Biowood
Sustainably Reconstituted Timber

Intergrain

HANDLING, CLEANING AND MAINTENANCE

Care and maintenance with Biowood facades & soffits

Biowood reconstituted wood composite architectural products are a sustainable timber alternative with added benefits such as durability and strength. Best of all, our product is low maintenance and environmentally friendly meaning that you spend less time worrying about it and more time enjoying the benefits of your door

Your door has been factory finished with a water based semitransparent stain in a matt sheen. This product has been formulated specially to give optimum performance on Biowood reconstituted wood composite. This high-performance finish offers long-term protection against Australia's harsh natural conditions and resists stain absorption and dirt settle, helping the surface stay clean and looking great. The finish is available in several pigmented natural timber colours formulated exclusively to compliment the different Biowood timber tones.

Maintenance of your Biowood Decking, Cladding and Ceiling

- Conduct a routine 12 monthly maintenance inspection to ensure any mechanical damage is repaired timeously.
- Best protection and ease of maintenance is ensured if the coating is recoated before deterioration of the coating and timber underneath occurs.
- First indication of the need for recoating will be observed as chalkiness or discolouration of the surface.
- To apply a maintenance coat to a surface which is in good condition, simply clean the surface with Intergrain UltraPrep™ Timber Cleaner and apply one coat of Intergrain- Enviropro Endure Deck Matt or Deck Stain Range Matt Finished *(Refer to 2nd page with Biowood colours for Intergrain colour uv range)*

Surface Preparation

- Remove surface dirt by sweeping or washing down with water.
- Shake Intergrain® UltraPrep™ Timber Cleaner thoroughly. Mix ONE (1) part product to FOUR (4) parts water in a plastic container.
- Apply Intergrain® UltraPrep™ Timber Cleaner mixture generously to the surface with a stiff bristle brush, broom or scouring pad. Clean complete sections at one time. Spot cleaning should be avoided to prevent patchy results.
- Leave mixture on the timber for 10-15 minutes. If necessary, apply more mixture to keep timber damp throughout this period. For best results Intergrain® UltraPrep™ Timber Cleaner should be applied to cool surfaces, out of direct sunlight, to avoid the cleaner drying on the surface.
- Rinse off thoroughly using maximum pressure from a garden hose or using a high-pressure water cleaner. A high-pressure water cleaner is recommended for large areas.

Allow surface to dry thoroughly

Handling and Storage:

Key points to be followed before and during the installation process:

• Store the material on a flat surface providing for a stable support on the whole surface, in a dry, clean area, protected from frost and direct sun light.

• Before starting the installation, carefully check the material and notify immediately of any manufacturing issues. **Complaints will not be accepted after installation.**

• Before starting the installation, check project's drawings (or shop drawings if provided) and the correspondence of the received material against the packing list.

• Acclimate the material in stock to the temperature of the jobsite for at least 48 hours prior to installation.

• The installation temperature must be higher than 0 °C.

• Do not cover the product with sheets made with non-breathable material (nylon, polyethylene, and similar materials). For this purpose, it is advisable to use breathable material such as painter felt sheets.

• The accumulation of electrostatic charges is a natural phenomenon commonly found in plastic materials, and under exceptional environmental conditions this may also occur in Biowood products.

• Profiles shall be handled with care to prevent damages. It is recommended to lift the profiles on the whole length during displacement and not make them slide on top of each other. Always use clean fabric gloves when handling profiles.

• Prevent the formation of dirt on and between profiles; in particular, make sure that mechanical processes carried out on other materials, near Biowood products, do not determine the accumulation of chips or dust of any kinds. During the installation/assembly phase do not apply any label or sticker; if already applied, please remove immediately after installation. Immediately remove major stains such as paint, concrete or tar residues.

Application

- Stir Intergrain® Enviropro Endure Deck Matt or Deck Stain Range Matt/Satin Finished thoroughly before and during use with a flat blade stirrer. Do not thin. If project requires more than one can of Intergrain® Enviropro Endure Deck Matt or Deck Stain Range Matt Finished, mix all cans together in one large container to achieve colour uniformity.
- Apply Intergrain® Enviropro Endure Deck Matt or Deck Stain Range Matt/Satin Finished using a quality brush, lambswool applicator, or spray (HVLP or airless). Do not apply by roller. If spraying, back-brush immediately after each section is coated to ensure a uniform finish.
- Do not overspread or apply thinly as insufficient film thickness will result in lap marks and compromise performance and durability.
- Coat no more than three boards at a time. Complete an entire length or continue until a natural break occurs.

DRY TIME - COAT IN ANY SEASON
Ideal Conditions Temperature between 15 - 35°C and Humidity <85% Recoat **2 hours**
Cool Conditions Temperature between 5 - 15°C and Humidity <85% Recoat **6 hours**
Do not apply to hot surfaces or in direct sunlight, as doing so will result in difficult application, poor adhesion, and blistering. Full curing 7 days.

Coverage
10 - 12 square metres per litre.

Refer to product label or datasheet for more information.

For Biowood colours, the following colours from Intergrain range: Available only to GRM Australia or Biowood Distributors in each state in Australia & New Zealand.

