EXTERIOR WOOD VARNISH

DESCRIPTION

A water-based, waterproof, microporous, UV resistant clear protection for exterior wood. The unique polymer system gives a silky satin finish and highlights the natural grain of the wood. It is suitable for exterior softwood and hardwood timber applications, giving a high level of UV resistance, waterproofing and preservation.

A clear acrylic hybrid coating specially formulated to protect exterior wood against ultraviolet light and rain damage, with a durable satin finish.

FOR USE ON

Fences • sheds • garden furniture • other outdoor woodwork • exterior softwood and hardwood timber applications • exterior doors • windows • woodwork • garden furniture

AVAILABLE FINISHES

Satin for depth and a soft sheen, dead flat for a completely shine free surface.

UNIQUE SELLING POINTS

Water-proof, stain resistant, heat resistant, and vapour permeable. This product is self-extinguishing.

Very fast drying. Microporous. Complete biocidal protection.

UV protective filters - absorb harmful UV radiation, providing colour fade resistance, surface stability, and protection from outdoor weathering, non-yellowing.

Microporous, the special microporous structure, resists water ingress. The water repellent surface is highly durable. the structure allows the finished surface to breathe. The minute micro pores repel mould and other airborne contaminants whilst allowing air to pass through, protecting the decor from algae, mildew and fungal attack.

Biocide boost - the finished surface remains free from mould, algae and fungus. Inside and outside.

Quick drying - fast dry and recoat time.

As with all water-based coatings, do not apply at temperatures below 8°C (as recommended by British Standard BS 6150). Or above 30°C.

General

Timber surface must be suitably prepared, clean and dry, with dust, dirt, wax and grease removed.

The timber should be allowed to acclimatise to its end-use environment. The moisture content should not exceed 18% prior to coating.

Degrease any exposed bare timber surface by wiping with a cloth dampened with methylated spirits. Certain timber species contain high levels of natural wood extractives or exudates, and some softwood can be highly resinous. Resinous deposits should be removed with a scraper.

Any remaining residues should be removed using a lint-free cloth dampened with methylated spirits, frequently changing the face of the cloth. Allow solvent to evaporate fully before overcoating.

The use of both eye and hand protection is strongly advised.

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We do not recommend the use of “knotting agents” as they are not always fully effective in “sealing in” resin. In addition, the presence of knots is often highlighted, and adhesion of coatings can be impaired.

When filling, be sure to use fillers specifically designed for use with timber. General or all-purpose fillers are not suitable, particularly on external areas, as they cannot cope with timber movement and work loose.

SURFACE PREPARATION

All surfaces must be clean and free from dust, dirt, oil/resins and contamination.

Ensure the surface to be coated is clean and free from grease, wax or polish. Exterior timber surfaces should always have a 9-degree slope to allow water to flow away and not gather in joints. This helps to prevent water gathering on horizontal surfaces It is important oil is removed from the surface prior to coating (oily timbers e.g., Teak, Iroko, Rosewood, otherwise that could cause a problem with adhesion, so put some methylated spirits onto a cloth and then give the surface a good wipe down. The important thing is to rotate the cloth around. Polyvine does not recommend using white spirit, when using water-based systems, it can leave a greasy residue on timber, so methylated spirits is better. For very oily, durable timbers like Iroko cellulose thinners may be necessary.

APPLICATION

Ensure the product is well mixed but do not shake (Inverting the container several times allows the particles to distribute evenly throughout the varnish) creating a uniform solution.

Use a Polyvine varnish synthetic brush, recommended, or by conventional spray or HVLP spray or Gloss Roller. Roller, take care, stippling may occur, do not apply pressure this will generate air bubbles in the varnish.

Thinly apply 3 coats with a Polyvine brush. On porous surfaces dilute the first coat with 10% water.

For a dead flat finish with high durability (water, stain, abrasion, resistance), apply 3 coats of satin followed by one of dead flat.

As with all water-based coatings, do not apply at temperatures below 8°C (as recommended by British Standard BS 6150). Or above 30°C.

General Details for Preparation of Surfaces

New wood should be allowed to dry thoroughly before assembly begins. If the wood is green or has been pressure treated allow to dry before coating (below 18% moisture content).

New and Weathered Wood

New wood can be contaminated during preparation, or in the machine shop. Weathered wood can already have contaminants on the surface.

