or, if required for renovation, with AURO paints No. 250* or 260*.

3. CLEANING AND MAINTENANCE

Either clean surfaces with lukewarm water only or use AURO Paint and stain cleaner No. 435*. The AURO Clean & Care Floor cloths No. 680 are also suited for the purpose. Lyes, e.g. ammonium chloride, abrasive cleaning materials or microfibres can damage the surface.

REMARKS

- Test substrate on compatibility and suitability before product application.
- In case of unsuited substrates remove old coatings down to the bare wood.
- Mix products with different batch numbers prior to application to offset batch-induced differences.
- Avoid exposure to direct sunlight, moisture and soiling during processing and drying
- Minimum processing temperature 10 °C, max. 30 °C, max. 85% relative humidity, optimal is 20-23 °C, 50-65% relative humidity
- Wood moisture content max. 12% in hardwood, 15% in softwood
- Stir product thoroughly before use
- Protect surrounding surfaces from stains and spatters.
- Remove stains and spatters immediately with water and AURO Plant soap No. 411*.
- For a perfect result, it is recommended to give the dried surface an intermediate sanding between coats with a very fine sandpaper (grain 220). Make sure not to hurt the edges of the wood, dust off the surface.
- Take the yellowing effect typical of this product into account
- 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 (applicable regulations and procedures).
- All coating work must be adapted to the given object and its use.

* See respective Technical Data Sheets.