Alpine Fire-Storm Doors are widely used in locations where there exists high winds and high levels of storm weather activity. Throughout the Florida Coastline and many other coastal locations the Alpine Fire-Storm doors have proven successful in protecting both people and property from injury due to flying debri.

APPLICATION AND USE
ISO 9001 Registered Company
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THE ALPINE ADVANTAGE AND BENEFIT
- Alpine’s Fire-Storm 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
Alpine Fire-Storm Doors are effective, strong and come in flat interlocking slat designs. Doors can be manually pushed up, hand-crank, hand-chain or motor operated. All operators can be adapted to specific conditions. Slide locks as a standard are provided. Alpine rolling steel doors are durable, sturdy and economical to install and maintain.

OTHER RELATED PRODUCTS
See WIND-TITE / SERV-DAWN in this catalog for larger doors and custom design windload specifications. Programs are designed and reviewed by Professional Engineers.
DOOR CONSTRUCTION

CURTAIN
Constructed of Interlocking, 2 3/4” Flat Slats: Roll-form galvanized steel G90 coating exterior (G60 interior). Structural Quality Grade C (ASTM A653/A653M) in 22 Gauge. Optional Gauges in 20 and 18. (Finish Options: phosphate, baked enamel or powder coated.)

GALVANIZED ENDLOCKS
Hot dipped galvanized cast iron endlocks and windlocks riveted to the ends of every slat, with (4) four, 1/4” rivets.

BOTTOM BAR
Two galvanized steel angles equipped with vinyl weatherstripping which extends into the guides. Standard finish galvanized as per ASTM A 653/A 653 M.

GUIDES
Guides are designed to meet Florida Department Of Community Affairs specifications using structural angles, ASTM A36. For doors up to 12'-0" WIDE X 30'-0" High, wall angle 3 X 2-1/2 X 1/4", inside angle 2-1/2 X 2 X 1/4", outside angle 3 x 3 x 3/16” min, bolt spacing not more than 15” o/c. For door widths 20'-8" to 30'-0" high, wall angle 3-1/2 x 3-1/2 x 7/16” min, inside angle 2-1/2 x 2/-1/2 x 3/8” min, outside angle 4 x 3 x 1/4” min, bolt spacing not more than 9” o/c max. (Option: Vinyl Weather Stripping)

COUNTERBALANCE ASSEMBLY
Steel pipe barrel capable of carrying a curtain load with a maximum deflection of 0.03” per ft. of door width. Heat treated springs encased in a steel pipe and designed to include an overload factor of 25% to ensure minimum effort to operate. A sealed and prelubricated ball bearing is present at the rotating support point. (A torsion spring charge wheel is used for applying spring torque and for future adjustments). Stainless steel or hot dipped galvanized pipe assemblies are available. Option: High Cycle Springs can be designed to satisfy up to 400,000 life cycles.

BRACKETS
Steel plate not less than 1/4” thick with ball bearings at rotating support points. When bolted to the wall the mounting angle supports the counterbalance assembly and forms an end enclosure. (Option: Stop Lock Bearing which prevents the door from free falling in the event of a drive operation failure.

HOOD Hexagon (Option: Square or Round)
#22 ga. galvanized steel is formed to fit the contour of the brackets. Finish Options: phosphate, baked enamel or powder coated.

FASCIA GALVANIZED (OPTIONAL)
Useful where the area behind the hood is open. Especially applicable to pre-engineered buildings.

OPERATION
Available in push-up, hand chain, hand-crank, or motor operation. For other optional features see the motor operations section in this catalog.

LOCKING
Provides padlockable slide locks for latching and locking the door on the coil side of the bottom bar. Electric Interlocks recommended with motorized doors.

FINISH
Slats are prepared with a minimum galvanizing of G-90 (exterior). The hoods are galvanized and other exposed ferrous surfaces are prime painted or powder coated.

GALVANIZING (OPTION)
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)

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.

“We’re Always Rolling™”