

**COMFORT LINE
HORIZONTAL SLIDER SPECIFICATIONS
8020 SERIES FIBERGLASS WINDOW**

General Description:

Fiberglass horizontal sliding windows shall be Series 8020 Horizontal Sliding Windows as manufactured by Comfort Line, Inc. Toledo, Ohio. The frame and sash shall be pultruded fiberglass with a main frame depth of 3 1/4". The sliding window shall meet or exceed the requirements for ANSI/AAMA/NWDA 101/I.S.2 HS-LC25 or HS-C30 performance requirements. Windows shall be of the size and type shown on the drawings.

Fiberglass:

Fiber-Frame Windows shall be constructed from specially designed heavy-gauge pultruded sections of specially formulated fiberglass composite materials in accordance with Comfort Line, Inc. engineering standards and drawings with a nominal wall thickness of .090".

Frame:

Head, jamb and sill members are machined and joined at each corner with large diameter screws fastened into specially designed composite corner blocks. The main frame sill is machined with exterior weep slots to provide positive water drainage. The sill to jamb corners are sealed with a foam gasket to prevent water leakage.

Sash:

All sash are miter cut and joined by screws fastened into specially designed injection molded nylon corner keys. Each mitered corner is sealed at time of assembly with a high performance sealant. All sash members are of a tubular or hollow design as required and shown on Comfort Line, Inc. engineering standards drawings. Zinc die cast locks and keepers at locking positions are color matched to window color, optional brass plated locks and keepers are available. Zinc die cast handles are color matched and located on each sash for easy opening. The sash rolls on steel ball bearing rollers located at each bottom corner of the sash. The interlock on both sash runs the full height, which reduces air infiltration and enhances the structural strength of the unit.

Weatherstripping:

Dense polypropylene fin-seal weatherstripping on the sash and frame provide a continuous seal around each sash.

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Glazing:

Windows to be glazed with 7/8" insulated glass made with DSB glass. A high performance spacer for maximum thermal performance separates each insulated unit. Glass shall be set into sash using a high performance silicone back bedding and exterior glazing beads color matched to window exterior finish. Windows that are glazed with Low E Argon glass will be labeled for NFRC and Energy Star compliance.

Finish:

All fiberglass sections are coated with a high performance two-component polyurethane enamel finish in accordance with AAMA 623-07 (Voluntary Specification, Performance Requirements and Test Procedures for Organic Coatings on Fiber Reinforced Thermoset Profiles). Total dry-film thickness on exposed surfaces shall be a minimum of 20 microns (.8 mil) total film thickness. Paint shall be Polane S Plus, as manufactured by Sherwin Williams Coatings. Color shall be white, almond, cobblestone or dark bronze as selected by the architect or owner. An optional oak veneer interior finish is available at additional cost. Two-tone finishes and custom colors are available at additional cost.

Screen:

Frames to be roll formed aluminum, fitted with re-wireable fiberglass screen cloth held in place by a vinyl spline. Standard full screen is held in place by 2 fixed butterfly clips at the head and 2 rotating butterfly clips, 1 on each jamb, for easy removal of the screen.

Erection:

All units to be erected in prepared openings by others. Frames must be securely fastened, set plumb and level without twisting, bowing or springing. Caulk unit on exterior with a high-grade caulk to assure a water and air tight installation.

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