

TECHNICAL DATASHEET

HAPPY WOOD VARNISH ***LASURE BOIS – LOW VOC***

PRODUCT DESCRIPTION

A clear low VOC water-based Varnish for the protection of most types of exterior timber. It provides a tough and durable transparent finish protecting the wood from UV and weathering damage. A non-yellowing film with excellent water resistance and outstanding durability.

ENVIRONMENTAL STANDARDS & VOC REQUIREMENTS

This paint conforms to environmental standards, is free of toxic materials, solvents and has a VOC content value <1% complying with **ASTM D2369-20**

PRODUCT BENEFITS

- 1- Eco-friendly product
- 2- Enhances wood structure
- 3- Non-yellowing
- 4- Excellent weathering resistance
- 5- Excellent UV resistance (no flaking or gloss reduction)
- 6- Excellent water resistance
- 7- Excellent leveling properties
- 8- Excellent resistance to blocking

RECOMMENDED USES

Suitable for use on bare soft or hardwood. It can be applied to most exterior smooth timber including window frames, doors, cladding etc.

SURFACE PREPARATION

Surfaces should be solid, clean and dry, free from oil, grease, salt, dust and other contaminants.

Remove any loose materials. Clean with a suitable detergent to remove mould and dust.

Deteriorated wood must be sanded down to sound wood.

Do not use at temperatures below 5°C and/or above 80% relative humidity

PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid
Appearance Milky (clear after drying)
Gloss, Semi-Gloss, 10% Gloss, Matt
Odor None

Specific Gravity, ISO 2811 1-1.05 g/cm³
Viscosity, ISO 2884 Non-drip
8-12 Poises

Drying Time, ASTM D5894 2-3 hours
Recoat Time 4-6 hours

Sag Resistance, ASTM D3730 Excellent
Leveling Excellent
Water resistance Excellent
Weathering resistance Excellent

Coverage 12-15 m²/L per coat

Very low VOC <1 %

THINNING/ APPLYING

- 1- Smooth & Take off dust from wooden surface
- 2- Apply the first coat of varnish diluted up to 30% on unpainted substances. Leave to dry for about 6 hours, rub down slightly with a fine sand paper and apply the second coat diluted up to 10%. For maximum protection, apply three coats. For optimal film finish, apply in the direction of wood grain.

If needed, apply a wood stain before applying the varnish.

Clean tools and equipment with water immediately after use.

PACKING

In cylindrical tin containers of the following capacities:

- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1 Pail (5 U.S.G.) = 20L

STORAGE

Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.

All details about working with our products should be adapted to prevailing local conditions and materials used.