

Fire Kontrol™ Design Applications:

Product Applications Overview

Fire Kontrol is ideal at openings where a fire and/or smoke rating is required and:

- Egress is required but fire rated swinging man doors are not practical or aesthetically appealing.
- A curved opening is required and the opening construction does not permit installation of fire rated coiling doors or the use of coiling doors is not aesthetically appealing.

Fire Kontrol System Advantages:

- All units provide UL / FM labeled fire and smoke protection
- Minimal headroom and no floor track required
- Can accommodate curved openings
- Use in lieu of banks of rated swing doors to:
 - a. Increase emergency exit opening widths
 - b. Eliminate visual barriers
 - c. Maintain the spaciousness of the facility
- Allows maximization of elevator lobby openings allowing guest a clear view of the elevators as compared to swing doors with frames
- Eliminates minimum encroachment requirements of swing doors into floor level corridors
- Kontrol's ability to span wide openings in areas such as convention centers, transportation facilities and casinos allows for free flow of the general public with the capability of providing emergency separation protection as needed.
- Use in atriums as an alternative to a complying sprinkler and smoke removal system.
- Emergency egress hardware allows units to comply with the Americans with Disabilities Act.

Common Applications: (Relevant 2006 IBC® sections shown in parenthesis)

- Elevator Lobbies (IBC 707.14.1)
- Elevator and Vertical Shaft Opening Enclosures (IBC 707)
- Cross Corridor, Emergency Egress Exits (IBC 715.4.3, 1017)
- Fire & Smoke Rated Corridor Wall Openings (IBC 715)
- Required Smoke Barrier Openings (IBC 709)
- Atriums (IBC 404.5)
- Stage Proscenium Openings (IBC 410.3.5)
- Large Opening Area Separation – such as airport terminals, casinos & convention centers (IBC 1022)

Additional Applications for Fire Kontrol:

- Underground buildings where openings are required to be smoke barriers. Generally low headroom conditions in which Fire Kontrol units work well.
- Facilities with Mixed Use and Occupancy
- Incidental Use Areas within Buildings (for example, boiler rooms)
- When Smoke Barriers are required to sub-divide each building story into at least two compartments
- Buildings requiring an Area of Refuge – require an accessible means of egress and smoke barrier protection.