



# MADAWASKA DOORS

SOLID WOOD CUSTOM DESIGN



## Pre-hung System Finishing & Installation Guide

### Introduction

- Product kept for more than a week before finishing must be properly stored.
- Handle with care (clean, dry hands & tools) and do not drag across floors or any other surfaces.
- Do not remove shrink-wrap or stile protectors until ready to fit, finish, & install the merchandise.
- Store in an area that is:
  - a) Flat, dry, & clean.
  - b) Climate controlled (i.e. 60-75° F & 35-45% humidity).
  - c) Away from direct heat & areas where drywall work is being done.

### Check the System

- Lay the system on a flat surface and observe that doors line up and open properly. Make sure the surface is smooth and free from objects that can damage the frame. **The purpose of this step is so that it is understood that any clearance or functionality issues when the door is in place are due to improper installation.**
- Should the system not be acceptable on the flat surface, call Madawaska Doors.

### Prep the Product for Finishing

- Place all elements (doors, sidelites, transom, frame) on a flat, dry surface, and remove hinges, locksets, sweeps, peep holes, mail slots etc.
- Lightly sand wood in the direction of the grain with a palm sander or a sanding block with 220 grit paper. The flat bed sanders used in the plant cause slight cross-grain scratches that must be removed.
- Undesirable machining marks can be hard to see until finish is applied, so check carefully before finishing.
- Mask all glass.

### Finish All Doors, Frames, Sidelites and Transoms

**Quality is a joint effort. Madawaska Doors must provide product free from manufacturing defects, while the finishing step guards against sun and moisture damage. Moisture is the enemy of kiln dried furniture grade wood, and these steps must be followed for protection.**

- Remove dust with a clean damp sponge or tack cloth and let door dry completely.
- **Use only oil based paint, stain conditioner, stain and clear-coat products. Never use latex or water based materials!**
  - a) Do not use osmotic products designed for marine use as they allow the slow passage of moisture.
  - b) If staining is desired, use Minwax oil based furniture stain with pre-stain conditioner to meet Warranty requirements.
  - c) Do not use products designated for decks, fences and outdoor furniture as they don't suit our high grade wood.
  - d) Tung oil cannot be used as while it is oil based it does not form a protective film.
  - e) Our recommended clear-coat product is Oil Based Deftane Clear Polyurethane Finish which MDI stocks.
- Use oil based exterior materials on exteriors. It is important that a product with ultra-violet protection is used on outside surfaces.
- The critical role of the paint or clear-coat is to keep moisture from the furniture grade kiln dried wood. Three coats of finish must be:
  - a) Absorbed into the wood and not just coat the wood surface.
  - b) Applied to all six sides, including under hinges, inside the openings for locks and handles and under sweeps.
  - c) Finish the back of the frame so it also is covered on all six sides.
- When dry, apply a 1/16<sup>th</sup> bead of clear sealant around the perimeter of glass and wood panels on the exterior side of doors, transoms and sidelites. Apply sealant over any joint seam where moisture might enter, then wipe it off. This will enhance moisture protection. Lexel Clear is recommended and stocked by MDI.
- Designs #1005, #1007, & #2005 require a bead of sealant applied along the top, bottom and face of all grooves on the exterior side of the door.

### Installation

- Place the frame in the opening and shim to plumb in both the front to back and side to side planes.
- Secure the frame on a temporary basis so that further adjustments can be made.
- When the frame has been adjusted so that all doors function properly and are precisely aligned, attach it permanently in place.
- Re-install all hardware.
- If it was necessary to trim or plane for a perfect fit, stain and clear coat as above to restore the seal.
- Each Spring check for areas that may need to be lightly sanded and refinished.

