



### FIRE-TITE LABELING

The Oversize Certificate is authorized for rolling steel doors for the protection of openings in fire walls, vertical shafts and exterior walls where the area exceeds 162 square ft., or for openings in the above locations when width or height exceeds 13'-6" x12'. The maximum dimensions for doors for standard fire protection provided with the Oversize Fire Door Certificate is 56 ft. in width and 30 ft. in height. Fire doors exceeding 1,200 square feet must consult factory.

Doors are constructed to conform within requirements specified by Underwriter's Laboratories, Inc. (U.L.). Doors are automatic and self-closing through an isolating governing release system, Class (A) (B) (C) (D) or oversized certificate.

**Class (A)** - 3 hour approved for doors in dividing fire walls with openings not exceeding 162 sq. ft. in area. Sizes above 162 sq. ft. will be oversized.

**Class (B)** - 1.5 hour approved for doors, in vertical shaft openings not exceeding 162 sq. ft. in area. Sizes above 162 sq. ft. will be oversized.

**Class (C)** - 0.75 hour approved for doors in a corridor or a room-partition opening not exceeding 162 sq. ft. in area. Sizes above 162 sq. ft. will be oversized.

**Class (D)** - 1.5 hour approved for doors in an exterior wall opening not exceeding 162 sq. ft. in area. Sizes above 162 sq. ft. will be oversized.

**4 Hour Rated (Optional)**- Approved for doors with openings not exceeding 162 sq. ft. in area. Sizes above 162 sq. ft. will be oversized.

### INSTALLATION

\*The opening preparation and the installation of the fire door shall be performed in strict compliance with NFPA-80.

\*Opening preparation, miscellaneous or structural metal work, access doors, finish or field painting, field electrical wiring, wire, conduit, fuses and disconnect switches are in the Scope of Work of other divisions or trades.



### APPLICATION AND USE

ISO 9001 Registered Company

Fire-Tite Flat Slat Doors as manufactured by Alpine are ideal for and are commonly used in Industrial Facilities, Educational Facilities, Healthcare Facilities, Hospitals and Airports, Warehouses, Distribution Centers, and/or Hotels where Fire protection is needed.

### THE ALPINE ADVANTAGE AND BENEFIT

- Alpine's Fire-Tite doors ensure security and fire protection and are listed and/or classified by:
  - Underwriter's Laboratories, Inc., (U.L.),
  - Underwriter's Laboratories of Canada, Inc. (U.L.C.),
  - Factory Mutual (F.M.) \*Flame Drop Baffle Required\*
- Make-To-Order manufacturing process. Alpine builds your product to the exact size specified by you.
- All of our products are constructed to have a rigid and compact design which provides for a more structural grade product while reducing overhead space and obstruction.
- Alpine builds trust by providing our products with a 2-year warranty on material and workmanship. As we also offer an optional five-year pro-rated warranty. Please call factory for more information on our pro-rated warranties.
- We are an ISO 9001 registered firm which ensures you that our products are built with true quality you can count on.

### FUNCTIONAL BENEFITS

- Reduced cost and time with testing and/or resetting of fire door.
- Eliminates all mechanical fire gears on brackets and manual resetting of spring tension.
- 10 second time delayed close option available. This option prevents the door from immediately self-closing due to a smoke alarm or power failure.
- Designed for a safer, slower, uniform closing speed of an average rate of not more than 9" (nine inches) per second.
- All resetting is completed at the floor level by pushing the "open" button at the control station for motor operated doors or disengaging the pull cable for hand chain and/or hand crank operated doors.
- Resetting procedure performed within minutes by facility maintenance personnel during routine resetting, reducing door downtime and eliminate the additional need for a door technician to mechanically reset the door for purposes other than an actual fire event or annual door inspection which require a trained fire door technician.

### OTHER RELATED PRODUCTS





### DOOR CONSTRUCTION

#### **CURTAIN**

Curtains shall be constructed of interlocking, roll-formed galvanized steel 2-3/4" flat slats, G90 coated exterior, (G60 interior), Structural Quality, as per ASTM A 653/A 653 M. Curtain is assembled with metal endlocks utilizing solid steel rivets for increased wearability and slat alignment.

- 22 gauge material is utilized on doors up to 12' 0"W x 12' 6"H
- 20 gauge material is utilized on doors up to 21' 0"W x 13' 0"H
- 18 gauge material is utilized on all doors above 21' 0"W x 13' 0"H

**Standard Finish:** Galvanized

**Optional Finish & Material:** Prime Painted or Stainless Steel

#### **BOTTOM BAR**

Bottom bar consists of two roll-formed steel angles. designed to reinforce the bottom of the curtain. Slide Lock mechanisms available (please refer to LOCKING)

- 2" x 2" x 1/8" angles utilized up to widths of 20'
- 2 1/2" x 2" x 3/16" angles utilized from 20' to 30'
- 2 1/2" x 2 1/2" x 3/16" angles utilized from 30' to 40'
- 3" x 3" 3/16" angles utilized on doors wider than 40'

**Standard Finish:** Galvanized

**Optional Finish & Material:** Prime Painted or Stainless Steel.

#### **BRACKETS**

Made from a steel plate 1/4" thick. Ball bearing at rotating support points. Bolted to wall mounting angles with 1/2" fasteners. Plate supports counterbalance assembly and forms an end enclosure. Supplied on outside of bracket plates are isolating governing mechanisms to control closing of door in the event of a fire or drop test.

