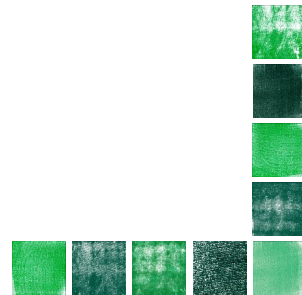


# LIGNUM HYDROMIL

## WATER-BASED WATERPROOFING WOODSTAIN WITH WAX



### PRODUCT DESCRIPTION

- **Lignum Hydromil** is a **water-repellent woodstain** composed of a water-based waxy-polymeric emulsion.
- **It colours** any wooden surface (25 available colours).
- **It can be used as a finish or as a primer** on surfaces treated with LIGNUM NATURE or LIGNUM EASY.

### RECOMMENDED USE

Lignum Hydromil can be used **on any type of wooden surface**, especially outdoors.

The product is suitable for:

- ROOFS
- CLADDINGS
- FURNITURE
- GARDEN HOUSES AND GARDEN FURNITURE
- FRAMES
- DOORS AND WINDOWS
- FENCES
- BENCHES\*
- PLANTERS
- GAZEBOS AND CARPORTS
- WOODEN ARTEFACTS AND OBJECTS
- FLOORS\*
- BRIDGES AND NAUTICAL JETTIES\*

\*Consider finishing treatment with Lignum Nature or Lignum Easy.

### COVERAGE

**15 - 30 m<sup>2</sup> with 1 litre of product.** The coverage may vary depending on the application method, the wood species treated, the surface texture of the wood and the number of coats carried out.

### CHARACTERISTICS

- High aesthetic quality even with **just one coat of product**.
- **It protects** wood **from weathering**, significantly reducing its dimensional variations and increasing its durability.
- The waxy finish makes **the wood soft to the touch**.
- **It enhances the natural beauty** of wood and its grain and colours the fibre **without creating a surface film**.
- **It does not create bleaching or greying** of the surface, not even near knots.
- It maintains the **vapour permeability** of wood.
- It resists to **chlorine-containing water vapours** (e.g. swimming pools) and to attack from both **saline** (e.g. sea salt) and **acidic solutions**.
- **It inhibits the adhesion of mortar and concrete** on wood and facilitates the removal of residues (splashes, drips, etc.) from surfaces.
- **No need to sand** the surface either after application or when

carrying out periodic maintenance.

- The coloured versions have high **UV resistance**, retarding the ageing of the material (resistance is higher for dark coloured versions, lower for light coloured versions).
- **Quick and easy** to apply.
- **It is not hazardous** either for the environment or the operator.
- With a correct control and maintenance cycle of the treatment, the product preserves the wood from natural ageing and may provide resistance to the attack of the main lignivorous fungi and blue stain fungi, even years after application, although it does not contain biocides.

### BEFORE APPLICATION

- The **surfaces** to be treated must be perfectly **clean and dry**.
- The used **tools** must be **clean** (free of impurities or residues of other products) and **dry**.

### TOOLS

Brush, HYDROVELVET flat brush, roller, sponge, dipping, spray gun, wax spreader, impregnating machine (with or without brushes).

### METHODS OF APPLICATION

- The product is **ready to use**. It must not be diluted.
- **Shake or mix** the product with a clean tool before use. Do not mix with high-speed stirrers.
- **Apply** the product uniformly on the surface, along the direction of the grain; then let it dry.
- **If used as a finish**, if a second coat is to be applied, wait at least 30-40 minutes between the first and second coats. In any case, the surface must be dry.
- **If used as a primer**, wait 24 hours before applying Lignum Nature or Lignum Easy oil. In any case, the surface must be dry.
- Considering the heterogeneity and multiplicity of the wood species currently on the market, it is recommended always carrying out preliminary checks. In case of doubt, please contact our Technical Department.
- **It is not necessary to sand the surface** after application of the product. In the event that a slight rising of the fibre occurs on some wood species, it is sufficient to wipe the surface with a soft brush or an abrasive pad of plastic fibres (type 'white' or 'red') to eliminate this inconvenience.
- To remove splashes and drips of mortar or concrete, simply wipe with a dampened cloth or sponge within a few hours of applying plaster or execution of concrete castings.

