

## AQUA LIGNEX I

Impregnating protective treatment for wood

3047-a May 2017

### Description

**Product:** AQUA LIGNEX I is a water-based impregnating insecticide for wood, providing effective prevention of attack from wood-boring insects, mould and blue-stain fungus.

**Applications:** for the transparent treatment of wood that is not in constant contact with soil or water, for example for coverings, balconies, garage doors, wooden buildings, beams and other woodwork.

**Certification:** P.M.C.(health) REGISTRATION No. 18994 with the MINISTRY OF HEALTH.

**Protection:** preventative protection from wood-boring insects, mould and blue-stain fungus. AQUA LIGNEX I regulates the exchange of moisture between the air and the wood and provides good UV radiation protection.

**Active ingredients:** 0,8 % (=8 g/l) di 3-iodine-2-propynyl, 0,1% (=1g/l) Permethrin.

Efficacy tested according to EN 599-1. Compliant with EU BPR Biocides Directive no. 528/2012.

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

**Packaging:** 0,750 l - 2,5 l - 5 l in metal tins.

### Technical data

**Specific weight:** approx. 1.02 – 1.3 g/cm<sup>3</sup>, at +20°C, according to the colour.

**Flash point:** > 100 °C.

**Viscosity:** 48-51 s, Ford cup, 2mm (11-12 sec. DIN 53211, 2mm) at +20°C, according to the colour.

**Drying time:** after 2-4 hours according to the type of wood, the quantity of paint applied and the atmospheric conditions. In low temperatures and/or high humidity the drying time is prolonged proportionally.

**Odour:** weak odour; odourless once dry.

**Storage:** 3 years in the original closed containers. Store at a cool temperature protected from frost. Close partially used tins carefully. Store only undamaged tins. During storage and when applying protective treatments to wood ensure compliance with the legislation governing the cleanliness of ground and surface water and air pollution.

**DO NOT RE-USE THE CONTAINER.**

### How to apply

**General:** mix the product well before use. Do not work at temperatures below +10°C (environment, surface or product).

**Application systems:** brush, immersion and impregnating machine; do not use a spray gun.

**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 wood with differing absorption power we recommend applying one coat of colourless AQUAPROFI HSL Blv. The inner substances in some types of tropical wood, for example iroko, can slow down drying, therefore these should first be cleaned with paint thinner.

**Application advice:** if large surfaces or highly absorbent types of wood are to be treated, moisten the wood with a damp sponge before application. To avoid leaving re-start marks, treat the surface along its total length following the direction of the grain. End-grain wood should be treated with more coats of AQUA LIGNEX I to reduce 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 made of corrosion-proof material.

### Recommended treatments:

- New outdoor wood without dimensional stability	3x	AQUA LIGNEX I, coloured, with intermediate sanding down, grain 280
- New outdoor wood with partial dimensional stability	1-2x 1-2x	AQUA LIGNEX I LIGNEX AQUAGEL coloured with intermediate sanding down, grain 280

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New outdoor wood with dimensional stability	1x 2x	AQUA LIGNEX I HYDROTOP coloured with intermediate sanding down, grain 280
- Wood restoration, outdoor, with partial dimensional stability or without 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.

Colourless AQUA LIGNEX I does not contain any pigments and therefore does not provide UV radiation protection. It is therefore advisable to use it in outdoors environments only as a top coat on coloured paint 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 160 – 200 ml/m<sup>2</sup> (ca. 5-6m<sup>2</sup>/l).**

**Dilution:** AQUA LIGNEX I is ready to use with a brush and must not be diluted.

**Over-painting:** in normal conditions it can be sanded down and over-painted after approximately 4 hours.

**Tool cleaning:** with water immediately after use.

### Special instructions

**Contains IPBC and Propiconazole: may cause an allergic reaction.**

Closely follow the instructions for quantities and application method. Do not use incorrectly. Wood protection products are only to be used according to the instructions for use and only when protective measures are needed. Incorrect use may cause damage to health and the environment.

When using preservatives it is essential to comply with the workplace safety and environmental protection standards, for example the standards for the use of hazardous substances and inflammable liquids, taking notice of the information printed on the labelling, particularly symbols and descriptions of hazard warnings and safety advice.

Do not apply to wood destined to come into contact with food, animal feed or drinking water. Not suitable for beehives. The product is toxic for fish and fish-eating animals. Do not apply the product in places lacking protection against accidental escapes or spills (for example on grassland, gravel etc.). Do not apply in the immediate vicinity of watercourses. The product must not be thrown into water. Do not pour onto plants.

During use ensure the face, hands and eyes are adequately protected and that the working area is properly ventilated. Mask electric switches and cabling and protect them from short circuits.

When cleaning surfaces painted with AQUA LIGNEX I, do not use alcohol or solvent-based products or those that are acidic or alkaline. Use only water with neutral soap or light, neutral detergents.

**Information for medical practitioners:** in the event of illness, contact the Centro Antiveleni (poisons department) – Ospedale di Niguarda – Milan – Tel. 02 66101029.

**Waste disposal:** do not dispose of in the sewerage and drainage system, in watercourses or in soil. In the event of product escape or spills, mop up the liquid with absorbent material and dispose of according to current regulations. Do not dispose of with domestic waste; do not pour down the toilet. Packaging containing product residues must be disposed of at a collection centre for hazardous waste.

**ADR/RID:** UN 3082, liquid, n.a.g. (Permetrin), 9, III

**Water hazard class:** water hazard class 2 (WGK2). (Self-classification) hazardous.

**European waste catalogue number 03 02 05 (AVV)**

**VbF Classification:** not applicable.

*The above instructions are consistent with the most recent 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.*