



### APPLICATION AND USE

ISO 9001 Registered Company

Fire-Tite IMB 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

Designed for a safer, slower, uniform closing speed of approximately six inches per second. All resetting is completed at the floor level with a touch of the "open" button on the control station. Refer to the motor/operator section of the catalog to view and select the Alpine Redi-Reset Operator for your door project.

### 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, Rated 4, 3, 1-1/2, 3/4 or oversized certificate.

#### Classifications:

- 3 hr Rating** - 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.
- 1-1/2 hr Rating** - 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.
- 3/4 hr Rating** - 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.
- 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.

### OTHER RELATED PRODUCTS





### **DOOR CONSTRUCTION**

#### **CURTAIN**

Curtains shall be constructed of 7/8" thick interlocking, roll-formed Insulated Metal Back (IMB) V7 slats. The curtain shall be equipped with a bottom bar consisting of two roll-formed angles measuring a minimum of 2" x 2" x 1/8", one on each side, securely fastened to the bottom of the curtain for reinforcement and to provide contact against the sill when closed. Option: ASTM-240 Stainless Steel 300 Series.

#### **BRACKETS**

Made from steel plate no less than 1/4" thick. Ball bearing at rotating support points. Bolted to guide wall angle extension, supports counterbalance assembly and forms an end enclosure.

#### **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 as required in order to prevent excessive sag. (Option: stainless steel)

#### **GUIDES**

Guides are designed using structural steel angles with a minimum thickness of 3/16", 1 1/4" 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.

#### **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. Option: Stainless steel or hot-dipped galvanized.

#### **OPERATION**

Choice of push-up, hand chain, hand-crank, or motor operation. The door can be activated by a fusible link, a thermal sensor, a fire alarm system or a smoke detector without the need for a mechanical release device system.

#### **LOCKING**

Optional padlockable slide locks available for latching and locking the door on the coil side of the bottom bar. Electric Interlocks required with motorized doors.

#### **FINISHES (Optional)**

Finish on steel to be shop coated primer, except galvanized surfaces. Stainless steel, mill finish #2B, #4 satin, polished or mill finish. Call for color options and finishes

#### **GALVANIZING**

To be applied to the guides, brackets, pipe shafts and gears in addition to the standard specifications. Applied where conditions of extreme or unusual atmospheric contamination is present. In accordance with ASTM: A123.



### 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

Optional electrical or pneumatic sensing edge and/or Photo-Eyes available for motor operated fire doors only.

#### RELEASE DEVICES

The Fire-Tite doors are mechanically closed and are activated by a fusible link system. Release devices, thermal sensors, sounder/strobe devices and smoke detectors are available for tying fire door into the fire alarm system. *Please See Alpine's Release Device Page ([www.alpinedoors.com/release.htm](http://www.alpinedoors.com/release.htm))*

#### MOTOR OPERATORS

Choice of Redi-Master™, Redi-Hoist™, or Redi-Lift™ operators are available for Alpine's Conventional Fire-Tite product lines. *Please See Alpine's Motor Operator Page ([www.alpinedoors.com/motoroperators.htm](http://www.alpinedoors.com/motoroperators.htm))*

**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 Color Selection 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.

with low traffic and infrequent operational demands and requirements compared to other fire door products.

- Initial product cost is price *effective / affordable* for areas that only require the annual testing and resetting process.