



## AURO Hardwood lye No. 402

## Technical Data Sheet

### Type of material / Intended purpose:

Ready to use lightly pigmented lye for pre-treatment and bright-keeping of new ground hardwood before treatment with AURO Wood soap No. 403\* or AURO Wood soap No. 404\*. Only for indoor use. Unsuitable for coniferous wood (softwood).

### Composition:

Water, citric acid, alcohol, mineral fillers, potassium lye, xanthan, orange oil, rosemary oil. Natural products are not free of odours or emissions. May induce allergic reactions. See our current full declaration of content [www.auro.de/en](http://www.auro.de/en).

### Colour shade:

White; whitish-transparent when dried. Due to the acidic reaction of the product, colour changes of the treated wood surfaces take place. They may even differ for the same kind of wood; therefore, they must be determined by preliminary tests on the object.

### Application method:

Paint (paintbrush, area spreader) or roll (foam plastic roll). Use only acid resistant tools.

### Drying time in standard climate (20 °C, 60% relative humidity):

Can be further treated with AURO Wood soap No. 403\* or No. 404\* after about 4-16 hours depending on the air circulation rate, environmental humidity and temperature. Considerable drying delay is possible under high relative humidity, at low temperatures and when ventilation is poor or large amounts are applied.

**Density:** approx. 1,02 g/ml.

**Hazard class:** Does not apply.

**Viscosity:** 14 seconds (DIN 4 mm) at 20 °C.

**Thinner:** Adjusted ready for use, can be thinned with water.

**Consumption rate:** Approx. 0,1 - 0,15 l/m<sup>2</sup> strongly depending on the absorbency of the substrate. Determine exact consumption on sample.

**Cleaning of tools:** Remove splashes immediately with water. Clean work utensils with water before they dry.

**Storage stability:** Store cool, frost-free and dry. Close partly empty containers again tightly. In unopened original containers: 24 months.

**Packing material:** Polyethylene. Completely emptied containers can be returned to recycling material collection.

**Disposal:** Compost dried product residues or dispose of in household waste. Liquid residues: EWC code 200114, designation: Acids.

### Attention:

Product is acidic, similar to, for example, vinegar. It irritates the eyes and the skin. Avoid inhaling dust. Avoid contact with skin and eyes. If in contact with skin wash off with water. If in contact with eyes wash off with plenty of water and seek medical advice. See Safety Data Sheet, Technical Data Sheets\*.

### REMARKS:

Minimum application temperature: 10°C.

# Technical recommendations for application

## AURO Hardwood lye No. 402

### 1. SUBSTRATE

#### 1.1 Suitable substrates

- New, non-yellowed or ground down to non-yellowed layers solid hardwood indoors.
- Unsuitable for coniferous wood sorts (softwood).
- Not for cross-grained surfaces (e.g., wooden pavement); danger of strong swelling.
- Avoid overhead application.

#### 1.2 General substrate requirements

The substrate must be firm, dry, absorbent, clean, grease-free and free from breaking-through ingredients.

### 2. COATING SYSTEM (FOR INITIAL COATING)

#### 2.1 Substrate preparation

- Round the edges, clean the substrate and grind it finely (grit 120 or finer).
- Completely remove grinding dust (e.g., by suction cleaning).
- Wash-out ingredients-rich wood sorts with an alcohol solution.

#### 2.2 Basic treatment

- Carefully cover-up the surroundings.
- Wear rubber gloves and goggles.
- Do not pour the product into light metal containers or coloured tins.
- Stir AURO Hardwood lye well and apply uniformly to saturation in the fibre direction using an acid-resistant tool.
- Do not pour out onto the substrate.
- Frequently stir the lye during processing.
- Disperse or remove any excess material.
- Allow to dry thoroughly, thereby ensuring good air circulation.
- Walk on treated floors only when they are completely dried through.

#### 2.3. After-treatment

- Intermediate grinding (grit 180-220) is recommended to obtain high quality surfaces.
- Wear a dust protection mask. Completely suck-off grinding dust.
- Treat with AURO Wood soap No. 403\* or Wood soap white No. 404\*.
- Use only AURO wood soaps. Unsuitable soaps can produce discolouration.

### 3. COATING SYSTEM (FOR RENOVATION COATING)

#### 3.1 Substrate preparation

- Remove any old paint coatings. Grind extremely worn or damaged surfaces right down to the intact non-yellowed and absorbent wood.
- Thoroughly clean the surface and grind finely. Remove dust.

**3.2 Basic treatment:** As described under 2.2.

**3.3 Final treatment:** As described under 2.3.

\* See respective Technical Data Sheets.

The Technical Data Sheet gives recommendations and examples of possible use. No liability or other legal responsibility can be derived. Use of the advice does not create any legal relationship. The information provided is based on our present knowledge and does not exempt the user from his personal responsibility. The respective state-of-the-art practices must be observed when implementing coating work and the required preparations. The conditions on site and the product's suitability must be checked appropriately and professionally. With publication of a new edition this technical data sheet is no longer valid. Status: 10.2021