

**COMFORT LINE
AWNING WINDOW SPECIFICATIONS
2100 SERIES FIBERGLASS WINDOWS**

General Description:

Fiberglass awning windows shall be Fiber-Frame Awning 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 awning window shall meet or exceed the requirements for AAMA/WDMA/CSA 101/I.S.2 AP-C50 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 .080".

Frame:

Head, jamb and sill members are miter cut to be joined at each corner with large diameter screws fastened into injection molded PBT corner keys. Each mitered corner is internally sealed at time of assembly with a high performance sealant.

Sash:

The sash is miter cut and joined by screws fastened into specially designed injection molded PBT corner keys. Each mitered corner is internally 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.

Hardware:

A heavy-duty scissor arm operator, concealed e-gard steel hinges and dual single-point locks are used for operating and locking the sash.

Weatherstripping:

Double weatherstripping on frame and single weatherstripping on sash forms a weather-tight seal using a high-performance vinyl coated foam filled profile.

Glazing:

Windows to be glazed with 1" insulated glass made with DSB glass. Each insulated unit is separated by a high performance spacer for maximum thermal performance. Glass shall be set into sash using a high performance silicone back bedding and interior glazing beads color matched to window interior finish. Windows that are glazed with Low E Argon glass will be labeled for NFRC and Energy Star compliance.

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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. Screens shall be held in place with 4 butterfly clips on jambs of 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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