**Standard Finish:** Exo-Shield™ powder coat prime grey

**Optional Finish and Material:** Galvanized or Stainless Steel

#### **HOOD HEXAGON (Square or Round OPTIONAL)**

Manufactured from #22 gauge galvanized steel and formed to fit the contour of the brackets. Intermediate supports are used on oversized doors as required to prevent excessive sag.

**Standard Finish:** Galvanized

**Optional Finish & Material:** Prime Painted or Stainless Steel

#### **GUIDES**

Guides are designed using structural steel angles with a minimum thickness of 3/16", expansion slotted connections, and removable bellmount curtain stops to allow for curtain maintenance without removal of the guides. Bellmount stops shall be flush with the guide groove.

**Standard Finish:** Exo-Sheild™ powder coat Prime Grey

**Optional Finish & Material:** Galvanized or Stainless Steel

#### **COUNTERBALANCE ASSEMBLY**

The steel pipe barrel is a size capable of carrying a curtain load with a max. deflection of 0.03" per foot opening width. The helical torsion spring is encased in a barrel designed to require minimum effort to operate the rolling curtain and bottom bar. A Torsion Spring charge wheel is used for applying spring torque and for future adjustments. (cycle options of up to 400,000 cycles, please consult factory)

**Standard Finish:** Black Rust-inhibitor Primer

**Optional Finish & Finish:** Hot Dipped Galvanized or Stainless Steel

#### **OPERATION**

Choice of hand chain, hand-crank, or motor operation. (Please consult Alpine Distributor and/or Factory for proper operation for your application)



### ADDITIONAL FEATURES

#### COVERS

Gear covers and operator covers are required for exterior mounted fire doors or when gears or operators are set below 8' ft in height from floor.

#### LOCKING

Optional padlockable slide locks available for latching and locking the door at the bottom bar. (Motor operated doors utilizing slide locks require Electric Interlocks)

#### SENSING DEVICES

Electrical sensing edge and/or photo-eyes are designed to prevent the door from closing in case of an obstruction. Sensing edges are only available for motor operated doors. *Please See Alpine's Obstruction Sensing Page ([www.alpinedoors.com/ObstructionSensing.htm](http://www.alpinedoors.com/ObstructionSensing.htm))*

#### RELEASE DEVICES

The Fire-Tite doors are automatically closed and are activated by either the alarm system and/or fusible link system. Release devices, battery backup release devices, time delayed release devices, thermal sensors, sounder/strobe devices, voice annunciation system (VAS) and smoke detectors are available for tying fire door into the alarm system. *Please See Alpine's Release Device Page ([www.alpinedoors.com/RediRelease.htm](http://www.alpinedoors.com/RediRelease.htm))*

#### OPERATION STYLE

**HAND CHAIN:** Redi-Reset MC™, Redi-Reset CMX™, Redi-Reset GC™

**HAND CRANK:** Redi-Reset MK™

##### MOTOR OPERATOR:

**Non Fail Safe Model:** Redi-Reset NF™:

- Non fail safe operators will only close in the event of the fusible link system melting and/or in the event that the alarm system is set off.
- Door will remain open when power is lost.
- With no power, door will only closing by the melting or release of the fusible link system.
- With the utilization of a sensing edge, and power is on, the fail safe model is preprogrammed to cycle three times before coming to a full close position if an obstruction is apparent.

**Fail Safe Model:** Redi-Reset FS™

- The fail safe operator will close automatically when power is lost.
- Battery back up system is available and will hold door open in the event of a power outage for up to 24 hours. The battery back up system is most commonly used in areas where power outages are common.
- With the utilization of a sensing edge, and power is on, the fail safe model is preprogrammed to cycle three times before coming to a full close position if an obstruction is apparent.

**Programmable Fail Safe Model:** Redi-Reset FDC™, Redi-Reset FDCL™

Operator can be supplied with battery backup system and a sensing edge, thus having the ability to cycle open then reclose if there is an obstruction in the opening.

*Please See Alpine's Motor Operator Page ([www.alpinedoors.com/Reset\\_Operators.htm](http://www.alpinedoors.com/Reset_Operators.htm))*

**BATTERY BACK UP:** This option is utilized for the, Redi-Reset FDC™, and Redi-Reset FRDCL™ operators and allows the operators to remain open during a power failure for up to 24 hours. Utilizing the battery back up feature also acts as a source of power for thermal sensors, smoke detectors and other warning devices utilized on the fire door.

**ACCESS CONTROLS:** Optional control stations are available as Push Button Control Station or Key Control Stations. Special Control Stations are also available, please consult factory. *Please See Alpine's Access Controls Page ([www.alpinedoors.com/AccessControls.htm](http://www.alpinedoors.com/AccessControls.htm))*

#### FINISHES (Optional)

**Exo-Shield™:** The Powder Coat Finish is available for all of Alpine's Products and are available in over 188 standard colors with the option for custom colors and environmental requirements. *Please See Alpine's Release Device Page ([www.alpinedoors.com/colors\\_standard.htm](http://www.alpinedoors.com/colors_standard.htm))*

**Hot-Dip Galvanizing:** Galvanizing is available for steel components.

**Stainless Steel:** Available in 300 series with options of mill finish #2B, or #4 satin finish.