



Fiberglass Sliding Patio Door - Product Summary

PRODUCT Fiberglass Sliding Patio Door frame and panels glazed with selected X25 Series Alpenglass™ glass package. Main frame depth is 5-3/4". 2-panel and 3-panel doors are tested per AAMA/WDMA/CSA 101/I.S.2/A440-08. Performance varies due to size and number of panels.

MATERIALS All frame and panel profiles are made from heavy gauge fiberglass reinforced polymer (FRP) pultruded fiberglass, having a nominal wall thickness of 0.090" with glass content of 60% or greater. Non-structural accessory members are permitted to be in vinyl or aluminum and are identified as such.

CONSTRUCTION Operable and Fixed panel corners are mitered and joined by screws fastened into specially designed injection molded nylon corner keys. Each mitered corner is sealed at the time of assembly with high performance sealant. Head, jamb, and frame members are machined to be joined at each corner with large diameter screws fastened into specially designed corner blocks at the head. At the sill end a continuous composite substrate provides additional strength and easy installation. Additional composite blocks in the head and jamb are located at the installation screw locations to provide additional strength. Sill is designed for positive water drainage. The sill to jamb corners are sealed with a foam gasket to prevent water leakage. Door frames are supplied knocked down for field assembly. [Factory Assembly is available for two panel doors at additional cost.]

FINISH All exposed surfaces are coated with a durable acrylic urethane top coat. Color is on the interior and exterior. Alpen Windows™ 14 standard colors – see window Data Sheets for selection. Custom colors and split finish are available at additional cost. An optional unfinished oak veneer is available at additional cost. Split finish and custom colors are available at additional cost.

WEATHERSTRIPPING Polypropylene fin-seal weatherstrip on the frame head, sill and jamb is used to seal the door frame to the panels around the frame perimeter. The interlock is double weatherstripped by means of a vinyl weatherstrip adaptor on the sliding and fixed panel of the door.

GLASS All glass to be *super* insulating, 99.5% UV blocking, Alpenglass with suspended coated film and a minimum 90% argon gas. (krypton on 725 and 925 Series) Units shall be hermetically sealed; IGCC certified and shall comply with ASTM E2190, Class CBA. Glass shall include dual seal edge seals for strength and performance. Glass is glazed from the interior with an interior color matched stop.

HARDWARE Sliding panel is equipped with two steel tandem, sealed ball bearing, adjustable rollers at the bottom of the panel. [Stainless Steel rollers are available at additional cost.] Heavy die cast handle with adjustable two-point mortise latch and flush mount steel keeper mounted to the frame jamb. Operating handles are finished in a high performance powder coat finish on the interior and exterior in White, Black or Chestnut. (Split finish is not an option.) Optional Metal Finishes of Oil Rubbed Bronze, Bright Brass, Antique Brass and Satin Nickel are available at additional cost. Exterior keyed cylinder lock with interior thumb turn - standard.

INSECT SCREENS Extruded tubular frame with fiberglass screen mesh held in place by vinyl spline. Spring-loaded rollers are adjustable and mounted at each end of the top and bottom rail of the screen. Screens are weatherstripped at the meeting rail to seal against the panel.

INSTALLATION Shall be performed by experienced installers in accordance with manufacturer's instructions and per AAMA recommendations. Window shall be plumb, level and square after installation is complete and sealed to both interior and exterior walls with a high quality sealant around the perimeter of the frame. If perimeter cavity is to be foamed, additional anchorage may be required to prevent bowing. It shall be the responsibility of the installers to make all necessary final adjustments to insure smooth operation.

MAINTENANCE To maintain performance and ease of operation, clean glass, frames and fly screen, vacuum weather-stripping and sill. Lubricate hardware only with silicone spray, a minimum of every six months. Adjust rollers wheels to center clearance and ease operation.