

LIGNUM P-501

WATER-BASED WOOD IMPREGNATOR



LOAD-BEARING STRUCTURES (rooftops, walls, etc.)
FLOORS
FURNITURE
WINDOW AND DOOR FRAMES
FRAMES
ANTIQUES AND WOODEN HANDWORKS

COVERAGE

1 litre per 12 - 15 m². Depending on the application technique, the type of wood, the wood surface finish and the number of coats.

TYPICAL USE

- ➔ **Impregnator** composed by water-based polymer emulsion. It's suitable **for all types of interior and exterior wooden surfaces.**
- ➔ As **primer:** for wooden surfaces needing a finishing treatment.
- ➔ As **finish:** for surfaces not exposed directly to the atmospheric agents.

BENEFITS

- ➔ Excellent aesthetic quality with **just one coat.**
- ➔ **It does not create any bleaching or greying** on the surface, neither in the knots in wood.
- ➔ It colours the wood fibre **without forming film on the surface.**
- ➔ **It enhances** the wood grain.
- ➔ The surfaces remain **permeable by steam**, even after the treatment.
- ➔ **It may not sand** the surface neither after application, nor after the regular maintenance. It's possible to use a plastic abrasive pad, but only if wood fibres are very soft.
- ➔ The application is **easy and quick** on any wood types .

- ➔ The colour versions have **good resistance to ultraviolet rays.** The dark colours have increased resistance, the light ones have less resistance instead.
- ➔ **Safe** for environment and for the worker.

APPLICATION METHOD

The product is **ready to use.**

Before the application

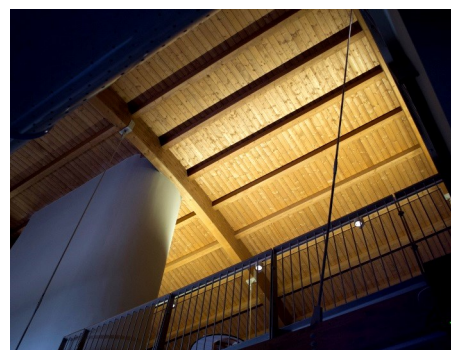
- ➔ The **surfaces** to be treated may be perfectly **clean and dry.**
- ➔ The **tools** may be **clean** (without any residues and impurities) **and dry.**

Application tools

Paintbrush, sponge, immersion, spray gun, impregnation machine (with or without brushes). The **best conditions for application** are ones with types of flat brushes as HYDROVELVET.

Application

- ➔ Shake (or stir with clean tool) the product before use.
- ➔ Apply the product in a uniform way on the surface, and then let it dry.
- ➔ **As primer:** wait 24 hours for finish application. The surface should be dry, anyway.
- ➔ **As finish:** the surfaces may not be ex-



posed to atmospheric agents. Just in case of the second coat, it is recommended to wait 30/40 minutes between the first and the second coat. The surface must be dry, anyway.

Drying time

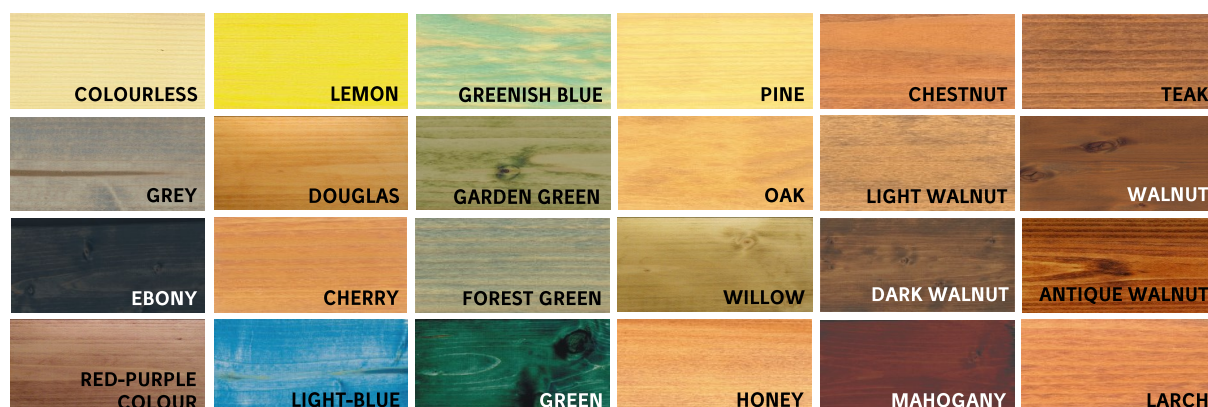
For the first coat: in well-ventilated place, about 20°C, from 15 to 30 minutes generally are enough. In case of second coat, wait 30-40 minutes. The surface must be dry, anyway.

