

AQUA LIGNEX I

WATER-BASED IMPREGNATING TREATMENT FOR WOOD

3047-a December 2024

Description

Product: Water-based wood preservative (PT08), offering preventive protection against wood-boring insects (larvae) such as *Hylotrupes Bajulus* and wood-staining fungi (blue stain fungus).

Applications: Preventive wood protection for interior and exterior applications, without direct contact with soil or water, such as garage doors, wooden houses, beams, and carpentry works. AQUA LIGNEX I regulates the wood/air moisture exchange and, in its coloured version, provides good protection against UV radiation.

Active ingredients: Permethrin 0.1% (w/w) and 3-iodine-2-propinylbutyl carbamate (IPBC) 0.8% (w/w)

Certifications: The product is registered according to Biocides Regulation (BPR (EC) no. 528/2012) in IT, AT, DE, CH, CZ: IT/2023/874/MRP, AT-0016052-BPF, DE-0014893-00-0000-08, CH-2023-0015, FR-2023-0059, CZ-0031411-0000.

It is formally validated for use class 1 (indoor wood not exposed to weather conditions or moisture) and against all target organisms in use classes 2 and 3 (outdoor wood that is sheltered or fully exposed to the elements). Efficacy-tested according to EN 599-1.

Colours: 00 – colourless, 01 – oak, 02 – larch, 03 – chestnut, 04 – walnut, 07 – ebony, 09 – palisander, 10 – light walnut, 11 – mahogany, 13 – pine, 27 – teak, 35 – Wengé, 42 – green, 48 – medium oak.

Packaging: 0.750 L - 2.5 L - 5 L metal containers.

Technical data

Density: approx. 1.02 - 1.03 g/cm³, at +20 °C depending on the shades.

Flash point: >100 °C.

Viscosity: 48-51 s, Ford cup, 2 mm (11-12 sec. DIN 53211, 2mm) at +20 °C, depending on the shades.

Drying time: after about 2-4 hours according to the type of wood, the quantity applied and the atmospheric conditions. At low temperatures and/or high humidity, the drying time increases proportionally.

Odour: weak odour; odourless once dry.

Storage: 3 years. Store only in the original container in a dry, well-ventilated place, protected from frost. Do not store at temperatures above 30°C. Protect from heat and direct sunlight. Keep containers/partially used container(s) tightly closed. Keep out of reach of children and non-target animals or pets.

How to apply

General: Stir product well before use. Do not work at temperatures (ambient, surface, and product) below +10 °C.

Application Systems: *for non-professional use:* brushing, do not apply by spraying!

Surface preparation: The wood to be treated must be dry and free from dust and grease. Do not apply to wood with a moisture content over 18%. Completely remove any old film-forming paint or varnish because this will hinder the product penetrating the wood. On woods with varying absorption capacity, it is advisable to apply a first coat of colourless AQUA LIGNEX I. Some types of tropical wood may delay drying due to internal substances; in this case, first clean the wood with nitro thinner (e.g., iroko).

Application advice: When dealing with large surfaces or highly absorbent wood, moisten the wood with a damp sponge before application. To prevent brush marks, treat the surfaces along their entire length following the direction of the grain. On end grain wood, it is necessary to increase the number of coats of AQUA LIGNEX I to minimize water absorption as much as possible.

Metal fixings (nails, screws, hinges) and other metal parts that may come into contact with the product must be in a corrosion-proof material.

Ensure adequate ventilation during and after the application, until treated surfaces have dried.

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Recommended treatments:

- New outdoor wood without dimensional stability:	2 -3x	AQUA LIGNEX I, coloured, intermediate sanding (grit 280).
- New outdoor wood with partial dimensional stability	2-3x 1-2x	AQUA LIGNEX I LIGNEX AQUAGEL, coloured, intermediate sanding (grit 280).
- New outdoor wood with dimensional stability:	1x 2x	AQUA LIGNEX I HYDROTOP, coloured, intermediate sanding (grit 280).
- Renewals on wood outdoors, either partially or in the absence of dimensional stability		Remove any poorly bonded paint or varnish; clean and sand down the surface to improve adhesion. Then 1– 2x AQUA LIGNEX I, coloured. If the wood has been restored as new, follow the instructions for new wood.

AQUA LIGNEX I colourless does not contain pigments and therefore does not offer any UV protection. It is advisable to use it outdoors only as a finishing coat over a coloured base or to lighten dark shades. The effect of individual colours will vary with the type of wood and therefore it is always advisable to do a test application. We recommend checking the state of outdoor paint 2 years from application, particularly for items with south-west exposure and restore these if necessary.

Consumption: the quantity to apply is approximately 200 g/m², (2/3 coats depending on the wood absorption).

Yield: 10-12 m²/l.

Recoatibility: after approximately 4 - 6 hours

Dilution: AQUA LIGNEX I is ready to use and should not be diluted.

Tool cleaning Immediately after use with water.

Special instructions

Use biocides safely. Always read the label and product information before use.

Instructions for use: Do not use on wood, or near wood that may come into direct contact with food, feed, beverages and livestock/pets. Contain any spillage by covering the ground or water (e.g. with tarpaulins) and dispose of safely. Keep children and pets away from treated surfaces until they are dry. If necessary, appropriate protective measures must be taken (especially cats and for protected species such as bats or birds).

This product contains the active ingredient permethrin, which is dangerous to bees. The biocide product is effective only against wood-piercing beetles and wood discolouring fungi (blue stain). It is not effective against wood-destroying fungi.

First aid measures: If medical advice is required, have the product container or label ready. **IF INHALED:** In case of symptoms, call a POISON CENTER or a doctor. **IF SWALLOWED:** In case of symptoms, call a POISON CENTER or a doctor. **IF ON SKIN:** Remove all contaminated clothing and wash them before reuse. Wash/shower skin with water. If skin irritation or rash occur: Get medical advice. **IF IN EYES:** Rinse thoroughly with water.

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Remove the contact lenses, if present and easy to do. Call POISON CENTRE or doctor. Poison Center: (AT) Tel: +43 1 406 43 43 - (CH) Tox Info Suisse Tel. 145.

Pyrethroids (including permethrin) may cause paresthesia (burning and prickling of the skin without irritation). If symptoms persist: Get medical advice. Do not allow product to reach sewage system or water courses. In case of seepage into water or sewage system inform responsible authorities. Collect the liquid with absorbent material (sand, diatomaceous earth, sawdust).

Waste disposal: Metal Waste Collection. Check local recycling regulations. **DO NOT REUSE CONTAINER.** Dispose of the product, product residues, contaminated material (including absorbent material) and packaging that is not completely empty at a hazardous waste collection point or an authorised hazardous waste collector. Dispose of empty product packaging in accordance with national waste legislation and regional and/or local authority requirements. The biocidal product or its dilution must not enter drains or the environment (especially surface water).

Detailed information on disposal, water hazard class, VbF, and ADR/RID can be found in the safety data sheet, available at <https://myamonn.amonncolor.com/>

The above instructions reflect the latest information on the development and use of our product. Because we have no control over the onsite use and application of the product, we may only be held liable for the quality of the product as supplied. If in doubt please contact our technical consultancy service.