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# H<sub>2</sub>OIL BAMBOO

Bamboo Coat water borne exterior self-priming pigmented topcoat designed for use on bamboo surfaces with enhanced transparent appearance. **H<sub>2</sub>Oil Bamboo** exhibits excellent adhesion and flexibility properties, medium to high gloss and superior exterior durability compared to traditional bamboo oils.

- **Product:** H<sub>2</sub>Oil Bamboo
- **Product Code:** 850BC-XXXX H<sub>2</sub>Oil Bamboo (Four Suffix Denoting Colour)
- **Standard Colours:** Natural (brown), Trans Black
- **Gloss Level** Gloss
- **Abrasion resistance** Excellent
- **Water resistance** Excellent for splash, not recommended for immersion
- **Adhesion** Excellent
- **Transparency** Excellent
- **Thinning/clean up:** May be reduced up to 5% with water if necessary, use soap and water for clean-up.
- **Drying Time** 5-10 minutes touch dry at ambient temperature of 25° C with good ventilation. (Note drying times will be slower in cold damp conditions or if applied in high humidity)
- **Recoat Time** 1-2 hours at ambient conditions 25°C.
- **Exterior Exposure** 2-4yrs
- **Coverage** up to 20 m<sup>2</sup>/lt
- **Container Size** 4lt, 10lt,
- **Shelf Life** 12 months in original unopened package
- **Flash Point** Non-Flammable

## AREAS OF USE

- To seal exterior Bamboo surfaces horizontal and vertical. Not for interior floors
- To seal screen fences, gates, furniture, cladding, doors

## APPLICATION DATA

Drying times @ 25°C, RH 50%. Cooler temperature, higher film thickness or high humidity conditions will require longer drying The surface to be painted must be at least 3°C above the dew point. Do not apply if humidity is greater than 85% or temperature is below 5°C	
Touch Dry	10 - 15 Minutes depending on method of application. (Note dry time will improve if applied on warm surfaces and be extended if applied in cold damp climate or in humidity >70% with poor airflow)
Dry to Handle/Stackable	As Above - if faster dry time is required this can be arranged as a special order.
Recoat	1 Hour or longer. Refer above depending on climatic conditions.
Full Cure	2/3 Hours
Clean-up	Water
DFT (μ) per coat	5 - 10 μ
Coverage (m <sup>2</sup> / litre)	20 + at a Dry Film Thickness (DFT) of 5 - 10 microns (μ). Depending on porosity and age of Bamboo.
No. of Coats	(2 to 3) Two with application by pressure sprayer or fence brush and (3) Three if applied by cloth.
Recoat	1 - 2 years or as required depending on sunlight exposure and weather conditions.
Application Equipment	Hand cloth & Paint / Fence brush. – Airless spray or Pressure pump spray (remove excess immediately by brush, or rag)

## SURFACE PREPARATION / APPLICATION

*The performance of the coating depends on the quality of the surface preparation.*

### Coating new Bamboo Surfaces

- All grease, oil, grime, sap, and other contaminants must be removed from bare bamboo structures using **Bamboo Clean** preparation solution at a ratio of 10:1 with water, using a soft bristle broom or brush. Leave on for 5 minutes and hose off with fresh cold water.

## PREVIOUSLY SOLVENT AND WATER BASED OIL COATED BAMBOO

- All solvent based and water based natural oils should be removed applying **Bamboo Clean** at a ratio of 6:1 with water using a stiff bristle broom to scrub the surface and leave on for 5 to 10 minutes. Remove with clean water.
- It is advised that painted surfaces be sanded back to a raw Bamboo before application of **H<sub>2</sub>Oil Bamboo**, or alternatively apply water based **Strip Ease** assisted by scouring to remove stains, acrylic, polyurethanes etc. followed by washing with **Bamboo Clean** to neutralize the surface (this is very important). Do not apply **H<sub>2</sub>Oil Bamboo** on wet Bamboo as this may cause film defects such as loss of adhesion and uneven pigmentation.
- Apply **H<sub>2</sub>Oil Bamboo** by brush, pressure spray, hand cloth or paint brush for optimum protection and adhesion. (2 coats is adequate to enhance and protect the Bamboo)
- H<sub>2</sub>Oil Bamboo is ready for use, can be thinned up to 5% with cold water by volume if necessary.

## Preparation of OXIDIZED (SUN BLEACHED) BAMBOO

- All Bamboo surfaces that have been affected by the sun and have started to oxidize or bleach must be thoroughly cleaned prior to sealing with **Bamboo Cleaner**.
- Mix the solution at a rate of 4:1 with water and scrub with a stiff broom. Leave on the surface for up to 10 minutes. Ensure that the solution stays wet on the surface, and if it dries apply more solution.
- Carefully remove the solution using a pressure cleaner if available (do not use a turbo head) to assist with the removal of the oxidization. If cleaning screening be careful not to damage the string binding.
- If the oxidization has not sufficiently been removed repeat the cleaning process.
- Allow the surface to dry before applying the **H<sub>2</sub>OIL Bamboo**.

## APPLICATION

**1<sup>st</sup> Coat:** Apply **H<sub>2</sub>Oil Bamboo** using an industrial / fence coating brush, paint brush, Pressure Spray, or Rag, into the Bamboo. Wipe off all excess material with the brush or rag and allow 1 – 2 Hours for curing depending on the weather conditions.

**2<sup>nd</sup> Coat:** Subsequent coats may be applied as outlined above ensuring **H<sub>2</sub>Oil Bamboo** is evenly applied to the surface. Usually 2 coats are adequate for Bamboo screening and up to 3 coats for outdoor Bamboo furniture.

**Note:** Transparent Colour will deepen with the number of coats applied. Do not apply Clear Sealer to open exposed areas.

## Maintenance

It is recommended that an annual inspection of the coated bamboo is carried out to determine if another coat is required. Any sign of mould/microbial attack or deterioration of coating should be attended to immediately. Wash the surface with **Bamboo Clean**, following the instructions on the label, and allow the surface to dry, and if needed, lightly sand the surface with 320 grit paper prior to re-application of a fresh coat of **H<sub>2</sub>Oil Bamboo**.

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