



900 SERIES STORM DOOR SPECIFICATIONS

Gerkin Windows & Doors' 900 Series Storm Door is a 1 ¼" thick aluminum storm door available in two styles, a Self-Storing style and a Full-View style. Both styles are available in a variety of models and options. Gerkin Windows & Doors manufactures these doors at our plant in South Sioux City, NE to meet or exceed industry specified requirements for storm doors.

GENERAL:

- a: All storm doors shall be 900 Series Storm Door as manufactured by Gerkin Windows & Doors. (Model and options to be determined.)
- b: Furnish aluminum storm or screen doors complete with hardware and related components for complete installation of the door.

MATERIALS:

- a. Extruded aluminum members shall be 6063-T6 alloy and temper.
- b. Corner gusset shall be extruded aluminum with a minimum wall thickness of .080"
- c. All fasteners shall be non-corrosive materials compatible with aluminum.
- d. Doorframe members shall be extruded aluminum with a minimum wall thickness of .050" and with a minimum wall of .062" on the wall the hinges attach to.
- e. Hinges shall be extruded aluminum made of 6063-T6 alloy and temper with self-lubricating nylon bushings and a plated steel pin.
- f. Glass and screen insert frame shall be extruded aluminum with a minimum wall thickness of .050".
- g. Glass glazing boot shall be extruded exterior grade flexible PVC.
- h. Insert hardware shall be a high quality zinc casting.
- i. Insert corner keys and tilt keys shall be a high quality zinc casting
- j. Weather-stripping shall be of wool pile.
- k. Screens shall be 18x16 mesh fiberglass
- l. Glass shall be 1/8" tempered safety glass.
- m. The mullions shall be extruded aluminum and have a minimum wall thickness of .050".
- n. The Z-bar shall be extruded aluminum with a minimum wall thickness of .050" and provides a cover up for the installation screws.
- o. The Sill expander shall be extruded aluminum with a minimum wall thickness of .050". Expander shall have a minimum of two tracks to accept weather seal sweep and must provide a minimum of 1" adjustment to align with the threshold
- p. Doorframe members shall be insulated with an insert of rigid foam insulation.
- q. Kick plate panels shall consist of two .016" thick aluminum alloy sheets, bonded to each side of a 3/16" polyethylene core.
- r. Extruded vinyl profiles shall be an exterior grade PVC

CONSTRUCTION:

- a. Doorframe corner joints shall be mitered and fastened together with a corner gusset and 4 - #10 sheet metal screws.
- b. The mullions shall be anchored to the door stiles with 2 - # 6 sheet metal screws at each end
- c. Hinges shall be a three part hinge, with the 1 - 2 ¾" center hinge leaf interlocking into the edge of the door and held in place with 2 - # 1-sheet metal screws and 2 - 1" wide leaf snapped into the Z-bar frame.
- d. There shall be a minimum of 4 hinges installed on the hinge side Z-bar
- e. Weather-stripping shall be fitted to the grooves in the face of the Z-bar doorstops.
- f. Z-bar jambs to be sent long for field cut to fit. Z-bar header shall be cut to length and tooled to fit the opening and jamb Z-bars.
- g. The glass and screen inserts shall be mitered and be mechanically secured by staking into the corner keys.
- h. Glass shall be secured in the insert frame using a wrap around marine glazing system.
- i. Glass insert frames shall be weather-stripped
- j. Self-Storing style doors, the glass and screen inserts shall be attached to the door stiles with tilt keys and latches by means of sliding into a track locate on each stile
- k. Self-Storing style doors, the operating insert shall slide up and down on its own track to provide various degrees of ventilation.
- l. The kick plate shall be glazed into the doorframe with closed cell foam tape on the exterior side and snap-in vinyl glazing retainer on the interior side.
- m. Full-View style doors, some models the glass is glazed into the door frame with closed cell foam tape on the exterior side and snap-in vinyl glazing retainer on the interior side.
- n. Full-View style doors, some models the glass is secured into an insert frame using a wrap around marine glazing system.
- o. Full-View Style doors, glass inserts are weather-stripped and secured in place with a snap-in vinyl retainer on the interior side.
- p. The sill expander shall be attached to the bottom of the door with 2 - #6 Phillips drive sheet metal screw.

FINISH:

- a: Doors shall be painted using electro statically applied polyester bake enamel.
- b: Self-Storing style doors shall be available in white, bronze, sandstone, and almond colors.
- c: Full-View style doors shall be available in white, bronze, sandstone, almond, green and black colors.

INSTALLATION:

- a: All doors shall be completely cartoned for common carrier shipment.
- b: Each door shall contain an installation kit with all the necessary screws to install.
- c: The kit shall include all pneumatic door closers, wind chains, latch mechanisms, locking mechanisms, and strikers as standard on the particular Gerkin model.
- d: Literature shall be included to describe installation.
- e: Doors are stocked as universal hinged doors, but can be ordered as pre-hung upon request.

Gerkin reserves the right to change these specifications and details without notice.

* Green and Black finish only available on fullview styles.

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