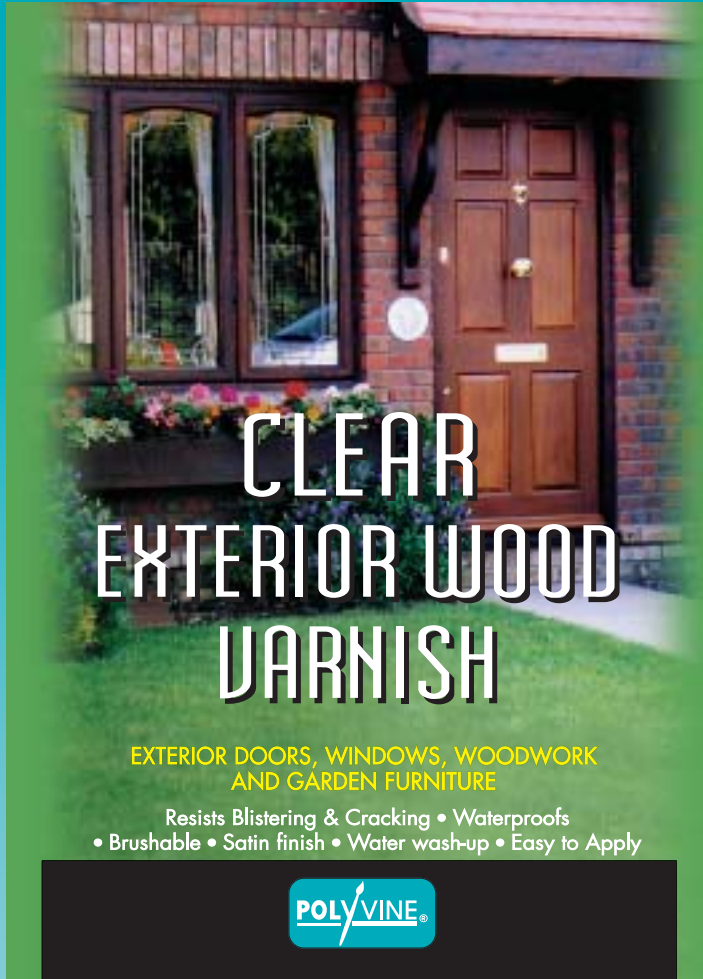




# CLEAR EXTERIOR WOOD VARNISH



CLEAR EXTERIOR VARNISH WITH UNIQUE UV PROTECTION. PROTECTS THE WOOD AND ALLOWS THE NATURAL GRAIN AND TEXTURE TO SHOW THROUGH.

### UNIQUE BENEFITS:

- Highlights the Natural Beauty of the Wood
- Unique Resistance to UV Attack
- Weather Protection
- Resists Blistering and Cracking
- Mould and Fungus Protection

### PROPERTIES:

- Clear,
- Durable,
- Fast Drying,
- Water Resistant,
- Water Wash Up,
- Fast and Easy to Apply

Resistances to:	Polyvine Clear Exterior Wood Varnish	Brand Leader Pigmented Acrylic Varnish	Marine Varnish Spirit Based
Ultra Violet	5	3	1
Water	5	5	5
Algae	5	4	4
Aspergillus Niger	5	4	4
Accelerated weathering	5	2	1
Non yellowing	5	5	0
Flexibility	5	4	1
Clean up	5	5	0
Time to full cure (50% rh. 20°C / 60°F)	12 hrs	24 hrs	2 days

0 = poor. 5 = good.

