



STORM DOOR - 100 SERIES ONE-LITE SPECIFICATION SHEET

1. General:

Provide ProVia Aluminum Storm Door 100 Series with optional glass sash and ventilated kick panel.

2. Description:

An aluminum screen door with a DuraGuard screen and optional removable glass sash, ventilated kick panel or removable glass sash for kick panel that is manufactured by ProVia. It is a double hollow 1¼" thick aluminum door with a 3⅝" face.

3. Materials:

Door master frame, mullions and 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.

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. 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. The bottom of the door shall have an exterior expander channel with grooves to accept 1 to 3 extruded vinyl door sweeps depending upon hardware option. Expanders shall be adjustable to extend 1".

5. Screen:

Stainless steel wire screen of .023" gauge high tensile wire. Wire finish to be black. Wire to be held in place by an extruded aluminum retainer with screws placed on 3" centers. All screws to be concealed by a snap cover. Model 096-GV has screen in kickpanel area and in top.

6. Kick panel:

Reinforced kick panel consists of 3-ply construction consists of two (2) .030" thick embossed aluminum skin and one .250" thick tempered Masonite™ hardboard core with an extruded aluminum bead that snaps into grooves in the door frame. Optional screen and sash are in place of the masonite® kickpanel product.

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7. “Z”-Bar:

“Z” Bar shall be of extruded aluminum of .045" thickness with a weather-strip groove to receive woolpile weather-stripping 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.

8. 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 pins are held securely in place by a plated steel compression spring.

9. Hardware:

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

10. 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.

11. Dimensions:

Main frame shall have a width across the flat of 3⁵/₈" with a thickness of 1¹/₄" and wall thickness of .065". 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.

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