

Warm Springs Composite Products Fire Rated Jamb Application Table

| Jamb Rating and Type | Frame Material | Stop Material & Minimum Dimension | Veneer Species ⁷ | Sidelight or Borrowed Lite | Transom | Maximum Opening Single ⁵ | Maximum Opening Pair ⁵ | Minimum Wall Thickness ⁶ | Standard Jamb Body Thickness - no stop ³ | Standard Stop Set-Back ⁴ | Standard Veneered Edge Band |
|---|---|--|--|----------------------------|------------------|-------------------------------------|-----------------------------------|-------------------------------------|---|-------------------------------------|-----------------------------|
| 20 Min. Neutral Pressure Double Rabbet | Antifire MDF | Veneered Antifire MDF, or Hardwood @ 1.25" x 5/8" | Maple, Red Oak, or Walnut ⁷ | Yes ¹ | Yes ¹ | 4/0 x 8/0 | 8/0 x 8/0 | 4.5" | 7/8" | 1.875" | 1/4" Thick |
| 20 Min. Neutral Pressure Single Rabbet | Antifire MDF | Veneered Antifire MDF, or Hardwood @ 2.625" x 5/8" | Maple, Red Oak, or Walnut ⁷ | Yes ¹ | Yes ¹ | 4/0 x 8/0 | 8/0 x 8/0 | 4.5" | 7/8" | 1.875" | 1/4" Thick |
| 20 Min. Positive Pressure Double Rabbet | Antifire MDF with factory applied Intumescent | Veneered Antifire MDF, or Hardwood @ 1.25" x 5/8" | Maple, Red Oak, or Walnut ⁷ | Yes ¹ | Yes ¹ | 4/0 x 8/0 | 8/0 x 8/0 ² | 4.5" | 7/8" | 1.875" | 1/4" Thick |
| 20 Min. Positive Pressure Single Rabbet | Antifire MDF with factory applied Intumescent | Veneered Antifire MDF, or Hardwood @ 2.625" x 5/8" | Maple, Red Oak, or Walnut ⁷ | Yes ¹ | Yes ¹ | 4/0 x 8/0 | 8/0 x 8/0 ² | 4.5" | 7/8" | 1.875" | 1/4" Thick |
| 45 Min. Positive Pressure Double Rabbet | Antifire MDF with factory applied Intumescent | Veneered Antifire MDF, or Hardwood @ 1.25" x 5/8" | Maple, Red Oak, or Walnut ⁷ | Yes ¹ | Yes ¹ | 4/0 x 8/0 | 8/0 x 8/0 ² | 4.5" | 7/8" | 1.875" | 1/4" Thick |
| 45 Min. Positive Pressure Single Rabbet | Antifire MDF with factory applied Intumescent | Veneered Antifire MDF, or Hardwood @ 2.625" x 5/8" | Maple, Red Oak, or Walnut ⁷ | Yes ¹ | Yes ¹ | 4/0 x 8/0 | 8/0 x 8/0 ² | 4.5" | 7/8" | 1.875" | 1/4" Thick |
| 60 Min. Positive Pressure Double Rabbet | Antifire MDF with factory applied Intumescent | Veneered Antifire MDF, or Hardwood @ 1.25" x 5/8" | Maple, Red Oak, or Walnut ⁷ | Yes ¹ | Yes ¹ | 4/0 x 8/0 | 8/0 x 8/0 ² | 4.5" | 7/8" | 1.875" | 1/4" Thick |
| 60 Min. Positive Pressure Single Rabbet | Antifire MDF with factory applied Intumescent | Veneered Antifire MDF, or Hardwood @ 2.625" x 5/8" | Maple, Red Oak, or Walnut ⁷ | Yes ¹ | Yes ¹ | 4/0 x 8/0 | 8/0 x 8/0 ² | 4.5" | 7/8" | 1.875" | 1/4" Thick |
| 90 Min. Positive Pressure Double Rabbet | Tectonite/Antifire MDF with factory applied intumescent | Veneered Antifire MDF, or Hardwood @ 1.25" x 5/8" | Maple, Red Oak, or Walnut ⁷ | Yes ¹ | Yes ¹ | 4/0 x 8/0 | 8/0 x 8/0 ² | 4.5" | 7/8" | 1.875" | 1/4" Thick |
| 90 Min. Positive Pressure Single Rabbet | Tectonite/Antifire MDF with factory applied intumescent | Veneered Antifire MDF, or Hardwood @ 2.625" x 5/8" | Maple, Red Oak, or Walnut ⁷ | Yes ¹ | Yes ¹ | 4/0 x 8/0 | 8/0 x 8/0 ² | 4.5" | 7/8" | 1.875" | 1/4" Thick |

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Notes:

- ¹ Transom's and sidelights are available. All transom's and sidelights must fit within the maximum allowed opening of 8/0 x 8/0. If the total height or width exceeds this dimension, a new fire
- ² For all openings that are wider than 48" the construction of 20, 45, & 60 minute frames defaults to 90 minute construction. 20 minute neutral pressure does not require 90 minute
- ³ Minimum frame body thickness is .750". Maximum frame body thickness for 90 minute construction is 2.125"; and for 20, 45, and 60 minute Antifire MDF construction jamb thickness is
- ⁴ This is the standard set-back for a 1.75" thick door without a smoke seal kerf added to a single rabbet. Add .25" additional set-back for a smoke seal. Custom set-backs are available.
- ⁵ Currently our maximum height is 96", call the factory if your needs are greater than 96".
- ⁶ There is no maximum wall width. For wall widths greater than 8.25" two to three weeks lead-time will be required to secure the correct size veneer.
- ⁷ These are our standard species along with phenolic paper for paint grade surfaces. Other species of veneer are available by special order.