

1000 Series – (1") Architectural Guide Specifications

SECTION:

8520 - Aluminum Windows
8600 - Wood Windows

PART 1 - GENERAL

Paragraph 2 - Window Components
Sub-Paragraph
-Venetian Blinds

Headrail

Headrail shall be 1.085" wide x .875" high x .050" thick 6063-T5 extruded aluminum with a baked-on polyester powder coat finish conforming to AAMA specification #603.8-1985 voluntary specification for organic coatings on architectural extrusions.

Bottomrail

Bottomrail shall be 1.000" wide x .375" high x .050" thick 6063-T5 extruded aluminum with a baked-on polyester powder coat finish conforming to AAMA specification #603.8-1985 voluntary specification for organic coatings on architectural extrusions.

Slat Stock

Slat shall be .008" thick virgin aluminum alloy. Slats to be finished with organic primer and baked-on enamel finish coat to withstand 500 hours of exposure to 100% relative humidity, 300 hours at 20% salt spray solution at 95°F, and 250 hours of accelerated weathering without blistering, fading, or corroding. Color to be from standard color chart as selected by the architect.

Ladder Cord

Shall consist of braided synthetic yarn designed to have maximum flexibility and tensile strength. Ladder cord locations shall not exceed 6" from the end of the slat or 24" apart.

Ladder/Tape Drum Support

Ladder/Tape Drum Support shall be constructed of plastic material to prevent corrosion. All lift cords shall be guided by the Ladder/Tape Drum Support over a plated steel pin assembly to minimize wear on the lift cords and facilitate the operation of raising and lowering the blind. Routing the lift cords over a plastic surface shall not be allowed. Ladder/Tape Drum supports shall be held in place by a snap-on clip to ensure that they are firmly secured in position.

Lift Cord

Consists of braided synthetic yarn with a minimum tensile strength of 130 lbs. Lift cords shall be securely fastened to the bottomrail at a distance not to exceed 48" between cords. Standard lift cord shall have a zinc plated steel lift ring at the end to secure the blind in the "up" position during shipment of windows. Ring diameter shall not exceed .875". Lift cord shall run over a .187" diameter zinc plated steel pin in the headrail end cap to minimize wear on the cord and headrail end cap.

Mounting Hardware

Standard mounting shall be accomplished using a 33% glass filled nylon mounting clip designed to match the profile of the headrail allowing the headrail to be "snapped" into place, and be removable.

Optional methods of installation to be a punched and dimpled hole in the headrail, or offset snap-in clip.

Tilt Control Knob

Standard tilt control knob shall be a maximum diameter of .500" with serrations around its perimeter to facilitate operation. Tilt knob shall be designed to be fastened to the window using #10 pan head or #8 truss head fasteners.

Many other tilt knob options also available.

Flexible Cables

Flexible cable operators shall be constructed using brass or bronze coated high tensile steel wire wound in four layers to an outside diameter of .130". Brass fittings on the ends of the flexible cables shall not be less than .3125" in diameter. All fittings shall be crimped in six locations onto flexible cables to insure that the fittings will not work loose from the end of the cable under normal use conditions. Exposed cable shall be sheathed in .015" thick weatherstrip grade vinyl. Cables attach to D-shaped steel control rod using #4-40 stainless steel set screws. Standard length of finished cables shall be 6".

Optional fiberglass reinforced cable fittings which are molded directly onto the flexible cables can be specified so that jamb rods can be installed without the use of set screws.

Slip Mechanism

Blind shall be designed with a slip mechanism which will minimize damage due to over tilting the blind. When the blind reaches its closed position and the tilt knob is turned, there will be no damage to the blind or its operational hardware.

The slip mechanism shall be accomplished by utilizing a 33% glass filled nylon tape drum assembly which will minimize discoloration of the ladder cord during long term operation.

Tilt Rod Assembly

The spring loaded tilt assembly within the headrail shall be designed to allow approximately 1" lateral movement of the tilt rod away from the control end of the headrail.

Tape Spacers

Clear plastic spacers shall be used on the top slat at all ladder locations to insure proper tilting and alignment of the blind. Clear plastic injection molded tape spacers shall be used to eliminate scratches on the headrail and the second slat.

