



Product Update

MARCH 1, 2013

#P462

Revision 01

DOORS USED FOR SMOKE CONTROL

Smoke Barriers and Smoke Partitions are terms used in the building codes to define two different applications.

Typically, doors in smoke barriers are rated doors however there is an exception for a specific non-latching cross-corridor double-egress application. When we used the term smoke barrier door or smoke barrier label, we are referring to this exception.

Smoke partitions are non-rated and the doors protecting their openings are non-rated. They are however required to be self-closing and gasketed to meet air leakage requirements.

The table below compares the door allowed for the smoke barrier exception and smoke partition doors

	Smoke Barrier Door	Smoke Partition Door
Intended Use	Double egress pairs installed across a rated egress corridor, healthcare	Non-rated partitions where smoke control is required
Closing	Requires self-closing hardware	Requires self-closing hardware
Latching	Push-Pull hardware allowed in lieu of self-latching hardware	Typically requires self-latching hardware, but it does not have to be machined under label inspection
Construction	20-minute constructed – leaf sizes, glazing, construction, clearances all per fire door approvals	Non-rated construction and glazing; restriction based on warranty not approvals
Labeling	Warnock Hersey has a special label for this (see sample below); not available with a UL label	Non-Agency Eggers label (see sample below)