

# LIGNUM HYDROMIL

## WATER REPELLENT IMPREGNATOR FOR WOOD



STRUCTURES  
FURNITURE  
WINDOW AND DOOR FRAMES  
BRIDGES AND WHARFS  
FRAMES  
GAZEBOS, FENCES, PLANT BOXES, GARDEN SEATS  
FLOORS  
WOODEN HANDWORKS

### COVERAGE

15-30 m<sup>2</sup> per 1 litre. Depending on the application technique, the type of wood, the wood surface finish and the number of coats carried out.



### TYPICAL USE

- **Water repellent impregnator** composed by water-based waxy polymeric emulsion. It's good for **any type of wooden surface, especially if it's in exterior.**
- It can be used as **finish** or **primer** for wooden surfaces treated with Lignum Nature in a second step.

### BENEFITS

- It **protects** the wood from atmospheric agents, it reduces dimension variations and, at the same time, it keeps wood permeability.
- It increases the wood durability: wood treated with pigmented LIGNUM HYDROMIL **exceeds 4 ageing cycles, without any change in original structure and finish.** In the end of the application, the wood looks darker, as natural change of wood exposed to the sunlight (Standard UNI EN ISO 11507 2002).
- **Just one coat** of product allows excellent protection and aesthetic quality: **waxy finish enhances the natural beauty of wood** and it makes it soft to the touch.
- 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.**
- **Do not sand the surface** neither during the application, nor during regular maintenance. It's possible to use a plastic abrasive pad, but only if its fibres are very soft.
- It **resists** to chlorinated water steams (swimming pools), and sodium chloride (saltiness) and acidic solutions.
- It's **easy and quick to apply** the product on any wooden surface.

- It **inhibits the adhesion of mortar and concrete** on the wood and it eases the removal of residues (splashes and castings, etc.) from the surfaces: for elimination of the residues, it's enough to use a rag or a sponge moistened within a few of hours of the plaster application or the concrete castings process.
- The colour versions have **good resistance to ultraviolet rays.** The dark colours have increased resistance, the light ones have less resistance instead. The product protects the wood from the natural ageing through an **exact process control and regular maintenance.**
- **Safe** for the environment and for the worker.
- It can resist to the main xylophagous fungi (dry rot fungi and blue stain fungi) even a several years after and although it doesn't contain any biocides.

### APPLICATION METHOD

The product is **ready to use.**

#### Before the application

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

#### Application tools

Paintbrush, sponge, immersion, spray (only airless), wax spreader, impregnation machine (with or without brush). The **best conditions for application** are with types of brushes as HYDROVELVET.

#### Application

- Shake (or stir with clean tool) the product before use. Don't mix by high-speed shakers.
- Apply the product in a uniform way on the surface, and then let it dry.

- **As finish:** just in case of the second coat, it's suitable to wait 30/40 minutes between the first and the second coat. The surface must be dry, anyway. For gloss effect, rub the dry surface by soft rag.
- **As primer:** wait 24 hours for finishing application of Lignum NATURE. 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 1 hour. The surface must be dry, anyway.

#### Tool cleaning

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

#### Maintenance of treated surfaces

As finish: after cleaning the surface, (it's not necessary to sand it), apply Lignum Hydromil again, with a soft sponge and water or with diluted LIGNUM PULIX (depending on levels of soil). Please contact our technical office for LIGNUM PULIX instructions for use.

# LIGNUM HYDROMIL

WATER REPELLENT IMPREGNATOR FOR WOOD



COLOURLESS	LEMON	GREENISH BLUE	PINE	CHESTNUT	TEAK	HONEY
SPECIAL IVORY	DOUGLAS	GARDEN GREEN	OAK	LIGHT WALNUT	WALNUT	
GREY	CHERRY	FOREST GREEN	WILLOW	DARK WALNUT	ANTIQUE WALNUT	
EBONY	LIGHT-BLUE	GREEN	RED-PURPLE COLOUR	MAHOGANY	LARCH	

**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:** vegetal essence

**Density** (20°C): 1,00± 0,06 g/ml

**pH:** 8-9

**Water solubility:** miscible

**Boiling point:** about 100° C.

## PACK SIZES

- ⇒ 1 l tin (case pack - 12 units)
- ⇒ 2,5 l metal bucket (case pack - 8 units)
- ⇒ 5 l metal bucket (case pack - 4 units)
- ⇒ 25 l metal bucket (pallet - 36 units)

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

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

Interior and exterior minimal build woodstains.

VOC limit: 130 g/l. **VOC in g/l of the product in a ready to use condition: <1,7 g/l.**

## WARNINGS

- ⇒ Apply the product at temperature between from +10 ° C to +30° C. Do not apply the product on the hot surface or exposed to the sunlight for a long time.
- ⇒ **Cancel friction** out among the treated wood parts: **it increases the slipperiness** on inclined planes, for example on the coverings. It is necessary to adopt preventive measures to avoid any falls of material from the top. **It is forbidden to walk on the treated surfaces** (even if provided with appropriate personal safety devices). **THE MAXIMUM CAUTION NEEDS WHEN HANDLING THE TREATED WOOD COMPONENTS** (transportations, roofing assemblages, etc.).
- ⇒ 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).
- ⇒ Whereas the great variety of wood species currently on the market, **a test is always recommended before proceeding with application.** Contact our Technical Department 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 ISO 11507 2002 - Paints and varnishes - Exposure of coatings to artificial weathering - Exposure to fluorescent UV lamps and water.** Lignum Hydromil exceeded **4 ageing cycles**, 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.