Tools cleaning

Clean tools by clean water immediately after use. If it is not possible to remove totally all residues of product because of delay of cleaning, (especially on the impregnation machines), use LIGNUM BIO-SOLV or please contact our Technical Office.

Maintenance of treated surfaces

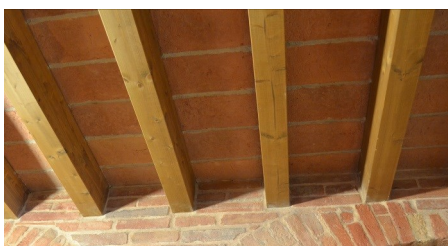
As finish: after cleaning the surface (it is not necessary to sand it) with a soft sponge and water or diluted LIGNUM PULIX (depending on levels of soil), apply Lignum P-501 again if necessary. Please contact our Technical Office for LIGNUM PULIX instructions for use.



ADVICE: the colours in the image are not binding, even if they are nearly authentic and they are indicative. They do not represent the entire range of our pigmentations (it is possible to request customised pigmentations).

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TECHNICAL DATA

Aspect: liquid

Colour: white (colourless version)

Odour: fruity essence

Density (20°C): 1,00±0,06 g/ml

pH: 9-11

Water solubility: miscible

Boiling point: about 100°C

VOC CONTENT - Volatile Organic Compounds (The paints Directive 2004/42/CE)

Interior and exterior minimal build wood-stains. VOC limit: 130 g/l. **VOC in g/l of the product in a ready to use condition: <0,9 g/l.**

PACK SIZES

- 1 litre tin (Case pack - 12 units)
- 2,5 litres metal bucket (Case pack - 8 units)
- 5 litres metal bucket (Case pack - 4 units)
- 25 litres metal bucket (pallet - 36 units)

Our products are transported on ENVIRONMENTALLY-FRIENDLY pallets. The wood of pallets comes from PEFC certified forests.

WARNINGS

- Apply the product at temperature between +10°C and +30°C. Lignum p-501 is water-based: **protect from frost!**
- **The treated wood should not be exposed outside neither during the drying step, nor after that. Do not handle the treated wood with gloves or wet hands.**
- After application, some of the wood fibres may slightly lift up (depending on wood species): rub the surface with a soft brush or a plastic-fibre pad (WHITE type).
- Considering the great variety of wood species currently on the market, **a test is always recommended before proceeding with application.** Contact our Technical Office for further information.

STORAGE

Store the product in original container, tightly closed, in a cool and ventilated place, keep it away from sources of heat. Protect from frost. Storage temperature: between +5° and +30°C. The shelf-life: 6 months from production. (see batch label on the pack).

LABELLING

Hazard statements: none.

Precautionary statements

Keep out of reach of children. Read label before use.

CERTIFICATIONS

Reference standard: UNI EN 11507 2002 - *Paints and varnishes - Exposure of coatings to artificial weathering - Exposure to fluorescent UV lamps and water.* Lignum P-501 exceeded 1 ageing cycle, remaining unaltered on the surface.

The information presented in this document is the result of our wider scientific and operational experience, oriented to the achievement of our best results on the specific job. However, the information provided implies no liability or other legal responsibility on our part as well as no other subsidiary obligation under the contract of sale. Customers are not released from the obligation to test the products on their own, in order to determine the suitability of the product for their own purposes. The information given in this technical sheet is based on our present state of knowledge and experience; HDG srl reserves the right to make changes according to technological progresses or further developments. It is the responsibility of the users to ensure that the present data sheet has not been replaced by the updated one. If you are in doubt, please contact our Technical Department.