



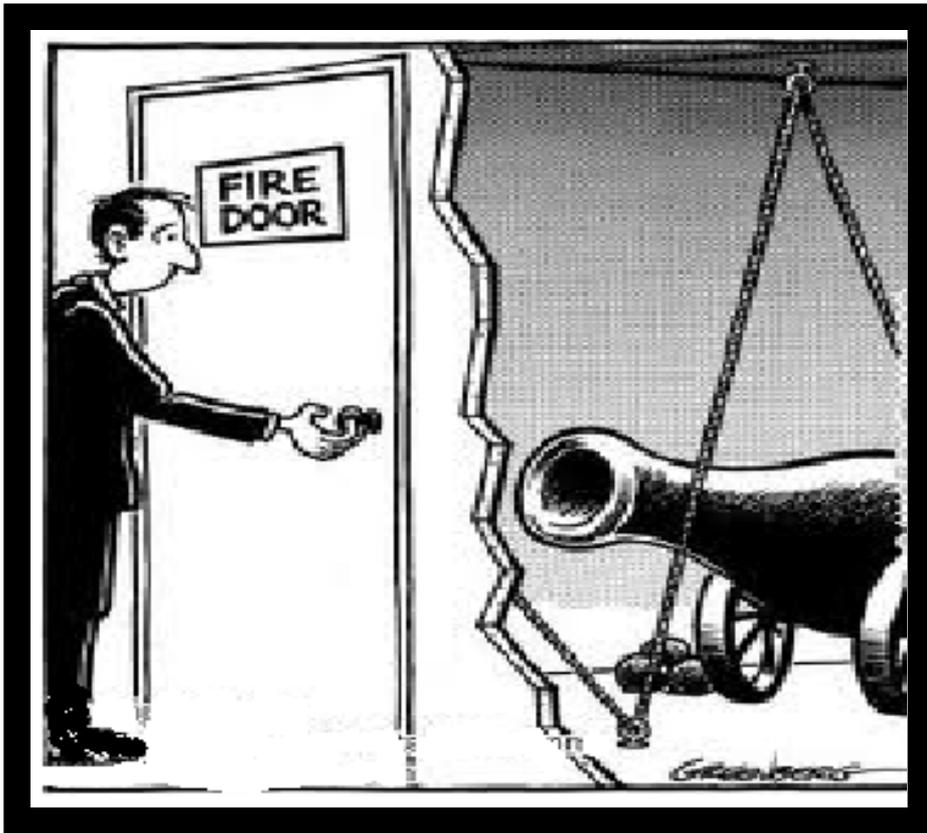
Washington State Patrol

Office of the State Fire Marshal

Serving Washington Since 1901

Fire Door Care and Maintenance

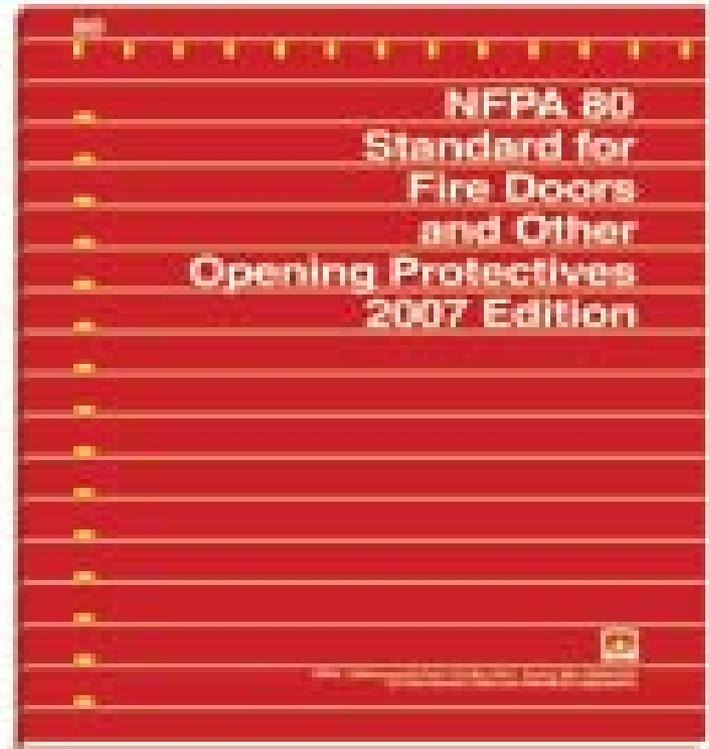
Fire Door Basics



- Q: What is the purpose of a fire door?
- A: To prevent the movement of smoke and heat within the structure, and to temporarily contain a fire to the room/area of origin.

