

Hybrid

Timber finish for internal and protected exterior applications.



Overview

A water borne, penetrating timber finish that helps to protect and enhance the beauty of timber in internal and protected exterior applications.

Hybrid uses the latest in water borne oil technology combining refined plant oils and resins to achieve a high-grade natural finish for architectural timbers.

Uses

Interior ceilings and walls, cabinetry, doors, protected exterior soffits.

Colours

Colours are indicative only and may fade or change with exposure to the sunlight.

Pigmented colours should be considered for soffits to maintain colour. Clear may fade and eventually weather to grey over time.

The final colour will vary depending on the application method, surface finishing, timber type and colour including natural variation in grain and density. Always sample prior to full application.

Standard colour range:

Applied onto Thermally Modified Pine



Nero

Graphite

Walnut

Teak

Clear

Natural

Straw

Patina

White

Applied onto Douglas Fir



Nero

Graphite

Walnut

Teak

Clear

Natural

Straw

Patina

White

Hybrid

Colours

Applied onto Radiata Pine



Product specifications

Ingredients:	Water, refined plant oil, medium oil alkyd, zinc & lead free driers, low VOC co-solvent, mouldicide, earth oxide pigment. LBC Red List Free.
VOC content:	<90 g/L (varies according to colour).
Gloss level:	Matt.
Shelf life:	Approx 2 years (in unopened bottle).
Coverage:	First coat/Second coat (indicative only): <ul style="list-style-type: none">– Hardwood timber - 10-12 sq metres/litre, 12-14 sq metres/litre.– Softwood timber - 8-10 sq metres/litre, 10-12 sq metres/litre.– Sawn face timber/plywood - 4-6 sq metres/litre, 8-10 sq metres/litre. Coverage rates will vary depending on timber species, surface finishing, moisture content and density.

Product handling

- Store with lid tightly closed in a cool place with ambient temperature min 5° Celsius - max 40° Celsius.
- Avoid breathing mist, vapours, or spray. Do not eat, drink or smoke when using this product.
- Store in original or correctly labelled container, tightly closed, in a well-ventilated area indoors, away from foodstuffs, at an ambient temperature and avoid freezing conditions.
- Wear protective gloves and clothing. Contaminated clothing should not be allowed out of the workplace.
- Keep out of drains and waterways.
- Combustible liquid, keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Use in a well-ventilated area. If swallowed see first aid section below, seek medical advice.
- Keep out of reach of children.

Flash point

>63° Celsius. (Non-DG for transport).

Full SDS available on request.

Preparation

1. Suitable for interior and protected exterior applications eg: soffits only. Not suitable for exposed exterior use such as decking, cladding. Not suitable for interior flooring.
2. Smooth dressed timber must be thoroughly sanded with 120-180 grit sandpaper to remove mill glaze prior to application of coating. Sanding must be made evenly and across the full surface of the timber. Uneven or spot sanding will result in uneven penetration of the coating.
3. Avoid coating over glue. If glue is wiped across surface of the timber, it will show underneath the coating.

Hybrid

Preparation

4. Filling of timber should be avoided. Secret fix where possible or allow for exposed fixing head. Always test compatibility of fillers with the coating prior to full application.
5. Store timber under cover and protected from rain, dust, or contaminants in the area it is being installed to allow acclimatisation.
6. Ensure moisture content of timber is maximum 14% and timber will remain dry.
7. Ensure timber is clean and free of sawdust, nails or metal filings. Previous coatings must be stripped back to raw timber.
8. Extreme care must be taken not to contaminate or damage the timber surface when handling. Use of cotton gloves during handling and installation is recommended.
9. Optimal temperature for coating is 15° – 25° Celsius, <50% relative humidity. Colder temperatures will slow down drying.
10. Do not apply in direct sunlight and take care under warm/hot conditions. Ensure it will not rain (in exterior applications) and dry atmospheric conditions for at least 24 hours after application.
11. For greater protection and cleanability in hard wearing interior situations Hybrid can be over-coated with an oil based polyurethane. For wet areas such as bathrooms over-coating with an oil based polyurethane is recommended. Always make a small test prior to full application.
12. May be overcoated with most paints. If over-painting apply alkyd primer prior to acrylic top coats. Always make a small test prior to full application.
13. Different application techniques can result in different appearance. Always make a small trial first and/or create sample for client approval prior to full application.