All contaminants and millwork must be removed from the surface by sanding, 80/120 grit for vertical, 60/80 grit for horizontal surfaces.

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Fungus, pollen or spores not removed and trapped below the clear varnish will discolour the surface of the timber when exposed to moisture. If contamination is suspected treat timber with a proprietary preservative treatment as recommended by the manufacturer.

Previously Painted Wood

Completely remove old coating with 60/80 grit sandpaper.

Ensure surface is dry clean and free from dust, follow new and weathered wood instructions.

Precoating

Fill all joints, cracks, and nail holes with a good quality polyurethane or acrylic filler prior to coating.

Coating

Apply Exterior Wood Varnish liberally with a good quality synthetic brush, apply in the direction of the grain, maintain a wet coat.

Allow 4 Hours Between Coats

Do not apply in direct sunlight or when rain is imminent.

Saturate all end grains.

Exterior Wood Varnish contains a sophisticated UV filter system, this system will protect to the maximum when the dry film thickness reaches 100 microns (3 coats).

Windows, doors and exterior furniture, contain a lot of joints and end grain, to ensure maximum life and to avoid coating delamination, the following procedures should be carried out.

Coat on all surfaces, inside and outside and all edges. Holes, joints and end grain, saturate liberally with the clear coat, fill with good quality filler as required.

CAUTION

Always apply to a test area before starting work. Care must be taken when applying in high temperature or direct sunlight as this will affect drying time. Do not apply when rain is imminent. Coating life will be substantially reduced on horizontal surfaces (a minimum of a 15 degree slope is required), and where the coating is in contact with the ground or pooled water.

Oak

We do not advise Polyvine Exterior Wood Varnish is used on Oak.

For protection of Oak, Polyvine recommend Polyvine All-Purpose Wood Oil.

This product can experience problems on oil timbers, such as Iroko. The timber must be cleaned thoroughly with methylated spirit, and tested for compatibility before full application.

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Caution

Intense exposure to sunlight will cause gradual fading of the timber colour. A pretreatment of Polyvine Wood Dye is recommended in these areas to enhance the timber colour and prevent fading.

Application to softwood, knots and resin pockets will bleed through the coating.

Maintenance

Inspect yearly for signs of wear or damage.

Clean surface thoroughly and wash of all cleaning solution.

A maintenance coat should be applied every 1/3 years on exposed areas, 3/4 years on less exposed or sheltered areas.

COVERAGE

Coverage 10-20 sq. m per litre, 108-215 sq. ft per quart depending on the porosity of the substrate.

NUMBER OF COATS

See Application section for number of coats.

Cure Time:	Up to 5 days @ 20°C / 70°F
Drying Time:	30mins @ 20°C / 70°F
Recoat Time:	4 hours

PACKAGING

100ml, 500ml, 1L, 4L, 3.52oz, US pint, US Quart, US gal. plastic containers.

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STORAGE

Protect from extremes of temperature during storage and application.

Store in unopened containers in a cool dry place away from direct sunlight.

Shelf Life: Many years in tightly sealed container.

HEALTH SAFETY AND THE ENVIROMENT

Non-hazardous. Keep out of reach of children. Contact with eyes - wash immediately with warm water.

If swallowed, seek medical advice immediately and show the container or label.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

A breathable varnish is a material that will allow the water vapour to permeate, travel or transfer through itself.

Standard: BS EN ISO 7783:2011 SD Value stands for steam diffusion.

Polyvine Exterior Wood Varnish is Class V2 with good breathability.

CLEAN UP EQUIPMENT

Any equipment used can be cleaned using soap and water before the clear coat dries. Wipe any excess off surfaces with a damp cloth. Any dried deposits will need Polyvine Varnish and Paint Remover to remove them.

DISPOSAL

Look for special facilities locally. Do not empty into drains or watercourses.

The information provided is prepared to the best of our current knowledge and makes no claim to be complete. The User is responsible for establishing that the product and recommendations herein are fit for the designated purpose, wood type and present situation before use. A professional and thereby successful application of the product is beyond our control. Always make a preliminary test. The User is required to read and understand all information contained on package labels and safety data sheets before using this product.

MANUFACTURED IN THE UK BY

TEL 01934 740305 **EMAIL** info@polyvine.co.uk
For technical and recycling info visit our website **polyvine.com**
EU VOC limit 130g/L 2010 (cat A/e) contains 73g/L

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