



The information included in this guideline is presented to help maintain your high quality wood frames.

STORAGE AND HANDLING

1. Store frames flat on a level surface in a dry, well-ventilated building. Frames should be kept at least 4 in. (102 mm) off the floor and should have protective coverings under the bottom and over the top. Covering should protect frames from dirt, water, and abuse but allow for air circulation under and around the stack.
2. Avoid exposure of interior frames to direct sunlight. Certain species (e.g., cherry, mahogany, walnut, and teak) are more susceptible to discoloration if exposed to sunlight or some forms of artificial light.
3. Do not subject interior frames to extremes of heat and/or humidity. Do not allow frames to come in contact with water. Buildings where humidity and temperature are controlled provide the best storage facilities (recommended conditions 25%-55% RH and 50°F-90°F (10°C to 32°C)).
4. Do not install frames in buildings that have wet plaster or cement. Do not store frames in buildings with excessive moisture content – HVAC systems should be operating and balanced.
5. Frames should always be handled with clean dry hands or while wearing clean dry gloves.
6. Frames should be lifted and carried when being moved, not dragged across one another.

FINISHING

Eggers' recommends factory finishing to insure the most durable surface and uniform appearance. Factory finishing will also slow the response to changes in humidity. The following points provide guidance for frames being field finished.

1. 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.
2. Frames should not be considered ready for finishing when initially received. Before finishing, remove all handling marks, raised grain, scuffs, burnishes and other undesirable blemishes by block sanding all surfaces in a horizontal position with 150 or 180-grit sandpaper. Sanding of the overall surface will be required to open the veneer grain to receive a field applied finish evenly. To avoid cross grain scratches, sand with the grain.
3. Certain species of wood, particularly oak, may contain extractives which react unfavorably with foreign materials in the finishing system. Do not use steel wool on bare wood, rusty containers or any other contaminate in the finishing system.

4. A thinned coat of sanding sealer should be applied prior to staining to promote a uniform appearance and avoid sharp contrasts in color or a blotchy appearance. Eggers will not be responsible for the final appearance of field-finished frames. It is expected that the painting contractor will make adjustments as needed to achieve desired results.
5. The back and ends of the frame components must be sealed prior to installation. All exposed, unfinished wood surfaces should be finished. Cutouts for hardware in exterior frames and frames located adjacent to areas where high moisture is expected should be sealed prior to installation of hardware.
6. Dark colored finishes should be avoided on all surfaces if the frame is exposed to direct sunlight, in order to reduce the chance of warping or veneer checking.
7. Water-based coatings on unfinished wood may cause veneer splits, highlighted joints and raised wood grain. If used on exterior frames, the coating should be an exterior grade product. When installed in exterior applications, frames must be properly sealed and adequately protected from the elements. Refer to Eggers' warranty for protection requirements.
8. Be sure the frames 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 manufacturer's recommendations.

INSTALLATION

1. Eggers' recommends factory machining of all frames to insure proper machining tolerances. All labeled frames are required to be machined under licensed inspection service by NFPA 80.
2. The utility or structural strength of the frames must not be impaired when fitting to the opening or applying hardware.
3. The general rule is to use two hinges for solid core doors up to 60 in. (1524 mm) in height, and an additional hinge for every 30 in. (762 mm) or fraction thereof. This matches the requirements for installing fire doors. Refer to Eggers warranty and approvals for special provisions. Consult hinge or pivot hardware manufacturer with regard to weight and size of hinges or pivots required.
4. The maximum clearance between the top, hinge edge and lock edge to the frame and meeting edge of pairs of doors, is 1/8 in. (3.2 mm). NFPA 80 allows a tolerance of +0 and -1/16" to this dimension.
5. All hardware locations, preparations and methods of attachment must be appropriate for the specific door construction.
6. Pilot holes must be drilled for all screws that act as hardware attachments. Full threaded screws should be used for fastening hardware to non-rated frames and are required on fire-rated frames. Eggers does not warrant the use of self-tapping or combination (wood/metal) screws for the attachment of hardware.

7. Doors and door frames should be installed plumb, square and level.

CLEANING AND TOUCHUP

1. Inspect all wood frames prior to hanging them on the job. Repair noticeable marks or defects that may have resulted from improper storage and handling.
2. Field repairs and touchups are the responsibility of the installing contractor upon completion of initial installation. Field touchup shall include the filling of exposed nail or screw holes, re-finishing of raw surfaces resulting from job fitting, repair of job inflicted scratches and mars and final cleaning of finished surfaces.
3. When cleaning frames surfaces, use a non-abrasive commercial cleaner designed for cleaning wood door or paneling surfaces, that does not leave a film residue that would build up or affect the surface gloss of the frame finish.

GENERAL ADJUSTMENT AND MAINTENANCE

1. Insure that all doors swing freely and do not bind in their frame. Adjust the finish hardware for proper alignment, smooth operation and proper latching without unnecessary force or excessive clearance.
2. Periodically inspect all doors and frames for wear, damage and natural deterioration.
3. Periodically inspect and adjust all hardware to insure that it continues to function as it was originally intended.
4. Finishes on exterior frames may deteriorate due to exposure to the environment. See Eggers' warranty for refinishing requirements.



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