Application

Hand application:

1. Shake/stir well prior to and during use ensuring all pigment is agitated. Do not thin product.
2. Apply two thin even coats with a brush, airless spray or fine bristled speed brush minimum of 1 hour apart. Speed brush is the preferred application method. In colder temperatures longer dry times may be required prior to second coat.
3. For interior applications, if desired depth of colour is achieved with one coat, then a second coat may not be required. For exterior soffits two coats must be applied.
4. Make sure boards are coated in one pass along the board length to avoid lap marks.
5. Lay back surface evenly with a dry lint free cloth or buffing pad as required to remove excess oil prior to drying. The coating should sit into the surface of the timber, not on top. Coating should have a matt finish, if glossy patches are present this is an indication of over-application.
6. Final dry time around 24 hours though will vary according to weather conditions. In colder conditions dry times will be slower.
7. Do not apply coating in temperatures less than 5° Celsius. NOTE: Hardwoods or tight grain timbers will absorb less product so may require lower application rate/additional wiping back. This is a penetrating stain, unevenness in the timber grain, surface preparation and/or application will result in differential appearance.
8. Clear oil based polyurethane topcoats may optionally be applied to further protect the timber in high abrasion applications such as balustrades, hand rails, doors or cabinetry. This should be considered especially in wet interior environments such as bathrooms where oil based polyurethane must be used. Coating compatibility must be checked with a small test area prior to full application.

Machine spray application:

This information is for guidance only- adjustment to suit your particular equipment may be necessary.

1. Shake/stir well prior to and during use. Do not thin product.
2. Ensure timber is clean and free from sawdust or metal filings. Thoroughly sand smooth dressed timber prior to coating.
3. Use airless spray equipment - suggest tip size 0.18-0.21 inch.
4. For automatic infeed, use line speed of approximately 30-50 LM/minute. Adjust line speed to achieve required coating coverage rate depending on timber type.

Hybrid

Application	<ol style="list-style-type: none">5. Ensure coating is applied sparingly so it sits into the timber after drying (not on top). If required adjust machine settings to reduce volume of coating going onto timber.6. Addition of a coarse bristle brush on the outfeed is recommended to dissipate surface tension and give smoother pigment build, especially on smooth dressed timber.7. Rack dry for at least 1-2 hours between coats. In colder temperatures longer dry time may be required prior to second coat.8. A final buffing with lint free cloth or buffing pad may be required to even out the finish especially for lighter colour tones.9. Allow 24 hours drying time before placing timber into block stack with slip sheets between rows.10. Dry times will vary depending on climatic conditions.11. Force drying may be possible- please enquire with Abodo.
--------------------	---

Completion and clean up

Cleaning:	Immediately after use, clean equipment with water. Soap may also be used to assist with better cleaning. Soak cloths in warm soapy water, rinse and hang to dry as they may self-ignite if left unattended.
Remove:	Remove drop sheets, coverings and masking to leave surrounding areas clean, tidy and undamaged. Remove unused materials from site and dispose of as appropriate.
Protect:	Protect new work from damage, over coating and other site work contamination.

Maintenance

Clean timber with a soft wet cloth.
For protected exterior applications, carry out a maintenance check every two summers, clean timber and re-apply coating as necessary to maintain colour.

First Aid

IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Call a Poison Centre, doctor or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical advice or attention. IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation or rash occurs get medical advice or attention. Wash contaminated clothing before reuse. IF INHALED: Remove to fresh air. If breathing is difficult get medical attention immediately. If exposed or concerned, seek medical advice. When seeking medical advice take this container with you.

Disposal

Do not crumple soaked rags (otherwise spontaneous combustion may occur). Do not pour down the drain. Dispose of at an appropriate waste disposal facility in accordance with local authority bylaws. Do not pour oil residue into the sewer. Let the remnants dry out and dispose of with your domestic rubbish collection.
Keep Out of Reach of Children.

Packaging

500ml sample bottles.
4L – 4 units per carton/40 cartons per pallet/160 units per pallet = approx 0.65 Metric Tonne.
10L – 24 units per row/48 units per pallet = approx 0.50 Metric Tonne.
200L – steel drums.

Palletizing

Heat Treatment:
All pallets should be heat treated according to ISPM15-certificate.
Made in New Zealand.

P +64 9 249 0100
E info@abodo.co.nz
W abodo.co.nz