

## FINISHING, MAINTENANCE AND CARE GUIDELINES FOR EXTERIOR PRODUCTS

### PRODUCT LINES:

1. LAMBOO® ELEMENTS™
2. LAMBOO® RAINSCREEN™
3. LAMBOO® STRUCTURE™
4. LAMBOO® ENDURANCE™
5. LAMBOO® VUE™ (EXTERIOR LAMBOO SNAP COVERS ONLY)

**PURPOSE:** The purpose of this document is to provide general finishing, maintenance, and care guidelines for Lamboo products used in exterior applications. Proper maintenance of your Lamboo products is essential and may affect your material warranty.

### REVIEW OF EXTERIOR PRODUCTS:

1. All exterior applications of Lamboo products should be monitored at a minimum **bi-annually**. This is to ensure that the stain/finish system(s) is maintaining its protection of the materials. This monitoring can be performed visually by the customer, installing contractor, or an approved local technical finish specialist.
2. General maintenance for stained and finished products is typically 2 to 3 years.
  - a. In some extreme geographical locations (i.e., coastal locations, locations near the equator, and high UV/moisture exposure), more frequent maintenance may be required to maintain the desired aesthetic.
3. **IMPORTANT:** It is strongly recommended to review all fabrication cuts that were made onsite to ensure all materials are still adequately protected. This includes but is not limited to: End Cuts, Drill Holes, Mitered Cuts, or any other forms of alteration to stained/finished materials. If any areas show breakdown in the stain/finish, these areas must be re-stained and sealed.

### General Cleaning/Maintenance:

Exterior products that have dirt, dust, or other foreign matter on them can use the following methods to clean these materials:

1. Use a light soap/detergent and water mix to remove dirt and other foreign materials from the surface of the materials.
2. Use a non-aggressive sponge or lint-free rag to clean materials.
3. For mold, fungal, or bacterial issues; use cleaning products appropriate to remove these items from the surface of outdoor products; specifically for natural-based products.
4. Power washing exterior materials is **not** recommended.
5. Allow materials to dry completely before starting any refinishing work.

If the topcoat finish begins to show signs of breakdown (i.e., peeling, flaking); the following section should be used to maintain the materials.

### MAINTENANCE STEPS FOR RE-STAINING AND RE-FINISHING EXTERIOR PRODUCTS:

The following steps can be used to stain and finish exterior products when using Lamboo's recommended stain and topcoat systems.

#### Applying Maintenance Topcoat:

The following steps should be used to apply a maintenance topcoat to Lamboo Exterior products where the topcoat has started to show signs of peeling and/or flaking:

1. Use the "General Cleaning/Maintenance" steps above to clean materials prior to refinishing.
2. Materials will need to be lightly sanded using a 180 grit to 220 grit sandpaper. This can be done by hand or using an orbital sander.

- a. **Important:** Do not sand through the topcoat into the stained materials. If this happens, the materials will then need to be sanded down to base materials, re-stained, and re-finished. Reference the section below “Extreme Maintenance” for steps on staining and finishing materials.
3. Once sanded, all surfaces should be cleaned thoroughly.
  - a. Blow off materials with compressed air (if available)
  - b. Wipe down materials using a lightly damp rag of acetone
4. Apply the Lamboo Topcoat Finish to the prepped surfaces.
  - a. The topcoat system can be applied using a couple methods:
    - i. Sprayed using a HVLP or Airless-Air Assist System (Preferred Method)
    - ii. Brushed using a medium bristle paint brush
5. Apply the finish to a wet film thickness (WFT) of 2 mils.
  - a. Be sure not to over-coat materials. This will create “runs” in the finish.
6. Allow 12 to 24 hours for the finish to fully cure before touching or handling materials.
7. If another coat of finish is needed, repeat steps 2 through 5.

#### **Extreme Maintenance:**

The following steps should be used for exterior materials beyond general maintenance. These materials show significant signs where the topcoat system has completely worn off and raw stained material is exposed.

1. Completely sand off all remaining topcoat and stain from materials using an 80-grit sandpaper.
  - a. This should be done with an orbital or belt sander.
2. Final sand materials using a 120-grit sandpaper.
  - a. This should be done with an orbital sander.
3. Once sanded, clean all materials using acetone.
  - a. Be sure to remove all foreign matter from the materials.
4. Apply desired stain to the materials as recommended by Lamboo.
  - a. *Contact one of Lamboo’s technical personnel for specific application instructions.*
8. Allow stain to dry for 2 to 4 hours.
  - a. Ideal drying conditions are:
    - i. 60 to 80 degrees Fahrenheit
    - ii. 45% to 55% Relative Humidity
9. Once stain has dried, begin applying Lamboo Topcoat Finish System
10. Apply 1-coat of Lamboo’s Topcoat Finish System with a wet film thickness of 2 mils.
  - a. The topcoat system can be applied using a couple methods:
    - i. Sprayed using a HVLP or Airless-Air Assist System (Preferred Method)
    - ii. Brushed using a medium bristle paint brush
  - b. Be sure not to over-coat materials as this can cause “runs” in the finish
11. Allow finish to dry for 12 to 18 hours.
12. Scuff sand finished materials using a 220 grit sandpaper
  - a. This can be done by hand or using an orbital sander.
13. Wipe down materials using a lightly damp rag of acetone.
14. Apply final coat of Lamboo’s Topcoat Finish System with a wet film thickness of 2 mils.
  - a. Use the same application process as used for the 1<sup>st</sup> coat of finish
15. Allow finish to dry for 24 hours before touching or handling materials.

#### **IMPORTANT:**

- When staining and/or refinishing materials outside; be sure to have at least 5 to 7 days of dry-time to allow the finish system to dry properly. It is not recommended to finish materials outside if inclement weather is possible.
- If customer uses a 3<sup>rd</sup> party stain/finish system, the customer **must** refer to the 3<sup>rd</sup> party stain/finish manufacturer’s recommendations for re-staining/re-finishing materials.
- Stain and Topcoat materials purchased from Lamboo are not warranted.



- All methods, recommendations, and guidelines provided in this document are for **reference** only. Lamboo does not warrant or guarantee any information as provided within this document.

**CARE AND MAINTENANCE UPDATES:** Lamboo occasionally makes important updates to its care and maintenance procedures. Please refer to Lamboo's website at [www.lamboo.us](http://www.lamboo.us) to ensure you are referencing the most recent version of this document at the time of purchase.

**LIMITED WARRANTY ON PRE-FINISHED MATERIALS:** For details regarding Lamboo's (1) year limited warranty on finishes applied by Lamboo, please refer to the applicable product warranty document on Lamboo's website at [www.lamboo.us/warranties](http://www.lamboo.us/warranties).

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