Continued efforts in product improvement may change specifications.

625 Series – (5/8") Architectural Guide Specifications

SECTION:

8520 - Aluminum Windows
8600 - Wood Windows

PART 1 - GENERAL

Paragraph 2 - Window Components
Sub-Paragraph
-Venetian Blinds

Headrail

Headrail shall be .625" wide x .650" high x .050" thick 6063-T5 extruded aluminum with a baked-on polyester powder coat finishing conforming to AAMA specification #603.8-1985 voluntary specification for organic coatings on architectural extrusions.

Bottomrail

Bottomrail shall be .625" wide x .375" high x .050" thick 6063-T5 extruded aluminum with a baked-on polyester powder coat finish conforming to AAMA specification #603.8-1985 voluntary specification for organic coatings on architectural extrusions.

Slat Stock

Slat shall be .006" thick virgin aluminum alloy. Slats to be finished with organic primer and baked-on enamel finish coat to withstand 500 hours of exposure to 100% relative humidity, 300 hours at 20% salt spray solution at 95°F, and 250 hours of accelerated weathering without blistering, fading, or corroding. Color to be from standard color chart as selected by the architect.

Ladder Cord

Shall consist of braided synthetic yarn designed to have maximum flexibility and tensile strength. Ladder cord locations shall not exceed 5" from the end of the slat or 16" apart.

Ladder/Tape Drum Support

Ladder/Tape Drum Support shall be constructed of plastic material to prevent corrosion. All lift cords shall be guided by the Ladder/Tape Drum Support over a plated steel cord pin assembly to minimize wear on the lift cords and facilitate the operation of raising and lowering the blind. Routing the lift cords over a plastic surface shall not be allowed.

Lift Cord

Consists of braided synthetic yarn with a minimum tensile strength of 130 lbs. Lift cords shall be securely fastened to the bottomrail at a distance not to exceed 32" on blinds larger than 15 square feet and 48" on blinds smaller than 15 square feet. Standard lift cord shall have a zinc plated steel lift ring at the end to secure the blind in the "up" position during shipment of windows. Ring diameter shall not exceed .682". Lift cord shall run through a .225" inside diameter plated steel eyelet in the headrail end cap to minimize wear on the cord and headrail end cap.

Mounting Hardware

Standard mounting shall be accomplished using a 33% glass filled nylon mounting clip designed to match the profile of the headrail allowing the headrail to be "snapped" into place, and be removable.

Tilt Control Knob

Standard tilt control knob shall be a maximum diameter of .500" with serrations around its perimeter to facilitate operation. Tilt knob shall be designed to be fastened to the window using #10 pan head or #8 truss head fasteners.

Many other tilt knob options also available.

Flexible Cables

Flexible cable operators shall be constructed using brass or bronze coated high tensile steel wire wound in four layers to an outside diameter of .130". Brass fittings on the ends of the flexible cables shall not be less than .3125" in diameter. All fittings shall be crimped in six locations onto flexible cables to insure that the fittings will not work loose from the end of the cable under normal use conditions. Exposed cable shall be sheathed in .015" thick weatherstrip grade vinyl. Cables attach to D-shaped steel control rod using #4-40 stainless steel set screws. Standard length of finished cables shall be 6".

Optional fiberglass reinforced cable fittings which are molded directly onto the flexible cables can be specified so that jamb rods can be installed without the use of set screws.

Slip Mechanism

Blind shall be designed with a slip mechanism which will minimize damage due to over tilting the blind. When the blind reaches its closed position and the tilt knob is turned, there will be no damage to the blind or its operational hardware.

The slip mechanism shall be accomplished by utilizing a 33% glass filled nylon tape drum assembly which will minimize discoloration of the ladder cord during long term operation.

Tilt Rod Assembly

The spring-loaded tilt rod assembly within the headrail shall be designed to allow approximately 1" lateral movement of the tilt rod away from the control end of the headrail.

Tape Spacers

Clear plastic tape spacers shall be used on the top slat at all ladder locations to insure proper tilting and alignment of the blind. Clear plastic injection molded tape spacers shall be used to eliminate scratches on the headrail and the second slat.

Continued efforts in product improvement may change specifications.