



ACCURATE DORWIN Single Hung Window Specifications 325 Series Fiberglass Windows

General Description: Fiberglass single Hung windows shall be Accurate Dorwin Single Hung windows as manufactured by Accurate Dorwin Winnipeg, Manitoba. The frame shall be pultruded fiberglass with a main frame depth of 3 1/4". The Single Hung window shall meet or exceed the requirements for AAMA/WDMA/CSA 101/I.S.2/A440-11, NAFS 2011 performance requirements. Windows shall be of the size and type shown on the drawings.

Scope of Work: Provide Fiberglass Windows and related accessories as shown on the Construction Drawings and Schedules. Manufacturer to furnish as built Shop drawings for Architect's Approval. Coordinate all work with General Contractor or Subcontractor furnishing the installation labour.

Section Includes: Accurate Dorwin's fiberglass window products (box units), including optional brick mould, brick mould extensions, decorative panning, jamb, header and sill liners, including glass and glazing at window manufacturer's factory**, window installation hardware and accessories. (**For Safety and/or Logistical reasons; Factory glazing may depend on the size and weight of the glass and/or location of the window. Such instances will be indicated on Shop Drawings or written agreement with the General Contractor prior to manufacture date.)

Fiberglass: Accurate Dorwin fiberglass windows shall be constructed from specially designed heavy gauge pultruded sections of specially formulated fiberglass composite materials in accordance with Accurate Dorwin engineering standards and drawings of a nominal wall thickness of approximately 0.90".

Frame: Head, jamb and sill members are miter cut to be joined at each corner with large diameter screws fasten into glass reinforced nylon foam filled corner key. Each mitered corner is internally sealed at time of assembly with a high performance sealant. The "closed-back" frame is to be insulated with expanded polystyrene insulation.

Frame: The top and bottom sashes 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 Accurate Dorwin 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 at the bottom sash for easy opening. Bottom sash will be counter balanced with a tilt-type spiral balance system that will hold the panel stationary at any point for its full range of travel. Bottom sash shall tilt-in for easy cleaning by compressing two semi-concealed tilt latches mounted on the top of each sash. The interlock used on the top and bottom sash runs the full width, which reduces air infiltration and enhances the structural strength of the unit

Glazing: The glass sits on shims and is held in place by a removable exterior aluminum glass stop. Double sided foam tape on the interior and a thermoplastic rubber gasket on the exterior assist in securing the glass.

Glass: Glass type and thickness shall be a minimum 1/8" [3mm] or better as required by governing Building Codes, Current Standards, or Wind Load Design Pressure Requirements. The insulating glass conforms to CAN/CSGB-12.8-M90. Minimum glass thickness is 3mm or 1/8" (double strength). Both double glazing (22mm or ¾" overall thickness) and triple glazing (37mm or 1 5/16" overall thickness) are available. Each insulated sealed unit is separated by a high performance spacer for maximum thermal performance.

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 one of Accurate Dorwin's standard colours or an optional color as selected by the architect or owner. An optional oak or fir 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.

Contact Accurate Dorwin Company at 1-888-982-4640 for any additional information.

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