#### ATTENTION (continued on page 2)

- Apply the product at temperatures between +10 °C and +30 °C. Lignum Hydromil is a water-based product: **protect it from frost!**

# LIGNUM HYDROMIL



## ATTENTION (continued from page 1)

- Do not apply the product on hot surfaces or surfaces that have been exposed to the sun for a long time.
- Do not handle treated wood with wet gloves or hands.
- The product eliminates friction between treated wooden parts: on inclined surfaces (e.g. roofing) it increases slipperiness! Do not walk directly on treated wood. Use extreme caution when handling wooden components.

## DRYING TIME

In a ventilated area, at about +20 °C, it usually takes 15 to 30 minutes for the first coat. For the second coat, wait 30 to 40 minutes. In any case, the surface must be dry.

## CLEANING OF TOOLS

With clean water immediately after use. In the event of excessive cleaning delays, which prevent the perfect removal of product residues (especially in impregnating machines) use DETERSOLV or contact our Technical Department.

## TREATMENT MAINTENANCE

After cleaning the surface with a damp sponge (it is not necessary to sand), just apply Lignum Hydromil again.

## PRODUCT STORAGE

Store the product in the original container, well closed, in a cool and ventilated place, away from heat sources. The product is frost sensitive! Storage temperature: between +5 °C and +30 °C. **Shelf life:** 12 months from manufacturing (see batch on packaging).

## TECHNICAL DATA

**Aspect:** liquid  
**Colour:** white  
**Odour:** characteristic  
**Density:** (20 °C): 1 ± 0.6 g/ml  
**pH** (20 °C): 8.20  
**Solubility:** soluble in water  
**Boiling point:** about 100 °C

## COMPATIBLE PRODUCTS

- Woodworm treatments: LIGNUM AT®
- Primer treatments with: LIGNUM P-9000, LIGNUM P-501, LIGNUM BIANCOLEGNO®, LIGNUM TERRADILEGNO, LIGNUM ORIGINAL, LIGNUM BIANCOSTYLE, LIGNUM PRIMER 115.
- Filler: XILOSTUH.
- Finish treatments with: LIGNUM NATURE\*, LIGNUM EASY\*.
- Products of other brands: always carry out preliminary checks.

\*The finish treatment with Lignum Nature or Lignum Easy may alter the background colour: on white colours, the preservation of the original shade is not guaranteed.

## PERFORMED TESTS

**CONTENT OF VOCs** - Volatile Organic Compounds (Directive 2004/42/EC) - Woodstain forming a film of minimum thickness. Maximum limit: 130 g/l. VOCs expressed in g/l of product ready to use: <1.99 g/l.

**Standard UNI EN ISO 11507** - Exposure of coatings to artificial weathering. Lignum Hydromil has passed 3 ageing cycles without significant changes.

**Standard EN 71:3:2019+A1:2021** - Safety of toys - Migration of certain elements. The tested cycle Lignum P-501 + Lignum Hydromil meets the requirements of the standard.

## LABELLING

**No signal words**

**Hazard statements**

Safety data sheet available on request. Contains: Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

**Precautionary statements**

Keep out of reach of children.

**Article treated with biocides (Art. 58 EU Reg. 528/2012).**

Contains: mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) [C(M)IT/MIT (3:1)].

## PACK SIZES

- 1 litre metal can (box containing 12 pieces)
- 2.5 litre metal bucket (box containing 8 pieces)
- 5 litre metal bucket (box containing 4 pieces)
- 25 litre metal bucket (pallet containing 24 pieces)

Transport packaging consists of **ECO-SUSTAINABLE PALLETS** (with certification of use of wood sourced from PEFC-certified forests).



**Manufactured by HDG Group S.r.l.**

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