

Fire-Rated doors with a Mullion

Information Bulletin #353



Eggers Industries

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The inclusion of a mullion in a door opening can affect the door construction required for the opening. There are two basic types of mullions to be considered. Those located **behind** the doors and those located **between** the doors. The exact shape and dimensions are not important. The basic question is whether there is metal between the meeting edges of the doors.

Underwriters Laboratories considers fire rated doors, 20 through 90 minute, as single swing whether the mullion is between or behind the doors. The maximum door size is per our single swing approvals. This applies for applications where both leaves are active, including mortised exits, rim exits, and other single or two point latch options (any single swing latch option).

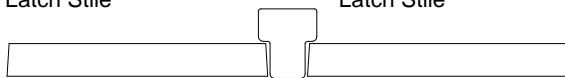
Warnock Hersey (ITS) considers fire rated doors, 20 through 90 minute, as single swing if the mullion is between the doors. If the mullion is located behind the doors they are still considered a pair. The maximum sizes therefore vary depending on whether the mullion is between the doors or not.

These interpretations apply to neutral pressure, as well as Category A and B positive pressure. For manufacturing reasons, applications where the mullion is behind the doors will only be offered with a UL label.

These options are summarized in the following drawings:

UL:
Single Swing Size
Category A or B or Neutral
Latch Stile

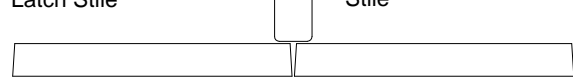
WHI:
Single Swing Size
Category A or B or Neutral
Latch Stile



Mullion Between Doors

UL:
Single Swing Size
Category A or B or Neutral
Latch Stile

WHI:
Not Available with
Single Swing Latch
Stile



Mullion Behind Doors



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Plywood, Veneered Components**

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