

# **FIRESTAR<sup>®</sup> 700C**

INSULATED ROLLING STEEL FIRE DOORS



## **INSULATED STEEL FIRE DOORS PROVIDE PROTECTION AND THERMAL EFFICIENCY**

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

Wayne Dalton's FireStar<sup>®</sup> 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' HIGH OR UP TO 24' WIDE
- » EASY TO TEST
- » NON-TENSION RELEASE
- » FLOOR RESETTABLE
- » R-VALUE = 5.0
- » UL/FM RATED
- » CONFORMS TO NFPA STANDARD 80 (NATIONAL FIRE PROTECTION ASSOCIATION)

# FIRESTAR® 700C

## STANDARD FEATURES OVERVIEW

### CONSTRUCTION

MAX HEIGHT	24'
MAX WIDTH	24'
MAX SQUARE FOOTAGE	324 sq. ft.
INSULATION	R-value† = 5.0; U-value† = 0.2
CURTAIN	3" insulated galvanized steel flat slats (#34 profile); 22-gauge steel front / 24-gauge steel backer
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° 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 bearings, painted factory black
COUNTER-BALANCE	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-gauge galvanized steel round hood
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-gauge Steel front; 22, 20, 18-gauge 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" x 3/4" 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-gauge 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, stainless steel #4, powder coat\*\*
- Perimeter seals: Angled guide brush, exterior lintel weather, flame baffle, smoke package (full perimeter seal, caulking, label)
- Wind load: 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 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 slats of the FireStar® 700C are filled with mineral wool insulation which provides an R-value† of 5.0.



Slat Profile

### SAFETY

The FireStar® 700C 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® 700C 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.

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

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## ACCESSORIES



WayneGuard™ Fire Door Release Device



Horns and Strobes



Smoke Detectors

## DOOR CONTROL DEVICES

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

### Chain hoist, crank 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.



Patent  
8,770,255  
7,878,230

### Lift up operation

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





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



## Architect Resource Center

Visit [wayne-dalton.com/architect-resource-center](http://wayne-dalton.com/architect-resource-center) to find our Architect Resource Center. In this tool, you will quickly find all of the specifications, drawings and documents you need to complete your project.

**Wayne Dalton**  
COMMERCIAL DOORS

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