Everwood®

100% Ecological

Eco Sealer

TOTAL PROTECTION FOR WOOD

PRODUCT INTENDED FOR PROFESSIONAL USE - REVISED: 01 FEBRUARY 2022

Everwood® Eco Sealer is a deep penetrating sealer to protect of all types of wood from deterioration. It consists of a proprietary waterglass-based mixture modified with a special modifier. The product penetrates in-depth into the natural porosity and binds to the wood fibres to form a permanent barrier.
Everwood® Eco Sealer effectively reduces the flammability of wood, it protects from the absorption of water and moisture.
Everwood® Eco Sealer extende the wood's durabilty and any subsequent paints or treatments.

Properties

Everwood® Eco Sealer is a permanent barrier that is particularly effective for preventing and reducing moisture absorption in the wood (by at least 50%) and prevents the formation of mildew, fungi, bacteria, termites and flames, which are the leading causes of deterioration. It reduces the penetration of oils, grease and pollutants.

Everwood® Eco Sealer does not produce a film but penetrates the wood fibres and allows the wood to breathe normally.

Everwood® Eco Sealer protects the wood from freeze / thaw cycles.

Everwood® Eco Sealer increases hardness and the resistance of wood to wear over time.

Everwood® Eco Sealer considerably reduces the flammability of wood (NT fire 030 – 004).

Everwood® Eco Sealer does not change the texture or natural colour of the wood. The product penetrates and dries quickly (from 30 min to 1-hour max) and can be over-painted with waterborne products after 48 hours, with other products after 30 days.

Everwood® Eco Sealer enhances the adhesiveness of varnishes, colourants, paints and putties uniformly and extends their working life by 300%.

Everwood® Eco Sealer is odourless, colourless, non toxic and enviromentally friendly.

Uses

- Wood houses.
- Wood trusses and garrets.
- Outdoor wooden structures as a porch, sundeck or patio cove.
- Wooden garden furniture.
- Storage sheds.
- Timber fencing.
- Window casings and balconies.
- Containers for plants and wooden staves.
- Special floors.

Technical features

Composition	Proprietary blend of waterglass in aqueous solution
Expiry	minimum 24 months if stored sealed
Flammability	Not flammable
Coverage rate (1)	150 g/m^2
Enviromental risk	None
Organic properties	Odourless, colourless liquid
Storage	Store frost free and keep away from glass and Aluminium
VOC Content	None
Dilution	None - ready to use
Curing	30 days. Can be handled after 1 hour
Packaging	5 kg and 1 kg

(1) The coverage depends on the surface porosity

Application

Normal surface and untreated wood do not require any preparation. Everwood® Eco Sealer must be applied at temperatures above 5°C.

All previous treatments or paintings must be removed in order to ensure the penetration and effectiveness of Everwood® Eco Sealer.

Stir the product thoroughly before use. Do not diluite or mix Everwood® Eco Sealer with any other liquid. Apply the product as provided.

Everwood® Eco Sealer should be applied using brushes,

rollers or by spraying with low-pressure pumps (max 5 bar). The standard application requires one coat only, and the coverage rate depends on the surface. For degraded wooden supports or to strenghten the protection, wait 7-10 days and apply a second coat.

Apply freely to saturate the surface.

Apply from the bottom upwards on vertical walls.

Following treatments:

If you wish to keep the natural wood appearance, you can leave **Everwood® Eco Sealer** as is, without the need for overpainting. However, it doesn't protect against UV rays. **Everwood® Eco Sealer** provides excellent moisture protection and is an optimum base for subsequent treatment. After 48 hours of curing, you can apply water-based products and use solvent-based or film-forming paints after complete curing. Users are encouraged to test the product before application.

Other applications:

You can contact Ecobeton technical service for any further advice or explanation. (email: europe@ecobeton.it)

Cleaning:

Clean tools immediately after use with water.

Performance

Properties	Result	Reference standard
Water absorption	50 % reduction	
Fire resistance	Class 1 on 12 mm MDF	NT Fire 030 and 004
Used as an undercoat for paints	300% increase in life cycle	
Life of the treatment	Permanent	

Warnings

Whitish stains can appear (after about one hour) when overapplying the product. These can be removed easily by using a slightly moist abrasive sponge before curing the product.

Glass and Aluminium: protect glass and aluminium during application (watches, glasses, etc.) as they can be damaged by the product.

Temperature: do not apply below 5°C and above 40°C. Do not apply when precipitations are forecsted within 24 hours.

Note:
The information contained in this sheet is accurate to the best of our current knowledge. The products are of the highest quality and standard with regard to production tolerances. As it is impossible to carry out any controls on the application of the product, no express or implicit guarantee is provided as regards the final result and no responsibility is accepted directly or indirectly by the use of the products. Users are encouraged to carry out tests before application.

Everwood Line

The Everwood line includes:

Everwood® Eco Sealer - Preservative deep penetrating sealer for wood.

Everwood® Bio Varnish - Transparent bio-polyurethane varnish for wood.

For more details visit website:
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Ecobeton Italy s.r.l. is a company certified with ISO 14001 enviromental management system.

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