



# Fire Rated Wood Doors

## *Frequently Asked Questions*

*(The information provided herein is intended only for general reference. Please refer to your local building code and enforcement agency for specific requirements for your fire door application.)*

**Q:** How do I know if a particular application requires a fire rated door, and where do I find the specific information for those requirements?

**A:** You should always reference your local building code and seek guidance from your building inspector on the specific fire door requirements of your project.

**Q:** Can Koetter Woodworking manufacture stile and rail fire rated doors to compliment its Solid Wood interior door line?

**A:** Yes! (There are some specifications required to achieve fire rating that will result in slight differences in the parts sizes of fire doors compared to non-rated doors. For example, our standard stile and top rail width is 4-3/8" whereas the fire doors require a 5" width [face dimensions]).

**Q:** What fire ratings are available from Koetter Woodworking?

**A:** 20, 45, 60, and 90 minute, category "A" positive pressure doors.

**Q:** What door styles are available from Koetter Woodworking as fire rated doors?

**A:** All square-top raised panel doors found in our Solid Wood Doors catalog are available, with the exception of lited doors and louvered doors. (*Arch-top and radius top doors are also unavailable at this time.*) Custom door styles per your customer's design may be available – please submit for review.

**Q:** What sticking and panel options available on fire rated doors?

**A:** Most of the panel and sticking designs featured in the Koetter door catalog are available for fire rated doors, including applied mouldings. Please contact your account representative for availability.

**Q:** What thicknesses are available in fire rated doors?

**A:** The minimum thickness is 1-3/4"; 2-1/4" doors are also available.

**Q:** In what wood species are fire rated doors available?

**A:** Alder (clear & knotty), Cherry, Fir, Hard Maple, Hickory, KW-Mahogany, Poplar (raw, primed, or with MDF panels), Red Oak, Walnut, White Oak. Other species may be available upon request.

**Q:** Are there any size limitations for fire rated door slabs?

**A:** Yes. Koetter Woodworking fire rated door slabs are limited to maximum sizes as follows:

20-minute "A" rated doors: 3'6" x 8'0"

45-minute "A" rated doors: 3'6" x 8'0"

60-minute "A" rated doors: 3'6" x 8'0"

90-minute "A" rated doors: 3'6" x 8'0"

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**Q:** Can a double door unit be fire rated?

**A:** Yes, but certain restrictions apply. Please contact your account representative for availability.

**Q:** What is the lead-time for fire rated doors?

**A:** Exact lead-times will be provided at time of quotation by Koetter Woodworking; in general, production time for fire rated door slabs will be 5 – 6 weeks.

**Q:** Are fire rated doors available for exterior settings?

**A:** No. Our stile and rail fire rated doors are not engineered for specific use in exterior settings.

**Q:** What is the difference between a “labeled” and a “stamped” door?

**A:** A “labeled” door has a metal label with a serial number attached to the door identifying its rating. When Koetter Woodworking machines a fire door we must attach this label. If you are a licensed (or “authorized”) shop, Koetter Woodworking can provide you with fire rated door slabs marked with an ink stamp to properly identify their fire rating.

**Q:** What are the requirements for machining a fire rated door?

**A:** All machining on a fire rated door must be performed by a licensed machiner. (Koetter Woodworking is a licensed machiner.) If Koetter Woodworking machines the door(s), we will apply our label to the door and/or jamb. If the door is ordered without machining, Koetter Woodworking will stamp the top of the door, which indicates that the door is eligible to receive a fire rated label once machined by a licensed machiner.

**Q:** What is the difference between category “A” doors and category “B” doors.

**A: Category A: Doors - No Additional Edge-Sealing System Required**

This category includes doors evaluated without an edge-sealing system between the door and frame. It also includes doors evaluated with a sealing system incorporated (concealed or visible) into the edge of the door by the licensed manufacturer or machining distributor. Meeting edges of pairs may require an astragal or an edge-sealing system. Please refer to individual door listing. It also includes doors evaluated with a sealing system incorporated (concealed or visible) into the edge of the door by the licensed manufacturer or machining distributor.

**Category B: Doors - Additional Edge-Sealing System Required**

This category includes doors evaluated with an edge-sealing system (Category G) field-applied to the labeled frame or door. The application of the edge-sealing system does not require any machining of the frame or door. Please refer to Category G, "Edge-Sealing Systems" for individual manufacturer's listing.

These assemblies are eligible for use in any Category C, "Standard" frame. These doors may also be installed in frames listed in Category C, "Proprietary" in accordance with the frame manufacturer's individual listing.

All doors listed in Category B are eligible to bear the "S" (for Smoke & Draft Control assemblies) if a listed Category H, "Smoke & Draft Control Gasket" has been applied to the assembly. Please refer to Category H for individual gasket manufacturer's listings.

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**Q:** What warranty is available on fire rated doors?

**A:** Koetter Woodworking's fire rated doors feature a Limited Lifetime Warranty against manufacturer 's defects.

**Q:** Are fire rated wood jambs available?

**A:** Yes. 20-minute positive pressure fire rating with hose stream category "C" frames are available in single rabbet and applied T-stop construction in the following species:

*Alder (clear & knotty), Cherry, Hard Maple, Hickory, KW-Mahogany, Poplar (raw or primed), Red Oak, Walnut, White Oak (Note - Metal jambs are also available.)*

Please contact your Koetter Woodworking account representative for availability.

### Additional Information Regarding Fire Door Availability:

	<u>20-minute</u>	<u>45-minute</u>	<u>60-minute</u>	<u>90-minute</u>
<b>Category</b>	Category A Positive Pressure	Category A Positive Pressure	Category A Positive Pressure	Category A Positive Pressure
<b>Thickness</b>	1-3/4" or 2-1/4"	1-3/4" or 2-1/4"	1-3/4" or 2-1/4"	1-3/4" or 2-1/4"
<b>Species</b>	Alder, Ash, Cherry, Fir, Hard Maple, Hickory, KW Mahogany, Poplar (Raw, Primed, or with MDF panels), Red Oak, Walnut, White Oak	Alder, Ash, Cherry, Fir, Hard Maple, Hickory, KW Mahogany, Poplar (Raw, Primed, or with MDF panels), Red Oak, Walnut, White Oak	Alder, Ash, Cherry, Fir, Hard Maple, Hickory, KW Mahogany, Poplar (Raw, Primed, or with MDF panels), Red Oak, Walnut, White Oak	Hard Maple, Hickory, KW Mahogany, Red Oak, Walnut, White Oak
<b>Hanging</b>	Available pre-hung in wood or metal jambs	Available pre-hung **	Available pre-hung **	Available pre-hung **
<b>Maximum Door Width</b>	3'6"	3'6"	3'6"	3'6"
<b>Maximum Door Height</b>	8'0"	8'0"	8'0"	8'0"
<b>** Call for information in jamb and hang limitations. Some restrictions apply.</b>				

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