Fire Door Basics

- ✓ NFPA 80 is the standard for the different types of fire doors.



Fire Door Basics

✓ Fire doors include:

- ✓ Single leaf swinging doors.
- ✓ Double leaf swinging doors.
- ✓ Roll-down fire doors.
- ✓ Sliding fire doors.



Fire Door Basics

- ✓ The amount of care and maintenance a door will need is often dependent upon how much use the door is subject to and how severe the use is.



Fire Door Basics

Fire Doors are critical to ensuring that fire-rated compartments are NOT compromised.



Smoke Compartments

Smoke Compartments are designed to limit the spread of smoke and contain it to just one compartment of the building.

Fire Doors Ratings...

- ✓ Ratings are found on the rating tags and are expressed in minutes of duration.



Fire Doors Ratings...

- ✓ Ratings are based upon the concept that no combustibile goods are placed against the door.



Fire Doors Ratings...

- ✓ Rating tags should not be removed or painted over.



Door Hardware

Door hardware should:

- ✓ Meet ADA requirements.
- ✓ Be ‘Panic Hardware’ when serving larger occupant loads as required by code.
- ✓ Be ‘single action’ for required exit doors.



Care & Maintenance

Fire doors can only work when they are in the latched position and maintained!



Care & Maintenance

- ✓ Routine maintenance will ensure that doors function properly.



Care & Maintenance

Ensure that doors are kept in good repair and function properly and close and latch with no excessive gaps.



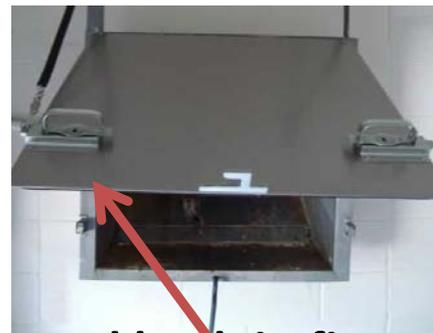
Damage to Door Integrity



Crack in Glass



Excessive Gap



Must close and latch in fire conditions

Care & Maintenance

Continually test delayed egress door devices to ensure proper function and release.



