



FIRESTAR® 700C

INSULATED STEEL
FIRE DOORS PROVIDE
PROTECTION AND
THERMAL EFFICIENCY



WAYNE DALTON COMMERCIAL DOORS

FireStar® 700C

Featuring fire-resistant insulation, the FireStar® 700C is an innovative solution for openings that require fire protection and thermal efficiency.

Wayne Dalton's FireStar® fire doors not only feature advanced designs that provide reliable, long-lasting performance but they include the ability to drop-test and reset the door without a service call.

- SIZES UP TO 24' WIDE OR UP TO 24' HIGH
- EASY TO TEST
- NON-TENSION RELEASE
- FLOOR RESETTABLE
- R-VALUE = 5.0
- UL / FM RATED
- CONFORMS TO NFPA STANDARD 80
(NATIONAL FIRE PROTECTION ASSOCIATION)



INSULATED ROLLING STEEL FIRE DOOR

Standard Features Overview

Max Width	Up to 24'
Max Height	Up to 24'
Insulation	R-value† of 5.0; U-value of 0.2
Curtain	3" insulated galvanized steel flat slats (#34 profile); 22 ga. steel front / 24 ga. steel backer
Curtain/Hood Finish	Primed gray, white, beige or brown
Mounting	Face mount angle-in or angle-out; between jambs
Operation	Chain hoist; motor*
Automatic Closure	UL approved release mechanism with a 165 degree fusible link
Locking	Slide bolts on manual operation
Bottom Bar	Galvanized steel double angle with weatherstrip and insulation
Guides	Three angle steel; factory painted black
Brackets	3/16" or 1/4" steel plates with sealed ball bearing, painted factory black
Counterbalance	Steel pipe, painted factory black, of adequate size to restrict a maximum deflection of .033" per linear foot. Oil tempered, 20,000 cycle helical springs
Governor	Viscous governor (if required); cable release engages to slow speed during automatic door closure per NFPA 80 standard
Hood	24 ga. galvanized steel round hood
Wind Load	+/- 20 psf standard
Label	up to 4-Hour Class A label in UL, ULC; up to 3 hour Class A label in FM; dependent on wall, jamb and mounting

Options

- Operation: Motor, motor with chain hoist, wall crank, awning crank
- Curtain: 20, 18 ga. Steel front; 22, 20, 18 ga. stainless steel front
- Curtain finish: G-90 galvanized bare or painted beige or gray, stainless steel #4, powder coat**
- Locking: Slide bolts, cylinder, Best lock, thumb turns
- Vision FireLites: 5"x3/4" FireLite fenestration with glass vision lite
- Bottom bar: Stainless steel double angle, galvanized structural steel angle construction, sloped
- Bottom bar finishes: Primed black finish, stainless steel #4, powder coat**; hot dipped galvanized (double angle only)
- Bottom edge: Astragal, pneumatic or electric sensing
- Hood: 22 ga. round or square hood finished in bare galvanized, stainless steel #4, or powder coat**
- Guides: Galvanized steel or stainless finished in stainless steel #4, powder coat**; hot dipped galvanized (structural steel angle only)
- Bracket finishes: Galvanized (hot dipped), stainless steel #4, powder coat**
- Perimeter seals: Angled guide brush, exterior lintel weather, flame baffle, smoke package (full perimeter seal, caulking, label)
- Wind load: Minimum of +/- 20 psf up to +/- 55 psf; options available to meet up to Dade County – Florida Building Commission
- Other options: Wind locks alternating or continuous with windbar, end covers, fascia, fire door release system, horns and strobes, smoke detectors

*Reference door chart on website or contact plant for door charts or more information
 **Powder coat available in RAL or custom colors

FireStar® 700C Rolling Steel Fire Doors are an innovative solution for safety and fire protection, ideal for use in openings with thermal requirements.

Thermal Efficiency

The smooth stats of the FireStar® 700C are filled with mineral wool insulation which provides an R-value† of 5.0.



Slat Profile

Safety

The FireStar® 700C door can be drop tested easily and reset in seconds; no tools or service technicians required. These tests can be done in addition to the required annual inspection by a trained technician. By self-testing throughout the year, you can be even more confident that the door will function safely in the event of fire.

The drop-out mechanism is designed to eliminate down time during drop testing while the viscous governor technology results in smoother, quieter door operation.

The non-combustible mineral wool insulation features flame spread and smoke development of 0, to further aid in the protection of the building.

Reliability

The revolutionary design of FireStar® uses a patented planetary gear on the drop-out mechanism ensuring years of reliable service and drop-out performance. Factory tested and approved for a minimum of 20,000 cycles, the FireStar® door can be used and/or tested on a regular basis.

FireStar® fire doors have been tested and approved to meet the requirements of Underwriters Laboratories and Factory Mutual, and conform to NFPA Standard 80.

Simplicity

Wayne Dalton incorporates one standardized component design for all FireStar® doors regardless of size, and utilizes fewer parts than other models. This helps to ensure more accurate installations and reduces the possibility of potential service calls in the future.

† Wayne Dalton uses a calculated R-value for our insulated doors.

FIRESTAR® 700C



Accessories



WayneGuard™ Fire Door Release Device



Horns and Strobes



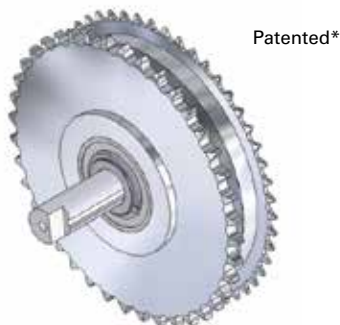
Smoke Detectors

FireStar® Door Control Devices

Easily drop test and reset a fire door without resetting spring tension and rerouting cables.

Chain hoist and motor operation

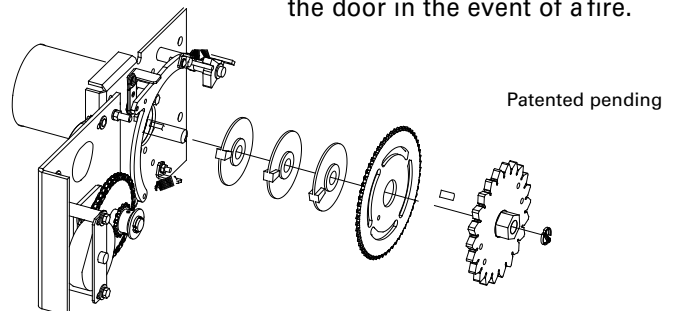
- Revolutionary fire door control device utilizing a planetary gear arrangement to disconnect the operator and drop the door in the event of a fire.



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7,878,230

Lift up and crank operation

- Revolutionary fire door control device utilizing clutch plates and unique counterbalance technology to drop the door in the event of a fire.





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Test Device — FireStar 700C insulated doors feature an easy-to-use release handle.

FOR TECHNICAL INFORMATION, VISIT WWW.WAYNE-DALTON.COM/COMMERCIAL

Architect Resource Center

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