



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" x 12'. 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.

APPLICATION AND USE

ISO 9001 Registered Company
 Fire-Tite 3" Curved 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.

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

- These doors provide access control and security protection under normal use and will close automatically in the event of a fire, serving as a fire wall to contain the spread of a fire.
- Conventional design offers a push-up operation product, where Auto Fire-Tite products do not (max. push-up dimension: 10'ft wide x 10'ft high).
- The lowest upfront cost available.

OTHER RELATED PRODUCTS



DOOR CONSTRUCTION

CURTAIN

Curtains shall be constructed of interlocking, roll-formed galvanized steel 3" curved 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 measuring 2"x 2"x 1/8". 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 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 and starter mechanism for activating spring tension release for automatic closing in the event of a fire or drop test.

Standard Finish: Black Rust-inhibitor Primer

Optional Finish & Finish: Hot Dipped Galvanized or Stainless Steel

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)*

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)*

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)*

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)*

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.