

SmokeShield®

UL Classified Smoke and Draft Control Assemblies

Smoke kills more often than fire. Now, Cornell SmokeShield products give people another chance to escape a fire with their lives! SmokeShield adds proven smoke and draft control to Fire Doors and Counter Fire Doors. They are designed to prevent the spread of smoke in a fire emergency, **protecting life** and property. Use at any opening where life safety is a priority, especially interior corridors and smoke barrier openings.

When selecting smoke containment products, specify UL listed products to be sure their performance has been tested and validated by an independent third party agency. SmokeShield products are UL Classified for fire protection and meet these specifications required by insurance and building codes for Smoke and Draft control:

- Tested per UL 1784, the procedure for smoke-and-draft control door assemblies.
- UL, "S" leakage rated assembly labeled for smoke and draft control.
- Meets the requirements of NFPA 105.
- Meets the requirements of the International Building Code, 2006, Section 715.4.3.
- UL Classified for fire protection: 4, 3, 1 1/2, 1 and 3/4 hour labels are available for fire doors and insulated fire doors; 3, 1 1/2, 1 and 3/4 hour labels for counter fire doors.

Insist on the label!



SmokeShield Benefits:

- **Saves lives**, buildings and property.
- Controlling smoke limits property damage.
- Air flow and drafts fuel fire. SmokeShield units help control and contain fires by limiting oxygen flow.
- Meets today's more stringent building code requirements.
- Full-line product offering of counter fire doors, fire doors, and insulated fire doors.

Other Available Features and Benefits

- M100 Bracket Mounted Motor, M100 Tube Motor, M100 Chain or M100 Crank automatic closing systems provide safe and convenient operation. Spring tension resetting is never required and automatic closing speed is safely controlled not to exceed 12" per second.
- SmokeShield units are approved for mounting in fire rated walls for both face of wall or between jambs conditions.
- Units are available with curtains in your choice of galvanized steel with exclusive GalvaNex™ finish in gray, tan or white or a broad selection of optional powder coat finish colors or 300 series stainless steel with #4 finish. GalvaNex standard white finish not available for 22 gauge Firemisers or counter fire doors.
- Each unit is built to exact opening size requirements. See back of sheet for size limits by product category.
- Cornell's 2-Year Quality Warranty, standard.



Where there's fire - there's smoke!

Double up your protection. The combination of smoke and fire protection that Cornell SmokeShield products offer is a clear choice.

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SAFE AND SECURE

Model ERD 11

SmokeShield® Fire Doors

Provide wall opening access and protect separated areas from the spread of smoke and fire. They are suitable for use in industrial, commercial and institutional applications.



Sizes: 30' wide, 25' high standard construction.
Large Openings to 34' wide, consult factory.

Labeling: In addition to UL "S" Label:

- UL Classified for fire protection; 4, 3, 1 1/2, 1 and 3/4 hour labels available.
- Factory Mutual Fire Protection Approval.

Mounting: Face of wall or between jambs configurations for both interior and exterior walls. Approved wall types for mounting include masonry or structural steel jambs.

Model ERD 21

SmokeShield® Firemiser™ Insulated Fire Doors

Combines the benefits of an insulated door and a labeled fire door product. Provides smoke control plus UL rated fire protection, security, sound attenuation, and environmental separation.



Sizes: Openings up to 30' wide by 22' high.
Large Openings to 34' wide, consult factory.

Labeling: In addition to UL "S" Label:

- UL Classified for fire protection; 4, 3, 1 1/2, 1 and 3/4 hour labels available.

Mounting: Face of wall or between jambs configurations for both interior and exterior walls. Approved wall types for mounting include masonry or structural steel jambs.

Sound Transmission Class: STC 27

Climate Control: Firemisers full perimeter seals and insulated curtain yields a 5.3 R value. Use at exterior or interior openings to control varying temperatures on each side of the door.

Model ERC 11

SmokeShield® Counter Fire Doors

Protects counter openings against the spread of smoke and fire, and can be used regularly for security. When the compact components of Counter Fire Doors are desired, these units can fully close to the floor.



Sizes: Openings up to 16' wide when height is 7'6" or less. Openings up to 12' wide when height is 10' or less.

Labeling: In addition to UL "S" Label:

- UL Classified for fire protection; 3, 1 1/2, 1 and 3/4 hour labels available.

Mounting: Face of wall or between jambs configurations. Approved wall types for mounting include rated drywall, masonry or structural steel.

Fire Door System Operation

M100 FireGuard™ Closing Systems are recommended for all SmokeShield products. Available in bracket mounted motor, tube motor for counter fire doors and manual chain or crank, M100 Closing Systems offer the following benefits:

- Automatic resetting of the automatic closing system yields dramatic savings for building owners in testing and resetting costs as well as minimized opening downtime.
- M100 systems are directly wired for activation by fire alarm systems, local detectors or power failure without requiring connection to a separate alarm interface, fusible link release device.
- Eliminate mechanical spring release and complicated resting and resetting, especially on recessed and larger doors.
- Safe, controlled, automatic closing speed will not exceed 12" per second.
- Can be applied consistently on fire door, insulated fire door, counter fire door SmokeShield products.

Fire Door System Options

- Conventional (Non-M100) Fire Door Release Devices: fail safe electro-mechanical devices enable fuselink closing (Non-M100) fire doors to initiate automatic closing in response to an alarm signal or following a ten second power outage. Battery back-up versions available.
- Annunciators - Optional safety devices that provide a visual and/or audible advanced warning when the door is about to close. Can be activated upon alarm signal or loss of power when supported by a battery back-up device.
- UL 1 1/2 Hour Labeled Countertops for Counter



Fire Doors - Plastic laminate countertops are available in a range of standard laminates in a single piece

up to 10' wide, and in two pieces with center joint to 16' wide. 14 gauge, #4 finish stainless steel countertops are custom designed to a maximum wall opening width of 11'2" for face of wall units, 11'10" for between jambs, for a maximum 12" wall thickness.

Optional Finishes

- SpectraShield® powder coat finish in a choice of over 200 colors for added durability and value
- Hot-dip galvanizing on steel components
- Zinc Rich Gray corrosion resistant powder coating

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An ISO 9001:2008 Registered Company

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