

STEEL COMBINATION STORM DOORS - PREHUNG

PAGE ONE

**GENERAL**

- 1.1 Storm doors are used as an addition to the prime (main) door, introducing energy savings to the dwelling unit. Their use as a substitution for a prime door is not recommended.
- 1.2 Fabricate and supply storm doors complete with glazing, flyscreens, weatherstripping, Z-bars, baked-on powder finish, fully assembled and pre-hung, ready for installation into prepared door openings.

MATERIALS

- 2.1 The master frame shall be 22 gauge combined with .024 glass and screen inserts, roll formed tubular lockseam, G90 hot-dipped galvanized steel.
- 2.2 Glazing, screen spline and doorsweep shall be made of polyvinyl plastic.
- 2.3 Weatherstripping shall be finest grade, resilient, water repellent, mothproof wool felt, wool pile and/or polyvinyl plastic. Rigid and semi-rigid plastics shall be used with weatherstripping to prevent metal to metal contact.
- 2.4 Latch hardware, latch pin, knob and springs shall be made from corrosion resistant materials or finish.
- 2.5 Door shall consist of four hinges of 304 stainless steel leaf and pin, complete with oil lite bearings and sill sweep.

SPECIAL NOTE: Hinges to be of tamper proof type, lefts and rights made of 304 stainless steel.

OPTION: A dead lock - security lock (throw only, no key).
Ideal SK5 mounted flush with no mortising requirement.

- 2.6 Glass shall be clear 3mm tempered float glass.
- 2.7 Screen cloth in standard screen insert shall be 16 x 18 mesh fiberglass.

OPTION: Standard insert available with aluminum or stainless steel wire cloth, 304 h .028 with a tensile strength of not less than 800 lbs.

STEEL COMBINATION STORM DOORS - PREHUNG

PAGE TWO

**MATERIALS** (cont'd.)

2.8 Kick panel shall be 16 or 18 gauge galvanized steel, embossed for rigidity.

2.9 Frame liner (Z-bar) shall be aluminum.
Head liner to contain weatherstripping and built-in drip cap over the door.
Jamb liner (latch side) to contain weatherstripping.
Jamb liner (hinge side) to contain flexible bulb vinyl weatherstripping.

OPTION: Magnetic weatherstripping is available.

3.0 Fastenings to be cadmium or zinc plated steel screws.

CONSTRUCTION

4.1 Master frame shall be of mitered joint construction with 16 gauge internal corner reinforcing and edge brazing. Transom rail shall be notched, suitably reinforced and brazed to the jamb rails at both sides.

4.2 Glass inserts shall be of mitered joint construction and grazed at all exterior corners.

4.3 Screen inserts shall be of mitered joint construction and brazed at all exterior corners.

4.4 Frame liners (Z-bars) to have all installation holes pre-punched and hinges attached.

4.5 Upper glass inserts shall be held in place by a continuous steel head weatherstrip retainer, resting on the integral stop.

Lower glass inserts in series 2700 and 2900 doors and fixed (removable) glass inserts in series 2800 door, shall be held in place by spring activated self-locking latch pins.

Standard screen inserts in series 2700 and 2900 doors are self-storing and are located in line (under) with upper glass inserts. Standard screen insert in series 2800 door is interchangeable with removable glass insert.

OPTION: Stainless steel security screen, fixed (outside mount over entire glass areas).

Main frame of security screen shall be of hot-dipped galvanized 24 gauge steel with lock seam construction and roll formed. Security screen material shall be alloy 304 h stainless steel, a mesh of at least 12 x 12 per inch design and wire of .028. The percentage of open areas shall be no less than 43.6%. Spacing between wire shall be .055. Tensile strength shall be not less than 800 lbs. per linear inch after weaving.

STEEL COMBINATION STORM DOORS - PREHUNG

PAGE THREE



- 4.6 All glass and screen inserts are interchangeable within their series, providing door size and colors are compatible.
- 4.7 KT185 heavy duty hardware kits with Rusco black security installation screen available from manufacturer.

FINISH

- 5.1 All metal parts formed from G90 hot dipped galvanized steel shall be chemically pre-treated to insure proper paint adherence. All aluminum liners (Z-bars) shall receive one coat of baked on primer. All materials shall be finished with electrostatic powder coating, followed by a baking for 30 minutes at 350 degrees Fahrenheit. Color to be selected from manufacturer's standard color range.

OPTION: Custom colors available to match architectural requirements.

GLAZING

- 6.1 All glass shall be bedded in approved sealants and held in place with removable, reusable, laid-in glazing spline.

SCREENING

- 7.1 Screen inserts with fiberglass and aluminum cloth shall be held in place with removable, re-usable, rolled in glazing splines.

PACKAGING

- 8.1 Doors will be carefully packaged using cardboard edge liners and wrapped in polybags.

STEEL COMBINATION STORM DOORS - PREHUNG

PAGE FOUR

**INSTALLATION**

- 9.1 Verify that door openings are satisfactory and ready to accept pre-hung storm doors.
- 9.2 The installer shall securely fasten doors in place in a straight, plumb and level condition, without distortion of the door or door frame and shall make final adjustments for proper operation and satisfactory weathering contact and seal in accordance with manufacturer's instructions.
- 9.3 Clean up properly as the work proceeds and on completion clean up all glass surfaces, touch up marred enameled surfaces, remove all protective materials and dispose of all rubbish and surplus materials resulting from the foregoing work.

GUARANTEE

The entire door, including inserts but exclusive of screening material and glass shall be guaranteed for a period of one (1) year from date of delivery to the site. The guarantee shall cover the entire door against defects in design, material and workmanship. The contractor shall agree to furnish, free of charge, F.O.B. ordering agency any part or parts which must be of a design that will permit installation readily and not require special tools. The contractor agrees to furnish, free of charge, a complete replacement door F.O.B. ordering agency when the defective part or parts cannot be readily installed without the use of special tools.

It is understood that all replacements shall be made by the contractor and the ordering agency will not negotiate with any party other than the contractor to obtain replacements.

The following exceptions shall apply to said warranty:

1. Normal wear and tear
2. Uniform fading of colors
3. Improper maintenance
4. Abuse and carelessness