

## AQUA LIGNEX I

### Water-based protective wood stain

3047-in January 2016

#### Description

**Product:**AQUA LIGNEX I is an insecticidal, water-based impregnating agent for wood, with preventive efficacy against silophagous insects, mold and blueing fungus.

**Fields of use:**for transparent treatments on wood, not in continuous contact with the ground or water, such as, for example. coatings, balconies, garage doors, wooden houses, beams, wooden carpentry works.

**Protection:**preventive against silophagous insects, mold and blueing fungus. AQUA LIGNEX I regulates the exchange of wood / air humidity and offers good protection against UV radiation.

**Active principle:**3- (2,2-dichlorovinyl) -2,2-dimethylcyclopropanecarboxylate of m-phenoxybenzyl (PERMETHRIN 25:75): 0.05 g equal to 0.5 g / l (= 0.5 mg per m<sup>3</sup>); 3-iodine-2-propinyl butylcarbamate: 0.8 g equal to 8 g / l (= 8 mg per m<sup>3</sup>);

**Tints:**00 - colorless, 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:**0.750l - 2.5l - (5l - 25l - 100 \* - 200 \* and 1000 \* L and for professional use). (\* only on order).

#### Technical data

**Specific weight:**ca. 1.02 - 1.03 gr / cm<sup>3</sup>, at +20 ° C depending on the colors. **Flash point:**>100 ° C.

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

**Drying:**after 4 hours, depending on the type of wood, the quantity applied and the weather conditions. With low temperatures and / or high humidity, the drying time increases proportionally.

**Odor:**own faint smell; odorless after drying.

**Storage:**validity 2 years in original closed cans. Keep cool, but protected from frost. Close partially used jars tightly. Only store unopened jars. When storing and applying wood preservatives, observe the statutory provisions regarding the cleaning of groundwater and surface water, as well as regarding air pollution.

#### DO NOT REUSE THE CONTAINER.

#### Composition:

100 g of product contain:

- 3- (2,2-dichlorovinyl) -2,2-dimethylcyclopropanecarboxylate of m-phenoxybenzyl (PERMETHRIN 25:75): 0.05 g equal to 0.5 g / l (= 0.5 mg per m<sup>3</sup>);
- 3-iodine-2-propinyl butylcarbamate: 0.8 g equal to 8 g / l (= 8 mg per m<sup>3</sup>);
- Water, co-formulas: to taste 100.

PMC REGISTRATION No. 18994 OF THE MINISTRY OF HOLINESS.

#### Application Notes

**Generality:**mix the product well before use. Do not work at temperatures (environment, substrate and product) below +10 ° C.

**Application systems:**brush, dipping; do not apply by spray!

**Preparation of the substrate:**the wood to be treated must be dry and free from dust and grease. Do not apply on wood with humidity higher than 18%. Completely eliminate old film-forming coatings, as they would prevent the product from penetrating into the wood. On woods with differentiated absorption power, it is advisable to apply a first coat of colorless AQUA LIGNEX I. Some types of tropical woods can delay drying due to internal substances; in this case, first clean the wood with nitro thinner (eg iroko). **Application tips:**

In the presence of large surfaces or highly absorbent woods, moisten the wood with a damp sponge first application. To avoid traces of recovery, treat the surfaces in their total length following the direction of the grain. On end wood it is necessary to increase the number of coats of AQUA LIGNEX I to reduce the absorption of water as much as possible.

The hardware (nails, screws, hinges) as well as other metal parts, which could come into contact with the product, must be made of corrosion-resistant material.

#### Recommended cycles:

- New wood with no dimensional stability	3 x AQUA LIGNEX I colored with intermediate sanding, grain 280 depending on the degree of absorption of the wood and exposure to the elements.
- New wood with partial dimensional stability	1 - 2 x AQUA LIGNEX I 1 - 2 x Lignex Aquagel, depending on the degree of absorption of the wood and exposure to the elements, intermediate sanding grain 280

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- New wood with dimensional stability	1 - 2 x AQUA LIGNEX I 2 x Hydrotop, 280 grit intermediate sanding
- Renew on wood	Remove old paint that is not well adherent; clean and sand the surface to improve adhesion. Then 1 - 2 x AQUA LIGNEX I colored. If the wood has been refurbished, refer to the new wood cycles.

AQUA LIGNEX I colorless does not contain pigments and therefore offers no protection against UV rays, therefore outdoors, it is advisable to use it only as a finishing coat of a colored system or to lighten dark colors. The effect of the individual colors differs according to the wood species, therefore a test painting is always recommended. It is advisable to check the state of the external coatings within 2 years of application, especially that of the artifacts exposed to the southwest, and to renew them if necessary.

**Consumption:** the quantity to be applied is approx. 160 - 200 ml / m<sup>2</sup>.

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

**Overpaintable:** under normal conditions, after approx. 4 hours. it can be sanded and painted over.

**Cleaning of tools:** with water, immediately after use.

### Special instructions

#### NATURE OF RISKS (R phrases)

- R52 / 53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### SAFEGUARDS (S phrases)

- S2 Keep out of the reach of children.
- S13 Keep away from food or feed and drink.
- S20 Do not eat or drink during use.
- S21 Do not smoke during use.
- S24 Avoid contact with skin.
- S45 In case of accident or if you feel unwell, consult a doctor immediately and possibly show him the label.
- S61 Do not release into the environment. Refer to Special Instructions / Safety Data Sheets.
- If the product is used in a place where you will stay for a long time, ventilate the room sufficiently before staying there again.
- Not to be sold in bulk.
- After application, wash thoroughly with soap and water.

#### Specific classification of certain preparations:

Contains 3-iodine-2-propinyl butylcarbamate. May produce an allergic reaction.

**Caution:** scrupulously observe the doses and methods of use indicated, avoiding improper use. Wood preservatives are to be used only in accordance with the instructions for use and only when protective measures are necessary. Incorrect use can cause damage to health and the environment.

When using preservatives, it is necessary to comply above all with the workplace safety and environmental protection regulations (for example those on dangerous substances and flammable liquids) following the markings on the label (in particular the symbols, definitions and indications of danger and safety tips).

Do not apply on wood intended to come into contact with food, feed or drinking water. Not suitable for hives. The product is toxic to fish and to animals that feed on fish. Do not proceed with the application of the product in unprotected places in case of leakage or extravasation of the same in the ground (lawns, gravel for example). Do not apply in the immediate vicinity of water courses. The product cannot be thrown into water. Do not pour on the plants.

During use, adequately protect the face, hands and eyes, ensuring sufficient ventilation in the workplace. Shield switches and electrical cables, and protect them from short circuits.

To clean surfaces painted with AQUA LIGNEX I do not use alcohol or solvent based products or products with an acid or basic character. Use only water with mild soap or mild neutral detergents.

**Information for the doctor:** In case of discomfort, consult the Poison Control Center - Niguarda Hospital - Milan - Tel. 02 66101029. **ADR / RID:** Not applicable.

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

In case of leakage or spillage of the product, collect the liquid with absorbent material and dispose of according to the regulations in force. Do not dispose of the product with household waste, do not put the product in the sewers. European waste catalog 03 02 99, 08 01 15.

*The aforementioned indications correspond to the most recent state of the art in development and use. Since the use and application of the products are beyond our sphere of influence, we are only liable for the consistent quality of the products. If in doubt, please ask for our technical advice.*