

90-Minute Fire Door Specifications

90-Minute Positive Pressure Category "A" MDF Doors

90-Minute Positive Pressure Category "A" Wood Doors

Sizes

Singles	3'6" x 8'0" maximum
Pairs	7'0" x 8'0" maximum
Thickness	1-3/4" minimum

Panel Construction

Raised Panel	
MDF Doors	1-3/4" minimum
Wood Doors	1-5/16" minimum 1-9/16" minimum for pairs
Flat Panel	7/8" minimum 1" minimum for pairs

Standard Dimensions

Stile ¹	5" minimum
Top Rail ²	5" minimum
Bottom Rail	8-1/4" minimum
Intermediate Stile/Rail	2" minimum

Hardware Machining Options*

Hinges	Per NFPA80
Locksets	1/2" minimum bolt throw
Cylindrical Lock	2-1/8" bore, 2-3/4" backset
Mortise Lock ¹	Listed locks
Dead Bolt	2-1/8" bore, 2-3/4" backset (minimum 5" above latch cutout)
Fire Exit Device	Surface mounted vertical rod Rim-type surface mounted exit device Mortise type exit device
Closing Device ²	Surface mounted
Viewer	Listed viewers
Flush Bolt	Surface mounted manual Mortise manual Mortise automatic (DCI 960/962 Series)
Auto Door Bottom	Surface mounted Mortised ³
Kick Plate ⁴	Top maximum 16" from door bottom
Raceway	1/2" x 1/2" maximum cutout

* Only hardware listed and labeled for use with 90-minute wood fire doors may be installed. Consult factory for configurations not shown. Drawings available upon request.

¹ Certain mortise locks may require a 6" minimum stile

² 6" top rail is recommended for certain closing devices

³ Not available on 90-minute pairs

⁴ Unless approved by kick plate manufacturer