

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
											5.5.2015

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.