

# HOW TO STORE, HANDLE, FINISH, INSTALL AND MAINTAIN WOOD DOORS

## STORAGE AND HANDLING

1. Doors shall always be stored flat and in clean, dry surroundings. Cover doors, with tarp or opaque plastic wrapping, to keep clean and protect them from light, and allow air circulation. If stored for long periods, the top and bottom of unfinished doors must be sealed.
2. Doors shall not be exposed to excessive moisture, heat, dryness, or direct sunlight.
3. Doors shall always be handled with clean hands or while wearing clean gloves.
4. Doors shall be lifted and carried, not dragged across one another.
5. Certain species (e.g. cherry, mahogany, walnut, teak) are more susceptible to discoloration if exposed to either sunlight or some forms of artificial light. To protect doors from light damage after delivery, all doors should be covered with tarp or opaque plastic wrapping.
6. Store at least 4" off floor, flat on a level surface in a clean, dry, well-ventilated area protected from sunlight, wide swings in relative humidity, and abnormal heat or cold. Relative humidity should not be less than 25% nor more than 55%.

## FIELD FINISHING

1. Prior to finishing, insure that the building atmosphere is dried to a normal, interior relative humidity. Insure that the doors have been allowed to equalize to a stable moisture content.
2. Wood is hygroscopic, and dimensionally influenced by changes in moisture content caused by changes within its surrounding environment. To assure uniform moisture exposure, and dimensional control, all surfaces must be finished equally.
3. Doors may not be ready for finishing when initially received. Before finishing, remove all handling marks, raised grain, scuffs, burnish and other undesirable blemishes by block sanding all surfaces in a horizontal position with a 120, 150 or 180 grit sandpaper. To avoid cross grain scratches, sand with the grain.
4. Certain species of wood, particularly oak, contain chemicals which react unfavorably with certain finishes causing dark stain spots. Where possible, the species/finish combination should be tested prior to finishing the doors. Notify your finish supplier immediately if any undesirable reaction is noticed. Do not continue with the finishing until the problem is resolved. Lambton Doors can not be held responsible for these reactions.
5. The same consistency of finish must be applied on both sides of the door.
6. All exposed wood surfaces must be sealed, including top and bottom rails, cut-outs and hardware preps.
7. To achieve the desired results of color uniformity, finish build, gloss and reduce the frequency of refinishing, **obtain and follow finish manufacturers' recommendations.**
8. Be sure the door surface being finished is satisfactory in both smoothness and color after each coat. Allow adequate

drying time between coats. **Desired results are best achieved by following the finish manufacturers' recommendations.**

9. To ensure uniform appearance, RED OAK doors must be sealed prior to staining.

## INSTALLATION

1. The utility or structural strength of the doors must not be impaired in fitting to the opening, in applying hardware, in preparing for lites, louvers, or plant-ons or other detailing.
2. Clearances between door edges and door frame shall be a minimum of 1/16 inch on the hinge edge, 1/8 inch on the latch edge and top rail.
3. All hardware locations, preparations for hardware, and methods of hardware attachment must be appropriate for the specific door construction. Templates for specific hardware preparation are available from hardware manufacturers.
4. **Installer must drill pilot holes before installing hinges. Check screw manufacturers' recommendations for size of pilot holes required. Failure to drill pilot holes, voids door warranty.**
5. Install all fire rated doors according to NFPA 80.
6. Apply the sealer, primer, or first coats of the required finish, on doors, immediately after fitting, cutting for hardware, etc., and before the installation of any hardware.
7. The appearance of field glazing is not guaranteed under any circumstances.

**Improper storage, handling, finishing and installation of wood doors may result in severe damage to the doors. The following guidelines will help to maintain the high quality products supplied by LAMBTON DOORS.**

**IF THE ABOVE INSTRUCTIONS ARE NOT FOLLOWED,  
WARRANTY WILL BECOME NULL AND VOID.**

**THE APPEARANCE OF FIELD FINISHED DOORS IS NOT  
GUARANTEED UNDER ANY CIRCUMSTANCES.**

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***Feel free to contact us regarding any information.***

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## A. GENERAL INFORMATION

1. Lambton Doors warrants all doors sold under this warranty (except those doors expressly excluded from this warranty), for the time period as set forth below from the date of shipment, and at the time of shipment, to be of good material and workmanship and to be free of defects which would render said doors unserviceable or unfit for their ordinary recommended use.
2. **This warranty applies to purchasers of the described doors. It may also extend to resale/supply of the product to the end-user/owner at the point of original installation. If required, claims must be processed solely through the initial supplier. Any implied warranties which the purchaser may have are limited to the terms, duration and conditions of this warranty mentioned on E Section below. This warranty is effective from the date of shipment.**
3. Lambton Doors will, at its option, either (1) repair any door without charge or (2) replace any door without charge in whatever stage of fitting or finishing as it was originally supplied by Lambton Doors, or (3) refund the price received by Lambton Doors for any door. **If the door is found not to comply with this warranty, written notice, including digital pictures, of any claim under this guarantee must be given to Lambton Doors promptly when discovered.** In the case of a defect reasonably discoverable, by inspection of each door upon receipt of shipment from the manufacturer, notice must be given within thirty (30) days thereafter and before the door is hung or treated in any matter.
4. **In any of the above cases, Lambton Doors will not accept any "back charge" due to re-hanging or re-finishing.**
5. Lambton Doors shall not be liable for doors repaired or replaced without its prior written consent. Lambton Doors is not obligated to pay for removal and re-hanging if the defect for which the door is being rejected was apparent prior to installation. Action on any claim for warp or telegraphing may be deferred, at the option of the manufacturer, for a period not to exceed twelve (12) months from the date of claim. If a door has been installed prior to such claim being made, the door must remain hung in the original installation, during the period of deferment, to permit conditioning to humidity and temperature.

