



AURO Softwood lye No. 401

Technical Data Sheet

Type of material/ Intended purpose:

Ready to use, lightly pigmented lye for preliminary treatment and bright-keeping of new ground solid coniferous wood before a treatment with AURO Wood soap No. 403* or AURO Wood soap white No. 404*. Only for interior use. Unsuitable for deciduous wood (hardwood).

Composition:

Water, calcium hydroxide, lime potash, mineral fillers, cellulose. Natural products are neither odourless nor emission-free. May cause allergic reactions. Current full declaration on www.auro.de/en.

Colour shade:

White; whitish-transparent when dried. Due to the alkaline state of the product, colour changes of the treated wood surfaces take place. They differ even for the same kind of wood, therefore preliminary tests on the object are recommended.

Application method:

Paint (paint brush, area spreader) or roll (foam plastic roller). Use only alkali resistant tools.

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

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

Density: Approx. 1,05 g/ml.

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

Hazard class: Caustic. Contains potassium hydroxide solution < 2%, GGVS 8/42c. UN-No. 1814.

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

Consumption rate: Approx. 0,1 - 0,15 l/m² depending strongly on the absorption 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, out of reach of children. After opening, tightly close the containers again. In unopened original container: 24 months.

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

Disposal: Polypropylene. Return emptied containers for recycling. Compost dried product residues or dispose of in household waste. EWC code 200115, designation: Lye's.

Attention:

Product is alkaline, similar to, for example, lime or cement mortar, irritates the eyes and the skin. Avoid inhaling dust. Avoid contact with skin and eyes. If contact with skin wash off with water. If 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 Softwood lye No. 401

1. SUBSTRATE

1.1 Suitable substrates

- New, non-yellowed or ground down to non-yellowed layers solid coniferous wood indoors.
- Unsuitable for hardwood.
- Unsuitable for cross-grained wood (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

- Before treatment round the edges, clean the substrate, grind finely (grit 120 or finer).
- Completely remove grinding dust, e.g., by suction cleaning.
- Wash resin-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 Softwood lye well and apply uniformly to saturation in the fibre direction using an alkali-resistant tool. Do not pour out onto the substrate.
- Stir the lye frequently during processing.
- Dispel or take off any overhangs.
- Allow to dry thoroughly, thereby ensuring adequate circulation of air.
- Walk on treated floors only after allowing them to dry completely.

2.3 After-treatment

- Intermediate grinding (grit size 180-220) is recommended to obtain high quality surfaces. Wear a dust protection mask. Suck-off grinding dust completely.
- Treat with AURO Wood soap No. 403* or AURO Wood soap white No. 404*; see corresponding technical data sheet.
- Use only wood soaps. Unsuitable soaps could produce discoloration.

3. COATING SYSTEM (FOR RENOVATION COATING)

3.1 Substrate preparation

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

3.2 Basic treatment: As described under 2.2.

3.3 After-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