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BAMBOO SEALER

Water borne exterior pigmented sealer and topcoat designed for use on bamboo surfaces with enhanced transparent appearance. **Bamboo Sealer** exhibits excellent adhesion and flexibility properties, medium to high gloss and superior exterior durability compared to traditional bamboo oils.

- **Product:** Bamboo Sealer
- **Product Code:** 850BC-XXXX H₂Oil 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 m²/lt
- **Container Size** 4lt, 10lt,
- **Shelf Life** 12 months in original unopened package
- **Flash Point** Non-Flammable

AREAS OF USE

Ideal for all Bamboo surfaces especially 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)
Recoat	1 Hour or longer. Refer above depending on climatic conditions.
Ready For Use	No Thinning required
Full Cure	2-3 Hours
Clean-up	Water
DFT (µ) per coat	5 - 10 µ
Coverage (m ² / 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 Aqualis **Bamboo Cleaner** solution at a ratio of 10:1 with water, using a stiff 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 10:1 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 **Bamboo Sealer**, or alternatively apply Aqualis **Strip Ease** assisted by scouring to remove stains, acrylic, polyurethanes etc. followed by washing with Aqualis **Bamboo Cleaner**. Do not apply **Bamboo Sealer** on wet Bamboo as this may cause film defects such as loss of adhesion and uneven pigmentation.
- Apply **Bamboo Sealer** by brush, pressure spray, hand cloth or paint brush for optimum protection and adhesion. (2 coats is adequate to enhance and protect the Bamboo)

Weathered Bamboo/Mould infested.

The exterior durability of untreated Bamboo is quite poor because unlike timber, it does not contain toxic deposits which help slow down biodegradation. Large amounts of starch present in bamboo makes it highly susceptible to mould, fungi, and insect attack. Weathering of Bamboo through repeated humidifying and drying of exposed bamboo can lead to the formation of tiny cracks in the surface. UV degradation of the cellulose structure combined with the sand blasting effect of wind and sand means untreated bamboo may last 2 years exposed, and 4-7 years under ideal conditions (without exposure to sun and rain).

All Bamboo surfaces that have been affected by heavy weathering and microbial attack must be thoroughly cleaned prior to sealing as follows: -

Bamboo Cleaning Procedure

- Apply Aqualis **Timber Clean** at the recommended concentration (refer to label) with a mop or spray and scrub with a stiff broom or mechanical scrubber. Leave for 2-3 min allowing **Timber Clean** solution to penetrate the surface.
 - Ensure the bamboo is always wet during this process; do not allow Timber Clean solution to dry on bamboo surface.
 - Thoroughly rinse off **Timber Clean** with fresh water removing all extracted residues from bamboo surface, ensure no residues are left on any timber, concrete, walls, windows etc.
 - Whilst bamboo is still wet, wash the surface with Aqualis **Timber Prep** neutralizing solution at the recommended rates. Scrub surface with a stiff broom or mechanical scrubber and leave for 2-3 min.
 - Rinse off with fresh water ensuring that there is no greasy film left on the surface and allow to dry completely.
 - If mould was present before the cleaning process treat with Aqualis **No Fungal Pro** (refer to label instructions).
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- Allow surface to completely dry out. Ensure treated wet areas are secured from household pets.
- Once surface has dried, application of **Bamboo Sealer** topcoats can proceed.

APPLICATION

1st Coat: Apply **Bamboo Sealer** 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.

2nd Coat: Subsequent coats may be applied as outlined above ensuring **Bamboo Sealer** 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 through weathering should be attended to immediately. Wash the surface with Aqualis Deck Bright, following the instructions on the label, and allow the surface to dry, if needed, re-apply No Fungal Pro (follow label instructions) prior re-application of a fresh coat of **Bamboo Sealer**.

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