



FIRE DOOR REQUIREMENTS IN BRIEF

- Fire-rated door assemblies require a labeled door, a labeled frame, a listed lock device, listed closing device, and steel bearing hinges. (Non-steel bearing hinges are acceptable as tested on listed assemblies.) Refer to SDI 118 – Basic Fire Door Requirements for further details on fire rated door assemblies.
- In general, the required hourly rating of the door assembly is 3/4 of the hourly rating of the wall it is being installed into. Refer to SDI 118 for further information.
- The minimum rating of any component in the assembly determines the achieved rating of the assembly; e.g. a 1-1/2 hour door installed into a 20-minute frame results in a 20-minute rated assembly.
- Subdivision of non-rated components or devices in the door assembly can only result in a reduction in or a voiding of the overall fire protection rating.
- Most fire-rated door installations are governed by NFPA 80-Fire Doors and Windows.
- Key phrases to look for when assessing fire specifications are: UBC 7-2-1997 – UBC Fire Test, indicating positive pressure testing has been satisfactorily performed on the unit, and UBC 7-2-1994 – UBC Fire Test, indicating that the unit has passed neutral pressure test requirements.

NEXT DOOR FIRE RATINGS – Available in UL (Underwriters Laboratory) and WH (Warnock Hersey) Class A (3 hour), Class B (1 1/2 hour) and Class C (3/4 hour). Requirements vary by community, so please provide these when requesting a quote.

For glass doors, many elevations do not meet Class A and B standards. Please check with us to determine whether a specific elevation can be made to meet your code requirements.

General guidelines of fire rating requirements are shown in the table below:

Opening	Wall Rating	Door/Frame Rating
Openings in walls which separate buildings or divide a single building into fire areas.	4 hour	3 hour
Openings in; enclosures of vertical communication such as stairwells or elevator shafts or; in exterior walls subject to severe fire exposure from outside the building.	2 hour	1 1/2 hour
Openings in walls between occupancies.	1 hour	1 hour
Openings in; corridors and room partitions or; in exterior walls subject to moderate to light fire exposure from outside the building.	1 hour	3/4 hour
Openings where smoke control is a primary consideration for partitions between a habitable room and a corridor when the wall is constructed to have a fire resistance of more than 1 hour or across corridors where a smoke partition is required.	1 hour	1/3 hour (no hose stream)
NOTE: The local Authority having Jurisdiction and Building Code specify the hourly rating for any location.		