



PATENT # 5657805 ®

REDI-STORM

HURRICANE PROTECTION DEVICE
APPROVED MEANS OF EGRESS



APPLICATION AND USE

ISO 9001 Registered Company

Alpine Redi-Storm Doors are highly used throughout the Florida Coastline where there is a high level of storm's and gusty wind conditions specifically during the months of August, September and October.

REDI-STORM LABELING

Label of Florida Department Of Community Affairs Redi-Storm doors with a design pressure of +60 psf & -60 psf, 1.5 Safety factor, 90+/- psf, by Alpine.

TESTING METHOD

Alpine door models Redi-Storm 20, Redi-Storm 16, and Redi-Storm 12 were all tested in accordance with ANSI/ASTM E320-2; ANSI/ASTM E1886-005; Miami-Dade County Protocols PA-201, PA-202, and PA-203.

WindStorm-Rated Assemblies
Redi-Storm 20' - U.L.
Redi-Storm 16' - U.L/Dade
County
Redi-Storm 12' - U.L.
Through 30' High.



Standard Slide Locks

INSTALLATION

*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.

THE ALPINE ADVANTAGE AND BENEFIT

Redi-Storm doors are manufactured by Alpine Overhead Doors, Inc., and are designed for high durability. No matter how large or small the job or how unusual the application, Alpine has a service door that meets your individual specifications. Doors are available in different materials including galvanized, prime painted, stainless steel, and aluminum. Alpine's quality and workmanship are proven throughout the door industry. Our hands-on approach to every job ensures customer satisfaction.

FUNCTIONAL BENEFITS

Alpine Redi-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, roll-formed, 2 3/4" galvanized steel flat slats. G90 coating exterior, G60 coating interior, Structural Quality Grade C, (ASTM A-653/A-653-M) in 21 Gauge. Optional Gauges in 20 and 18. Finish Options: 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 which prevents lateral movement and limits slat deflection of the curtain.

BOTTOM BAR

Two roll-formed galvanized steel angles, as per ASTM A-653/A-653-M, measuring 2"X2"X1/8", equipped with vinyl weatherstripping which extends into the guides.

GUIDES

Guides are designed to meet Florida Department Of Community Affairs specifications using structural steel angles, (ASTM A36) with a minimum thickness of 3/16", and a minimum 1/4" slotted connections with removable bellmouth curtain stops to allow for curtain maintenance without removal of the guides. Option: Vinyl Weather Seals.

COUNTERBALANCE ASSEMBLY

Steel pipe barrel of a size 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.

PIPE SHAFT

A solid shaft with a minimum thickness 1-1/4" for 4" pipe, 1-1/2" for 6" pipe and 1-3/4" for 8" pipe. - (1018 cold rolled round.)

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 end brackets. Finish Options: phosphate, baked enamel or powder coated.

FASCIA GALVANIZED (OPTIONAL)

Useful where the area behind the hood is open. Especially applicable with pre-engineered buildings.

OPERATION

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

LOCKING

Doors are equipped with padlockable slide locks for latching and locking the door on the coil side of the bottom bar. Electric Interlocks recommended for 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.

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.