



Acoustical Wood Door Limitations

Here are some important guidelines to consider when specifying & purchasing an acoustical wood door. All in one convenient place. Contact us if you require further assistance.

Door Size Limitations:

- Maximum size per door leaf is 4'-0" x 8'-0".

Veneer Limitations:

- Doors can be laminated with a variety of wood veneers of both the FSC and Non-FSC type. Must specify type required for the project at time of quote. Leadtimes may vary depending on veneer species and pedigree.
- Doors can be laminated with a variety of Plastic Laminates. Must specify manufacturer and pattern number required for the project at time of quote. Leadtimes may vary depending on laminate manufacturer and pattern selected.

Hardware Limitations:

- All models, except for model 499723, can use a 2-3/4" back-set cylindrical type lock-set. Model 499723 **requires** a 3-3/4" back-set, to accommodate the sealing system.
- All doors can receive mortise locks & mortise, rim, & surface vertical rod panic devices, closers.
- No concealed hardware is permitted; i.e. - Concealed Vertical Rod Panic Devices.
- Electrified hardware is available for doors with an STC-47 rating and below that are hung on level swing ball bearing type hinges where an electric hinge is used to transfer power from the frame to the door. It requires electric locks that fit standard cylindrical and mortise lock preparations without any additional machining and panic devices that require connections on the dummy end of the device. Consult factory with your specific lock to verify that it will be able to be used. Doors are constructed with a conduit in the door and provided with a cable solid conductor AWG18/4 (18 gauge – 4 lead wire). This wire may be used as supplied for hardware hook-up or for pulling other required wires. Conduits are not large enough to pull QC connectors through the door. The addition of raceway conduit may affect STC rating. Product was laboratory tested without conduit. Product can be UL fire rated to UL 10B (neutral pressure) and UL 10C/UBC 7-2 (positive pressure) up to 3/4 hour duration.
- Inactive leafs of pairs can be prepared for manual flush-bolts, surface bolts, or surface vertical rod panic devices only.
- Meeting stiles for pairs of doors is our standard surface mounted formed type. For pairs of doors which will require both leafs active, we will offer our standard split astragal.

UL Fire Rating Limitations:

All models can be UL labeled up to 3/4 hour maximum with the following constraints:

- Single doors only. Pairs of doors cannot be UL fire rated unless configured with a center vertical mullion. This mullion can be supplied by Overly as fixed or removable. Or, other third party mullions may be used. Contact Overly to determine if your third-party mullion can be used.
- Size limit of 4'-0" x 8'-0" maximum single leaf dimensions.
- Vision lights must not exceed 1,296 sq. in.



Vision Light Limitations:

- Minimum vertical light stile dimension is 10". This is the minimum dimension allowed when measuring from the hinge or strike jamb to the edge of the vision light clear opening.
- Minimum top light rail dimension is 8". This is the minimum dimension allowed when measuring from the head jamb to the top of the vision light clear opening.
- Overall size of lights in doors may not exceed one half the door height dimension.

Acoustical Test Reports:

- Laboratory test reports are available for single swing models only. Pairs of doors will be based on single swing tested constructions with the meeting stile fitted with our standard astragal configuration used for egress requirements.