

Storage, Handling, Installation and Maintenance Instructions

Storage and Handling

1. Store doors on a flat, level surface in a dry, well-ventilated building.
2. Covering should protect the doors from dirt, water, and abuse while allowing for air circulation under and around the stack.
3. Doors should be handled with clean hands or while wearing clean gloves.
4. When moving doors, do not drag one door across the surface of the next door. Lift and carry each door to its new location.
5. Cherry, Mahogany, Walnut, and certain other species of wood will discolor if exposed to sunlight or some artificial light sources. Doors must be covered with opaque wrap that doesn't allow exposure to artificial or natural light.
6. Do not subject doors to extremes of temperature and/or humidity; exposure may cause damage. Conditions for proper storage and installation are 30 to 50 percent relative humidity and 50 to 90 degrees Fahrenheit.
7. Do not store or install doors in buildings with excessively dry or moist environments. HVAC systems should be operating and balanced.
8. Oak and some other species of wood contain acids that react with ferrous metals, producing dark blue/black stains. Do not use steel wool on the raw wood.

Installation

1. The utility or structural strength of the door must not be impaired in 1] fitting the door to the opening, 2] preparation and application of hardware, or 3] preparation and application of lights, louvers, plant-ons or other detailing.
2. On all solid core doors, use a minimum of one hinge for each 30" of door height. When using three or more hinges, they shall be equally spaced.
3. Pilot holes must be drilled for all screw applications; drill 5/32" diameter pilot holes for No. 12 screws. Self-tapping or combination wood/metal screws are not to be used on wood doors.
4. All hardware locations, preparations and methods of attachment must be appropriate for the specific door construction.
5. Doors shall be completely finished and prepped for hardware prior to installation.
6. Trimming and fitting must be compliant to WDMA I.S. 1A and NFPA 80.
7. Installation of prefinished door shall constitute acceptance.

Additionally, specific to Fire Doors:

- a) A fire door bearing Graham's certification label has been prepared for installation per the conformance authorities granted by Warnock Hersey International and under label service; it must be installed per label instructions, with the certification label on the hinge stile at approximately eye level.
- b) Removal or tampering with the fire label will void the fire rating of the door.
- c) Unless otherwise identified, certified labeled fire doors installed in pairs must have metal edges or metal meeting edges with an astragal.
- d) Job site modification of certified labeled fire doors is restricted to 1] function holes for mortise locks, preparations for surface or applied hardware, and holes for labeled viewers, none of which shall exceed 1" in diameter, 2] a maximum undercut of 3/4" from nominal height, and 3] manufacturer's restrictions for protection plate type and surface area.

Maintenance

1. Insure that 1] the doors have been finished and installed properly, 2] the doors continue to swing freely and do not bind the frame, and 3] all hardware is well maintained and remains functional.
2. Protect doors and hardware from abuse.
3. Periodic care and cleaning of the door finish is recommended. Care should be taken to not use chemical cleaners or polishes which will react unfavorably with the finish materials.
4. Inspect finish on doors at least once every two years to confirm doors are still being protected by the finish. In some cases, repair or refinishing may be necessary.
5. A repair or replacement of the finish should be done with materials which are compatible with the original materials used. Follow the instructions under "Preparation for Finishing."