### IDEAL FOR USE ON THESE SURFACES:

DOORS, WINDOWS, CLADDING, GARDEN FURNITURE,  
ALL SMOOTH PLANED TIMBER



<b>Product Description</b>	Clear Exterior Wood Varnish Unique Clear exterior wood varnish, developed to give protection against UV and weathering, whilst allowing the beauty of the timber to show through.
<b>Sheen Level</b>	Satin
<b>Containers</b>	1L, 4L, US Quart, US Gal.
<b>Surface Preparation</b>	Treat new wood with a wood preservative to remove all traces of fungus and mould. Fill all joints, cracks and holes with a good quality filler before application. Test adhesion of varnish to prepared surface. <b>New Wood</b> Degrease oily or resinous wood and knots. Sand the surface in the direction of the grain. <b>Stained/Weathered Wood</b> Sand to new wood finish. Clean thoroughly after sanding. <b>Old Painted or Varnished Wood</b> Strip completely and treat as new wood. Clean thoroughly after stripping. <b>Colouring Wood</b> The colour of the wood will fade gradually especially in exposed positions. It is recommended that the bare wood is coloured with Polyvine Woodcolour to maintain its bright new appearance before applying Exterior Wood Varnish.
<b>Application</b>	Ensure Clear Exterior Wood Varnish is well mixed. Ensure wood is dry, clean and free from contamination. Use a good quality brush. Apply 4 coats, sand the first coat lightly if the surface feels rough.
<b>Uses</b> smooth planed timber	Ideal for use on these surfaces : Doors, Windows, Cladding, Garden furniture and all
<b>Coverage</b>	Approx. 15/20 sq. m per litre, 160/215 sq. ft per US qt
<b>No of Coats</b>	4 coats
<b>Drying Time</b>	15mins-1 hr, depending on temperature
<b>Recoat Time</b>	4hrs
<b>Curing</b>	12 hrs
<b>Cleaning</b> dry naturally.	Clean tools/equipment with warm soapy water, rinse well with clean water, allow to
<b>Flammability</b>	No fire hazard before or during use, or in the cured state.
<b>Storage</b>	Protect from extremes of temperature during storage and application. Do not apply below 8C/47F.
<b>Thinning</b>	No thinning required
<b>Maintainance</b>	When the coating weathers, sand lightly and reapply Clear Exterior Wood Varnish. Knots will bleed resin through the coating, this is normal and can be removed with mineral spirit.
<b>Health Safety and the Environment</b>	Non-hazardous. Ensure good ventilation. Keep out of reach of children. Contact with eyes-wash immediately with warm water. Remove excess from tools and mixing vessels before washing in warm soapy water. Do not empty containers into drains or water courses.
<b>Caution</b>	Care must be taken when applying in high temperatures or direct sunlight as this will affect drying time. Do not apply when rain is imminent, Coating life will be reduced on horizontal surfaces and where the coating is in frequent contact to the ground or pooled water. Some species of wood can stain water based coatings. Always test on a trial area before application.
<b>Technical Application Details</b>	Refer to the Exterior Wood Varnish application guide for complete application data.

*The information supplied herein is accurate to the best of our knowledge. Since conditions and methods are beyond our control, no warranty is expressed or implied. You are advised to access the suitability of the product on a test area before application*



## TECHNICAL DATA SHEET APPLICATION GUIDE

### PRODUCT: EXTERIOR WOOD CLEARCOAT

#### **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.

Fungus, pollen or spores not removed and trapped below the clear varnish will discolour the surface of the timber when exposed to moisture. All timber should be treated 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**

Water penetration into the timber will produce water staining and promote fungal growth.

This will produce unsightly marking beneath the clear varnish

Fill all joints, cracks, and nail holes with a good quality polyurethane or acrylic filler prior to coating. Take special care to ensure the sealing of glazing beads and gaps around frames, with mastic or silicone to the sealant manufacturers instructions.

Avoid creating areas where water can pool, this will encourage a breakdown of any sealant barrier. Expansion and contraction of the wood or incorrect preparation may allow water to enter the wood. The water will travel along the wood discolouring the wood and lifting the varnish. Damaged areas should be sanded back to new wood and recoated.

#### **Coating**

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

Allow 4 hrs between coats

Best application temperature 10C/50F to 30C/90F. Do not apply in direct sunlight or when rain is imminent.

Saturate all end grains.

Exterior Wood Clear Coat contains a sophisticated UV filter system; this system will protect to the maximum when the dry film thickness reaches 100 microns. 3 generous coats / 4 standard coats.

