

# **SPECIFICATIONS**

## **Series 8005 Patio Door**

### **1.1 GENERAL**

**1.1.1. Scope.** All the vinyl windows of types and sizes shown in the plans and/or called for in this specification shall be as manufactured by MGM INDUSTRIES Hendersonville, Tennessee.

**1.2.1. Classification:** Shall conform to AAMA/WDMA/CSA 101/I.S.2/A440-05 SGD-R35 (6068)

### **1.2 MATERIALS**

**1.2.1. Profiles.** Main frame and sash components shall be constructed of extruded, high-impact-resistant and UV-stabilized, rigid polyvinyl chloride (PVC). Main Frame members shall be of multi-chambered design.

Main frame shall incorporate extruded "T" slots designed for housing weather stripping. Sill shall be extruded aluminum 6063-T-5 thermally broke. Sill shall also incorporate a high rise water dam.

**1.2.2. Thickness.** Typical wall for extruded frame and sash members shall be .062" or as indicated on the individual extrusion die drawings.

**1.2.3. Fasteners.** All screws and fastening devices shall be coated with Zinc or Cadmium in conformance with ASTM B 633-85 (1994) and /or ASTM B 766-86 (1993).

**1.2.4. Glass and Glazing.** Stationary and Moving panels members are of extruded PVC members are mitered cut and fusion-welded. Wet glazed with Silicone and drive in glazing bead. The glass is overall 3/4 inch thick sealed insulating unit, using warm edge spacer technology.

**1.2.5. Weather-stripping.** All door gaps between main frame and sash members shall be weather-stripped to prevent air infiltration. Weather-strip shall be a poly pile type with an integral polyethylene fin and shall conform to AAMA 701-92 and 702-92.

**1.2.6. Finish.** All door members shall have an integral white or beige color throughout the profile. Aluminum Sill shall be electrostatic applied paint.

**1.2.7. Hardware.** All hardware components that come in contact with PVC shall be non-corrosive material.

### **1.3 SCREEN**

**1.3.1. Screen.** All screens shall be a half door type sufficient to cover the opening. Screen frames are 1/2 x 1 5/8 inch roll formed steel. Screen fabric shall be 18 x 16 fiberglass mesh.

### **1.4 CONSTRUCTION**

**1.4.1 Assembly.** Main frame shall have a 4 9/16" frame depth to the nailing fin and shall be 6" overall. Main frame shall incorporate an integral 180 brick-mold type J-channel siding pocket. Main frame head to jamb shall be miter-cut and fusion-welded. Main frame head and jamb shall have a 1 3/16" pre-punched nail fin. Jamb to Sill shall be cut, processed and mechanically fastened to a 5 degree slope sill. Sill to Jamb weather-seal shall be a closed cell foam pad and a approved sealant used for a water tight joint.

Moving and Stationary panels shall be field reversible. Moving panel shall employ an adjustable wheel housing having brass bearing for durability an ease of operation. Set stationary panel on a continuous extruded pedestal, weep for water drainage.