Enviropro Endure Deck ***Satin*** Finished **(23% Sheen):**

Spotted Gum and Deep Walnut:	Natural

Enviropro Endure Deck ***Stain Satin*** Finished **(23% Sheen):**

Black Japan:	Charcoal
Natural Oak:	Oak
Weather Wood:	Grey
Driftwood:	Light Grey
Merbau:	Merbau
Caoba:	Rich Chocolate

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Intergrain UltraDeck and Intergrain Enviropro Endure Deck - Durability and Maintenance guide for GRM/Biowood composite timbers

The product lifespan of *Intergrain UltraDeck* and *Intergrain Enviropro Endure Deck* is dependent on both the degree of weathering and severity of UV exposure (i.e., location in Australia) *. When applied in strict accordance with a Duspec specification, the maintenance program below can be used as a guide to achieve the longest life from the coating, *refer to section 4 for definitions.

1. Inspection

To prevent premature degradation, the coating system must be inspected regularly and any minor damage touched up at these stated intervals, refer table in section 2:

Coating requirement (# coats)	2
Coating requirement (# coats)	3

To touch up minor damage, clean all affected areas with *Intergrain Reviva* and apply two (2) coats of the original coating, in the original colour, to the affected areas, making sure to feather the edges to blend in to the existing coating.

2. Maintenance Guide

Mild colour fade is the first sign of a need to recoat. When the coating starts looking worn or patchy, a full recoat should be completed, refer to Section 3 for maintenance instructions. The following timeframes are a guide to the expected maintenance requirements, *refer table in section 4 for definitions.

Vertical surfaces*	Light	Average	Severe
Sheltered	3 years	2 years	18 months
Partly Sheltered	2 years	18 months	1 year
Unsheltered	18 months	1 year	1 year

Horizontal surfaces*	Light	Average	Severe
Sheltered	2 years	18 months	15 months
Partly Sheltered	18 months	15 months	1 year
Unsheltered	15 months	1 year	6 months

3. Coating maintenance instructions

Timber showing mild colour fade but coating in good condition.

Clean the surface with Intergrain Reviva and apply one (1) coat of *Intergrain UltraDeck* or *Intergrain Enviropro Endure Deck* in the original colour according to product directions.

Timber coatings in poor condition.

Remove old, severely weathered coatings back to bare timber using *Intergrain PowerPrep*, *Intergrain Liquid 8* Timber Stripper or sanding, then clean with *Intergrain Reviva* according to product directions. Coat as for bare timber.

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4. Definitions

Degree of weathering

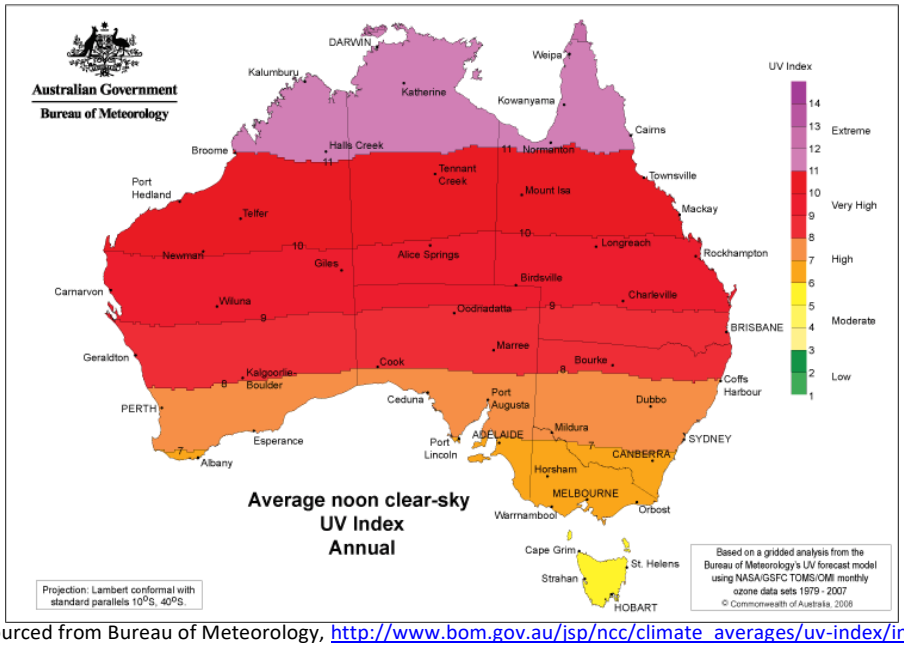
Fully Sheltered	Building offers complete protection from a solid opaque cover such as under a roof overhang, AND Is not exposed to direct sunlight from any direction.
Partly Sheltered	Building offers partial protection from a solid opaque cover, OR Complete or partial protection from a transparent cover through which light is transmitted, such as glass or laserlite.
Unsheltered	Building offers no protection to the coating.

Severity of UV exposure

Severe	All areas with very high and extreme UV indexes	
Average	All areas with High UV Indexes OR Moderate UV Indexes within 2km of the coast	
Light	All Moderate to Low UV indexes 2km + away from the coast	

See Reference diagram: UV Exposure in Australia

REFERENCE: UV Exposure in Australia



Ref: Sourced from Bureau of Meteorology, http://www.bom.gov.au/jsp/ncc/climate_averages/uv-index/index.jsp

What do the maps show?

These maps show the average annual, monthly and seasonal values of the UV Index over Australia for the period 1979-2007 under cloud-free conditions at local noon, when the sun is at its highest. These values are also representative of the values expected between 11 am and 1 pm local time (12 pm and 2 pm daylight saving time) under clear skies.

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