## B. ALLOWANCES/TOLERANCES

1. Stile, rail and core show-through (telegraphing) on hardwood veneered flush doors shall not be considered as a defect unless the faces of the door vary from a true plane in excess of 1/100 inch in any three-inch span.
2. Warp shall not be considered a defect unless it exceeds 1/4 inch in the plane of the door itself. Warp is any distortion in the door itself, and does not refer to the relation of the door to the frame or jamb in which it is hung. The term "warp" shall include bow, cup and twist. In measuring the amount of warp present in a door, the following method shall be used. Bow, cup and twist shall be measured by placing a straightedge, taut wire or string on suspected concave face of the door at any angle (i.e., horizontally, vertically, diagonally), with the door in its installed position. The measurement of cup and twist shall be made at the point of maximum distance between the bottom straightedge, taut wire and the face of the door.
3. The following warp allowances are for 1-3/4" or thicker doors. For doors wider than 3'6" and less than 7'0" in height, the warp shall not exceed 1/4" in a section 3'6" by height of the door. For doors wider than 3'6" and higher than 7'0", the warp shall not exceed 1/4" in any 3'6" by 7'0" section. For doors up to and including 3'6" wide and over 7'0" in height, the warp shall not exceed 1/4" in any 7'0" length of a door section.
4. Structural composite lumber (SCL) core door with full glass will be honoured by the lifetime warranty with the following conditions:
  - a) Maximum door size is 4'0" x 9'0".
  - b) If machined for a cylindrical lock, a minimum 6" stile must be maintained.
  - c) If machined for a mortise lock, a minimum distance of 1-1/2" from lite cut out to mortise of minimum 6" stile whichever is greater must be maintained.

Refer to our LITE CUT-OUT INFO DETAILS for all other stile, top rail, and bottom rail requirements.

Any other machining may void the previous statements.

5. Job site preparation for surface applied hardware, function holes for mortise locks, hole for labeled viewers, a maximum 3/4" wood and composite door undercutting, and protection plates shall be permitted. Surface applied hardware is applied to the face of a door without removing material from the door other than round holes drilled through the face of the door to receive cylinders, spindles, similar operational elements, and through bolts. The holes shall not exceed a diameter of 1" with the exception of cylinders. This information is according to NFPA 80. Any other on site modification will void fire label.

## C. MATTERS EXCLUDED FROM THIS WARRANTY

1. Unsatisfactory service or appearance caused by failure to follow the "Appendix, how to store, handle, finish, install and maintain wood doors" covered by this warranty.
2. **The appearance of field finished doors is not guaranteed under any circumstances.**
3. **The appearance of field glazing is not guaranteed under any circumstances.**
4. **Natural variations in the colour or texture of the wood are not to be considered as defects.**
5. The warranty against 1/4" max. warp deviation does not apply to the following:
  - a) Doors less than 1-3/4" thick that are wider than 3'0" or higher than 7'0".
  - b) Doors with face veneers of different species.
  - c) Doors that are improperly hung or do not swing freely.
  - d) All exposed wood surfaces must be sealed, including top and bottom rails.
  - e) Doors hung without a hinge or pivot for every 30" of door height.
6. This guarantee does not cover doors with:
  - a) Cut-outs for lites and/or louvers, any edge of which is nearer than indicated in our LITE CUT-OUT INFO DETAILS.
  - b) Cut-outs having:
    - Mineral Core: Less than 5" between adjacent cut-outs for unit locks, closers, and/or other hardware and/or lite to lite cut-outs.
    - Structural Composite Lumber (SCL) and Stave Lumber (SLC) cores: Less than 1-1/2" between adjacent cut-outs for unit locks, closers, and/or other hardware and/or lite to lite cut-outs.
    - Particleboard Core (PC): Less than 1-1/2" between adjacent cut-outs for unit locks, closers, and/or other hardware and/or lite to lite cut-outs. Total cut-out area exceeding 40% of the door face (PC-LD-1 core).
  - c) Field glazing installations that does not comply with Lambton glazing instruction.
7. Doors that are stored longer than six (6) months.
8. Doors altered by others for size by "re-railing", "re-stiling", "re-facing" or "re-fitting".
9. Doors shipped outside of North America.
10. EXTERIOR APPLICATION VOIDS THIS WARRANTY.

**IF ABOVE INSTRUCTIONS ARE NOT ADHERED TO,  
THIS WARRANTY WILL BE VOIDED.**

## D. NON-EXTENDED WARRANTY

There are no warranties that extend beyond the foregoing, and Lambton Doors sole responsibility under this guarantee is as stated herein. Lambton Doors shall not be liable for consequential, indirect or incidental damages, or for any amount in excess of the manufacturer's price for the shipment involved, whether the claim is for breach of warranty or negligence.

## E. DURATION OF WARRANTY

Life of original installation.