

20-Minute Fire Door Specifications

20-Minute Positive Pressure Category "A" MDF & Wood Doors
 20-Minute Positive Pressure Category "B" MDF & Wood Doors
 20-Minute Neutral Pressure MDF & Wood Doors

Maximum Sizes

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

Panel Construction

Raised Panel	1-1/8" minimum
Flat Panel	1/16" minimum

Minimum Panel Size

MDF Doors	2-3/4" x 2-3/4"
Wood Doors	5" x 5"

Maximum Panel Size

MDF Doors	36-3/4" x 82-1/2"
Wood Doors	32" x 74-1/4"

Lite Construction

Maximum Lite Size	38" x 82-3/4"
Maximum Lite Area	3,145 in ²
Glass Type	1/4" FireGlass 20 (no hosestream) 3/16" FireLite NT (hosestream)

Standard Dimensions

Stile ¹	5" minimum 6" minimum for glass doors
Top Rail ²	5" minimum
Bottom Rail	8-1/4" minimum
Intermediate Stile/Rail	2" minimum 3-1/2" minimum for glass doors

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 Concealed
Viewer	Listed viewers
Flush Bolt	Surface mounted manual Mortise manual Automatic
Auto Door Bottom	Surface mounted Mortised
Kick Plate ³	Top maximum 16" from door bottom
Raceway	1/2" x 1/2" maximum cutout

* Only hardware listed and labeled for use with 20-minute wood fire doors may be installed. Consult factory for configurations not shown.

¹ Certain mortise locks may require a 6" minimum stile

² 6" top rail is recommended for certain closing devices

³ Unless approved by kick plate manufacturer