
Description

A clear or tinted open-pored, silky matt varnish based on natural resins, plant oils, natural solvents, earth and mineral pigments. BioPaints Wood Varnish Oil-based is water resistant and allows the timber to breathe. The product is approved for use on toys according to European regulations.

Uses

As a finish and/or colourant for interior timber surfaces, including:

- Wood panelling, cladding, doors, windows, furniture, toys, blonding timbers
- Floors – as a stain only (topcoat with BioPaints Floor Varnish or Hard Varnish)

Coverage

- 10-14m² per litre depending on the absorbency of the timber. Subsequent coats 20-30m² per litre.

Container Sizes

- 500mls, 1 Litre, 2 Litre, 4 Litre, 10 Litre.

Ingredients

Castor oil, safflower oil, tung oil, linseed oil, colophony resin ester, ethanol, aliphatic hydrocarbons, silicic acid, aluminium silicate, clay, zinc oxide, succinic acid ester, anti-oxidants and cobalt, zirconium and zinc octoate driers.

Preparing the Surface

1. Prepare the surface in accordance with standard practice.
2. For reapplication of BioPaints Wood Varnish Oil-based see 'Maintenance'.
3. Previous coats must be removed.
4. The surface must be well sanded: floors with 120-180 grit; furniture with 180-240 grit.
5. Ensure the surface is clean, free from grease and dry with a maximum moisture content of 12%.
6. Wipe timbers containing high amounts of resins or terpenes with BioPaints Thinner, using a lint free cloth - especially on rimu, matai, oak, some tropical timbers, etc. Allow to dry.
7. If glue is used in a laid timber floor, ensure it is fully hardened before applying product.
8. **Always test for suitability on your substrate.**

Note: Tinted products are non-refundable.

Applying the Product

1. The floor/surface temperature must be at least 12°C. Heat area over night if necessary.
2. Stir thoroughly before using.
3. Ventilate well when working with the product and while it is drying.
4. Apply thin coats of BioPaints Wood Varnish Oil-based with a brush, roller (suitable for oil-based products) or spray gun. Take care to spread it evenly.
5. Allow to dry and recoat as necessary.
6. A number of different finishes are achievable with BioPaints Wood Varnish Oil-based - see table.
7. Never pour the product onto the surface as this will result in patchiness and staining that sanding will not remove.
8. Spraying details: air pressure 2-2.5 bar with a nozzle of 1-1.5mm. Airless spraying requires 2 bar with a 0.23-0.28mm nozzle. Can be thinned with 10-15% BioPaints Thinner. Check spray equipment instructions.

Desired Finish	Coat Consistency	Application Method	Coats Required
Blonded wood	Thin with BioPaints Thinner. Suggested thinning 5-20%	Apply a thin, even coat and, if necessary, wipe after 10-30 minutes to achieve the desired look and even finish.	Normally 1 coat BioPaints Wood Varnish, or as required to achieve the desired look. Top coat with 1–2 coats BioPaints Hard Varnish if required to ensure a more washable finish.
Staining	Optional thinning with BioPaints Thinner	Apply a thin, even coat and, if necessary, wipe after 10-30 minutes to achieve the desired look and even finish.	Normally 1 coat BioPaints Wood Varnish, or as required to achieve the desired look. Top coat with 1–2 coats BioPaints Hard Varnish if required to ensure a more washable finish.
Opaque coating	Optional thinning with BioPaints Thinner	Apply a thin, even coat and leave to dry.	As required to achieve the desired look. Top coat with 1–2 coats BioPaints Hard Varnish if required to ensure a more washable finish.

Note: When using as a stain for interior finishes such as floors or benchtops, or if a highly washable finish is required, the timber must be top coated with BioPaints Hard Varnish.

Drying

- Touch dry in 6-12 hours at 20°C/50-55% relative humidity.
- Allow 12-24 hours between coats.
- Completely dry after 7-10 days.

Note: The drying time of oil-based products is prolonged by:

High humidity and/or low temperatures during application and drying time; absorption of natural terpenes, oils, waxes or resins from the substrate, poor ventilation and thick coats.

Cleaning

- Clean implements immediately after use with BioPaints Thinner.

Maintenance

- Clean only after fully hardened. Use a gentle non-abrasive pH neutral cleaner. We recommend BioPaints Household Cleaner.

Safety Precautions

Natural ingredients can still be harmful to users and the environment if misused, or if accidents occur, so please carefully observe the following:

- Keep out of reach of children.
- Use with adequate ventilation; do not breathe fumes or vapour.
- Avoid skin contact.
- **Keep rags soaked in BioPaints Wood Varnish Oil-Based in water or allow them to dry out completely on a non-combustible surface - danger of spontaneous combustion. The product itself is not self-combustible, however, it is flammable.**

Storage

- Seal well and store in a cool and dry place.
- Remove any skin that has formed in open containers and sieve if necessary before use.

Disposal

- Do not dispose of in drains and wastepipes.
- Let waste dry out and recycle empty containers where possible. Dispose of according to council regulations.

Disclaimer

The above information is given as a general guide only. Site conditions will vary and it is always advisable to apply a test sample. Failure to follow the above instructions will void any implied warranties attached to the product. This supersedes any previous data sheets.