Windows, doors and exterior furniture, contain a lot of joints and end grain, to ensure maximum life and to avoid water ingress and subsequent 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**

Intense exposure to sunlight will cause gradual fading of the timber colour. A pretreatment of Polyvine Wood Colour 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. Special care to be taken to ensure that all sealant is intact and does not allow water to enter the timber.

Clean surface thoroughly and wash off all cleaning solution.

A maintenance coat should be applied every 2 / 3 years on exposed areas, 3 / 4 years on less exposed or sheltered areas.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	-	Milky liquid
Odour	-	Mild
PH	-	8.0
Boiling point	-	Approx. 100C (as water)
Flammability and Autoignition temp		N/A
Vapour pressure	-	23 mbar as water
Water solubility	-	Fully miscible
Relative density	-	Approx. 1.03 at 20 C (ISO 8962)

## 10. STABILITY AND REACTIVITY

This product is stable under normal conditions of use.

## 11. TOXICOLOGICAL INFORMATION

**INHALATION** - May be irritating to respiratory system

**INGESTION** - May be harmful if swallowed

**SKIN CONTACT**- may cause skin irritation

**LONG TERM EXPOSURE** - No information available

## 12. ECOLOGICAL INFORMATION

Do not empty into waters and drains.

## 13. DISPOSAL INFORMATION

Product recommendation: Do not allow into drains or watercourses.

Empty containers are to be disposed according to official rules.

Contaminated packaging recommendation: Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to approved recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

## 14. TRANSPORT INFORMATION

This product is not classified hazardous for transportation.

## 15. REGULATORY INFORMATION

EEC Hazard Classification - None

The product contains only substances, which are on the European Inventory of Existing Chemical Substances (EINECS).

## 16. OTHER INFORMATION

The information provided in this Safety Data Sheet is based on data provided by sources considered to be reliable. This data is intended to enable safety assessment to be made and should not be construed as guaranteeing specific properties. Users are recommended to consult technical information sheets for advice on specific applications.

Further information may be obtained from:

**POLYVINE LIMITED**

Severn Distribution Park  
Sharpness, Berkeley,  
Gloucestershire.  
GL13 9UQ  
United Kingdom

Telephone No.	0845 017 1671
International	+44 845 017 1671
Fax:	0845 017 1670
Email	info@polyvine.co.uk

Date of issue: October 2005



## **Polyvine Exterior Wood Varnish Clear**

Polyvine Exterior Wood Varnish Clear is an acrylic wood Varnish formulated with an advanced UV filter system, which protects the wood from UV and water. The Varnish remains clear, does not change the appearance of the timber, and does not yellow with age.

Clear exterior varnish allows the natural appearance of the wood to show through, this clarity however also allows any deterioration of the wood (fungus and mould) to be seen, the colour of the wood although protected by the UV filters will fade over time. Please refer to separate application leaflet.

Polyvine acrylic varnishes have been used over a number of years in swimming pool environments. We have not been informed of any failures in this environment, however we have been unable to conduct any laboratory tests and therefore our information is from customers only.

The life expectancy of these coatings is difficult to provide accurately, these figures are a rough guide, obtained from customer reports and assumes that the timber is regularly maintained.

When applied to Polyvine's application specification.  
Vertical Surfaces sheltered and protected 5-10 years.  
Horizontal Surfaces sheltered and protected 4-7 years.  
Vertical Surfaces normal weathering 5-7 years.  
Horizontal Surfaces normal weathering 3-5 years.  
Vertical Surfaces fully exposed 3-5 years.  
Horizontal Surfaces fully exposed 2-4 years.

Polyvine Ltd  
Severn Distribution Park  
Burma Road  
Sharpness  
Berkeley  
Glos.  
GL13 9UQ  
Tel. 0845 017 1671  
Fax 0845 017 1670  
Email [info@polyvine.co.uk](mailto:info@polyvine.co.uk)  
[www.polyvine.co.uk](http://www.polyvine.co.uk)