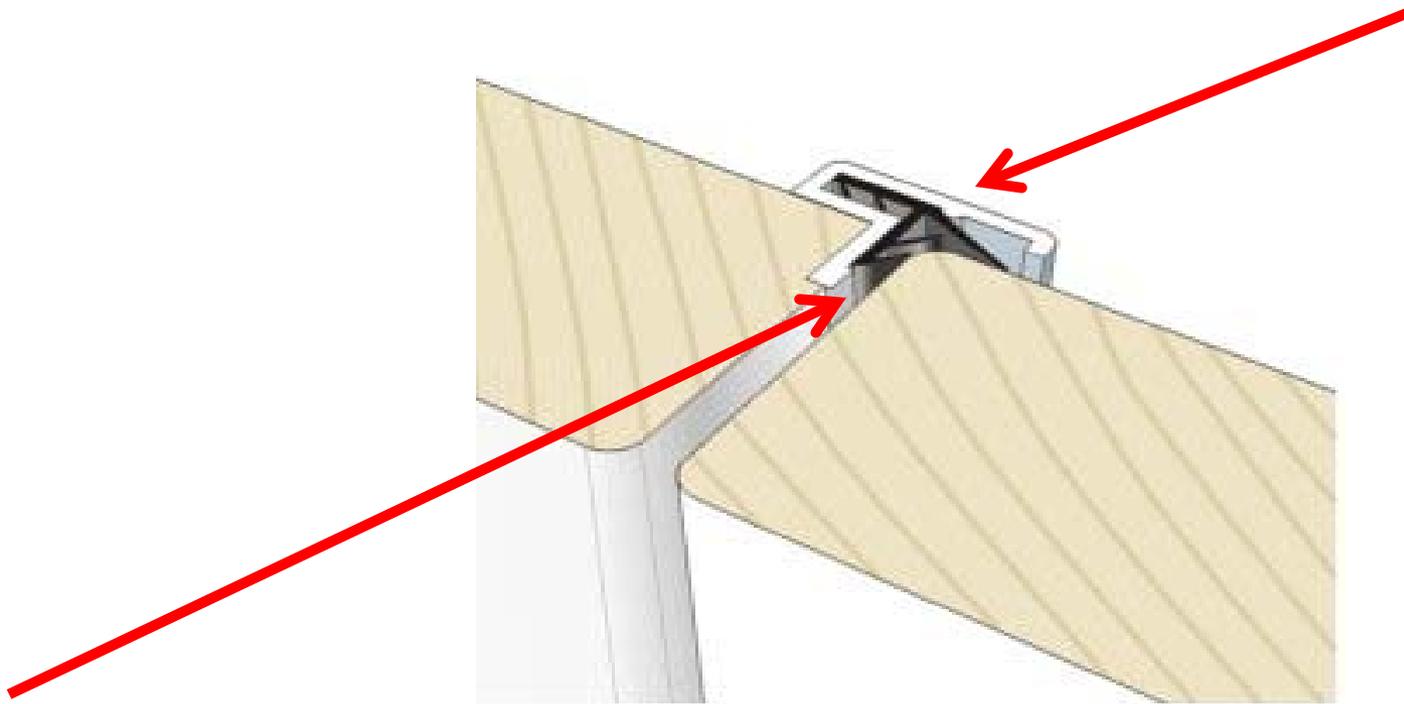
Care & Maintenance

Ensure that specialty doors like laundry chutes, dumbwaiters, etc. function properly and are equipped with proper fusible links where required.



Care & Maintenance

Smoke gaskets and Astragals shall be maintained.



Hold Open Devices

- ✓ Required fire doors may only be held open with electro-magnetic devices that are interconnected to the fire alarm system.



Prohibited Practices

- ✓ Flush bolts may not be applied to exit doors.



Prohibited Practices

- ✓ Roller latches may not be used on patient room doors in healthcare occupancies.



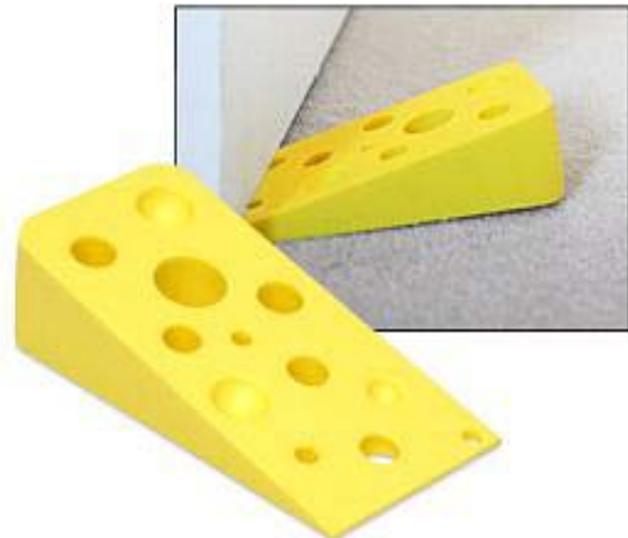
Prohibited Practices

- ✓ Do not compromise the latching hardware on fire doors.



Prohibited Practices

- ✓ Do not wedge or block open a self-closing fire door.



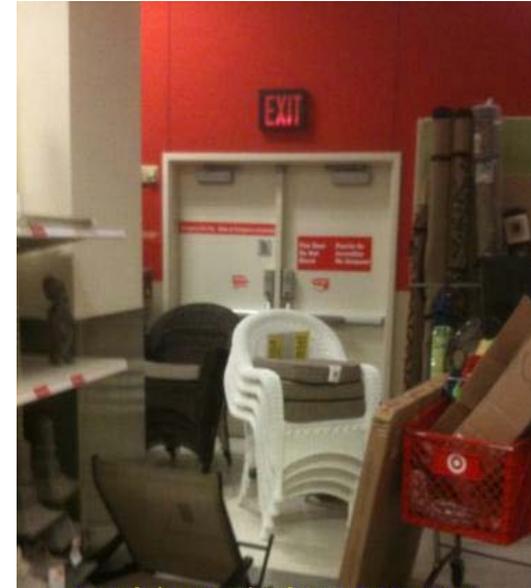
Prohibited Practices

- ✓ Do not lock a required EXIT door.



Prohibited Practices

- ✓ Do not obstruct or block required fire doors.



Prohibited Practices

- ✓ Improper use of audio-release door hold-open devices.



Prohibited Practices

- ✓ Do not envelop doors with combustible materials.

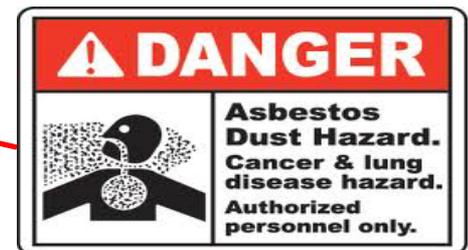


Prohibited Practices

- ✓ Replace damaged doors.



Note: Some fire doors are filled with Asbestos





Washington State Patrol

Office of the State Fire Marshal

Serving Washington Since 1901

Contact your area
Deputy State Fire
Marshal when questions
arise, or for additional
information