



KARONA Fire Door Options & Restrictions

| All dimensions are in inches unless otherwise indicated. | | 20 Minute Neutral | | 20 Minute Positive | | 45/60 Minute Positive | | 90 Minute Positive | | |
|--|---|--|----------|---|----------|--|----------|--|----------|--|
| | | Min | Max | Min | Max | Min | Max | Min | Max | |
| Door Single | Width | 24 | 48 | 24 | 48 | 24 | 48 | 24 | 48 | |
| | Height | 72 | 108 | 72 | 96 | 72 | 96 | 72 | 96 | |
| | Thickness | 1.75 | 2.25 | 1.75 | 2.25 | 1.75 | 2.25 | 2.25 | 2.25 | |
| Door Pair | Width | 48 | 96 | 48 | 84 | 48 | 84 | 48 | 84 | |
| | Height | 72 | 108 | 72 | 96 | 72 | 96 | 72 | 96 | |
| | Thickness | 1.75 | 2.25 | 1.75 | 2.25 | 1.75 | 2.25 | 2.25 | 2.25 | |
| Stiles & Rails | Stiles | 4 | 12 | 4 | 12 | 4 | 12 | 5 | 12 | |
| | Top Rail | 4 | 12 | 4 | 12 | 4 | 12 | 5 | 12 | |
| | Bottom Rail | 4 | 18 | 6 | 18 | 6 | 18 | 6 | 18 | |
| | Center Rail & Mullions | 2 | 18 | 2 | 18 | 2 | 18 | 2 | 18 | |
| | Sticking Options | Ogee, Ovolo, Mission, Square, Classic, Special | | Ogee, Ovolo, Mission, Square, Classic, Special | | Ogee, Ovolo, Mission, Square, Classic, Special | | Ogee [^] , Ovolo, Mission, Square, Classic [^] , Special | | |
| | Face Molding | Available | | Available | | Available | | Available | | |
| Panels | Raised Panel Width | 6 | 40 | 6 | 40 | 1 | 40 | 9.375 | 40 | |
| | Raised Panel Height | 6 | 85 | 6 | 85 | 1 | 88 | 6.125 | 88 | |
| | Flat Panel Width | 6 | 40 | 6 | 40 | 1 | 40 | 6.125 | 40 | |
| | Flat Panel Height | 6 | 85 | 6 | 85 | 1 | 88 | 9.375 | 88 | |
| | Panel Options | Raised, Flat, Step, Rim-Band, Arch, Radius, Lafayette | | Raised, Flat, Step, Rim-band, Arch, Radius, Lafayette | | Raised, Flat, Step, Rim-band, Arch*, Radius*, Lafayette* | | Raised, Flat, Step*, Rim-band*, Arch*, Radius*, Lafayette* | | |
| | V-Groove Options | Raised, Step & Flat | | Raised, Step & Flat | | Raised, Step & Flat* | | Raised & Step | | |
| Glass | Glass Width | 4 | 26 | 4 | 38 | 4 | 54 | 4 | 36 | |
| | Glass Height | 4 | 40 | 4 | 83 | 4 | 54 | 4 | 36 | |
| | Glass Area (Sq. Inch) | 16 | 1040 | 16 | 2656 | 16 | 1296 | 16 | 600 | |
| | Light to Lock Restriction | 5 | na | 1.188 | 48 | 1.188 | 48 | 1.188 | 48 | |
| | Glass Options | Open for glass option | Wire | | Wire | | Wire | | Wire | |
| | | Must be 1/4" rated | Firelite | | Firelite | | Firelite | | Firelite | |
| Fire clips mandatory | | Firelite Plus | | Firelite Plus | | Firelite Plus | | Firelite Plus | | |
| Machining | Machining Restrictions | Positive latching hardware with a listed surface mount closer or spring hinge must be used. Concealed closers available on 20-90 minute doors. | | | | | | | | |
| | | Concealed vertical rods (CVR) available up to 60 minute. | | | | | | | | |
| | | Double egress pair available up to 90 minute. | | | | | | | | |
| | | Wire race ways allowable in all doors | | | | | | | | |
| | | AA & RR tops available up to 60 minutes | | | | | | | | |
| | | Listed viewers can be used up to 1" diameter. | | | | | | | | |
| | Surface & Mortise auto bottoms (1 x 1.75) | | | | | | | | | |
| Fire Treated EB-Pair? | Yes | No | No | No | No | No | No | No | | |

[^] Ogee & Classic not available in 1.75" 90 min pair

(a) Not available in CC construction