



HYDROIL ESTERNO

WATER-BASED ANTI-WEATHERING OIL IMPREGNATING SEALER FOR OUTDOOR WOOD



User guide

DESCRIPTION:

Oil-resin-wax impregnating emulsion based on modified drying oils, resins, and microcrystalline waxes.

FIELDS OF APPLICATION:

Suitable for all types of untreated outdoor wood surfaces, including decking, wooden flooring, boards, garden furniture, tables, beams, and timber structures.

CHARACTERISTICS:

HYDROIL ESTERNO is an oil-resin-wax impregnating protective treatment for all untreated exterior wood surfaces, including decking, cladding, wooden structures, outdoor furniture, doors, and window frames.

HYDROIL ESTERNO:

- is a water-based, odourless, non-hazardous product that is easy to apply;
- is simple to use and dries quickly (30–60 minutes), allowing a complete treatment cycle to be finished within a few hours;
- helps prevent wood ageing and greying;
- provides excellent protection against water, stains, weathering, UV rays, and wear;
- enhances the natural colour of the wood, leaving a transparent, matte finish with a premium silky touch;
- is lightly pigmented to give the wood a warm tone while improving UV protection;
- can be easily tinted with IDROTONER (maximum concentration 10%; e.g. 1 kg of HYDROIL ESTERNO / 100 g of IDROTONER) to create customised transparent finishes that preserve the natural wood grain;
- has a low VOC (Volatile Organic Compounds) content;
- is easy to maintain over time through routine cleaning with DETERCLEAN and the application of BARRIER, the anti-dirt and anti-weathering maintenance finishing wax, once or twice a year.

Do not apply to varnished or painted wood.

INSTRUCTIONS FOR USE:

The product must be applied to clean, well-sanded, untreated wood surfaces. For maintenance of surfaces previously treated with HYDROIL ESTERNO, apply a fresh coat after cleaning and lightly sanding the surface (e.g. with 150-grit sandpaper).

- Stir HYDROIL ESTERNO thoroughly before use.
- The product is generally applied in two coats using a brush or a short-pile roller, ensuring even coverage of the wood surface.
- Apply the second coat as soon as the first coat is dry.
- Sanding between coats is not necessary unless the wood fibres have been raised. In this case, lightly sand the surface with 150-grit sandpaper before applying the next coat.

It generally dries within 30–60 minutes.

Apply the product on days that are not excessively windy or hot, and avoid direct sunlight to prevent it from drying too quickly.

YIELD

Coverage depends on the absorbency of the wood:

- Low-absorbency wood: 1 L / 10–15 m²
- High-absorbency wood: 1 L / 7–10 m²

MAIN RELATED PRODUCTS

- DETERCLEAN – Non-aggressive degreasing cleaner specifically formulated for outdoor wood.
- BARRIER – Protective finishing treatment that helps prevent dirt build-up and weathering on outdoor wood.

PRECAUTIONS:

- Before applying HYDROIL ESTERNO, the wood moisture content must not exceed 13–15%.
- Apply the product on days that are not excessively windy or hot, avoiding direct sunlight to prevent it from drying too quickly. On certain wood species exposed to heavy weathering (e.g. chestnut and oak), tannin bleed may occur after the application of HYDROIL ESTERNO.
- At the end of the application, do not leave cloths, sponges, sawdust, or other materials soaked with HYDROIL ESTERNO piled together, as they may present a risk of spontaneous combustion. Thoroughly soak them with water before disposal.
- Clean surfaces treated with HYDROIL ESTERNO only with pH-neutral cleaners.

NOTES:

The information provided is based on the current state of research and is intended to offer the best possible guidance to the purchaser and user. However, these recommendations do not replace preliminary testing, which should always be carried out to verify suitability for the intended application, the type of material, and the specific site conditions. The user is solely responsible for determining the product's suitability and intended use. MARBEC S.r.l. accepts no liability for improper use of its products. Rev4–Ver22032025

WARNINGS:

Hazard statements: Harmful to aquatic life with long lasting effects. – Contains: , 3-iodo-2-propinyl butylcarbamate. May produce an allergic reaction.

Precautionary statements: Avoid release to the environment.

VOC (Directive 2004/42/EC) : Minimal build woodstains.

VOC given in g/litre of product in a ready-to-use condition : 20,00 Limit value: 130,00

Rev4-Ver250322

PACKAGING:

- 1 kg PE container – box of 6
- 5 kg PE bucket – box of 4

YIELD:

Coverage depends on the absorbency of the wood:

- Low-absorbency wood: 1 L / 10–15 m²
- High-absorbency wood: 1 L / 7–10 m²

TECHNICAL DATA:

- Appearance: Hazelnut-coloured liquid
- Specific gravity: 1.022
- pH: 8
- Flash point (ASTM): > 90°C
- Water solubility: Fully miscible with water
- Drying time: 30–60 minutes, depending on ventilation and temperature
- Full curing time: 24 hours

STORAGE:

Keep the container tightly closed and store at temperatures between 0°C and +30°C, away from prolonged exposure to direct sunlight.

When stored correctly, the product has a shelf life of 2 years.

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