

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	¹¹ / 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

Acoustic Ratings

Consult factory for acoustical ratings

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 arm track
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 ⁴	Available

* 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 wider minimum stile

² 6" top rail is recommended for certain closing devices

³ Unless approved by kick plate manufacturer

⁴ Availability and size may vary based on listing