



STORM DOOR - 300 SERIES HALF-LITE FLUSH PANEL SPECIFICATION SHEET

1. General:

Provide ProVia Aluminum Storm Door, 300 Series Flush Half-Lite with Screen.

2. Description:

An aluminum one-lite storm with a half stucco pattern aluminum reinforced kickpanel manufactured by ProVia. It is a double hollow 1¼" thick aluminum door frame with a reinforced aluminum kickpanel lower section, glass insert and interchangeable screen held in place by color matched clips and rivnuts.

3. Materials:

Door master frame, mullions and insert sections shall be extruded from 6063-T6 aluminum alloy having a tensile strength of 30,000 p.s.i. and a yield strength of at least 25,000 p.s.i., with a minimum wall thickness of .065" for main frame members. The door sweep spline shall be manufactured from polyvinyl chloride plastic or its equal.

All fastening devices incorporated in the product shall be of aluminum, stainless steel or other non-corrosive materials compatible with aluminum. Cadmium or zinc-plated steel, where used, shall be in accordance with ASTM B766 or ASTM B633. Screws, door hardware, etc., shall be supplied to make a complete installation.

Glazing material to meet 16 CFR 1201 Chapter 11 (01-01-2006 Edition) "Safety Standard For Architectural Glazing Material" of the Consumer Product Safety Commission. Tempered glass to be "float" conforming to ASTM C1036 "Specification for Flat Glass."

4. Construction:

The main frame shall be made of double hollow extrusions with a minimum 3⅝" face and 1¼" thickness as standard with the manufacturer. The main frame and mullions shall be provided with grooves which accept a snap-in extruded channel which holds the stainless steel kick panel in place. Main frame members shall be accurately machine cut to form rigidly mitered corner joints. Main frame corners shall have (1) each Molded Corner Gusset with 10-16 x ⅝" #8 Steel Hex Head Screws. Frame corners shall be of double corner key construction with 4 screws in each corner. Mullions to be machined to fit tightly. The bottom of the door shall have an exterior expander channel with grooves to accept 1 to 3 extruded vinyl door sweep depending upon hardware options. Expanders shall be adjustable to extend 1".

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5. Screen:

Screen frame shall be extruded aluminum with .040" nominal wall thickness. Corners shall be firmly joined in a secure workmanship like manner. Frames shall be of sufficient rigidity and cross-braced to prevent excessive bow in frame members and sag in screening.

Standard screen cloth is fiberglass 18 x 16 mesh and shall meet the requirements of ASTM D3656-04. Screen shall be securely held in frame with vinyl or polyethylene spline.

Optional aluminum screen must meet requirements of ANSI/IWS 089 "INSECT WIRE SCREENING".

6. Door Lite Insert:

Door inserts to be of extruded aluminum. Glazing shall be of the wrap around marine type glazing (no metal to glass contact), using 1/8" double strength tempered safety glass. Vinyl glazing channel shall be of one piece and shall tightly hug glass panel in such a way that no measurable air infiltration will occur at edges of glass panel. Material shall be of sufficient quality for re-use when reglazing becomes necessary.

7. Kick panel:

Kick panel to be of .025" thick aluminum stucco with Schnee-Morehead™ glazing compound and held in place with an extruded aluminum bead that snaps into grooves in the door frame. Kick panel consists of 3-ply construction: one (1) .025" thick aluminum stucco embossed outer skin, one (1) .025" thick aluminum stucco embossed inside skin and one (1) .250" thick tempered Masonite™ hardboard core with an overall thickness of 5/16". Optional pet door application is available.

8. "Z"-Bar:

"Z"-Bar shall be of extruded aluminum of .045" thickness with a weatherstrip groove to receive woolpile weatherstripping to seal against weather, dust infiltration and noise. The head frame shall be designed and extruded to function as a drip cap over the top of the door. Hinges to be attached to the "Z"-Bar. Exterior installation screws are hidden by the snap-on screw cover on the "Z"-Bar.



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9. Hinges:

Each door is to be supported by no less than four (4) integral leaf hinges of not less than 4" in length utilizing the raised knuckle of the extruded "Z"-Bar to receive an extruded aluminum hinge leaf. They will be joined to the knuckle by two plated steel pins pivoting in four Oilite™ brass bushings. The two (2) pins are held securely in place by a plated steel compression spring.

10. Hardware:

Door is supplied with a complete hardware kit which includes: black contemporary curve lever handle set with separate deadbolt, heavy duty door closer, and safety chain.

11. Finish:

To be selected from ProVia's sixteen (16) available colors:

Snow Mist White, Cafe' Cream, Tudor Brown, Rustic Bronze, Chateau, Sterling Grey, Sandpiper Beige, Coal Black, Sandstone, Clay, Mountain Berry (Red), Geneva Blue, Forest Green, Primrose Yellow, Vallis Red and Enzian Blue.

Finish to be ProVia's factory applied baked enamel, meeting AAMA standard 2603-02 for organic finishes on aluminum. ProVia uses a baked on enamel, Polycron III finish.

12. Dimensions:

Main frame shall have a width across the flat surface of 3⁵/₈" with a thickness of 1¹/₄" and wall thickness of .065". Insert frame and inserts to have wall thickness of .040". Expanders have a wall thickness of .050" with a depth of 1¹/₂". "Z"- Bar wall thickness is .045" with a side flange width for bearing against the door buck with a 1" return for Western Style "Z"-Bar or 3/4" for Eastern style "Z"-Bar.