TECHNICAL SPECIFICATIONS

IN BETWEEN GLASS ALUMINIUM VENETIANS

features and benefits

- large colour range in a variety of finishes
- superior coated coil for longevity and durability
- choice of operating systems

Applications

Hunter Douglas Commercial In Between Glass Aluminium Venetian Blinds have a well earned reputation for technical reliability and durable construction. Designed to be inserted into double glazed windows, In Between Glass Aluminium Venetian Blinds are operated with an external control knob which operates the tilt mechanism an external or internal option for controlling the raising mechanism. In Between Glass Aluminium Venetian Blinds can be motorised with your choice of tilt or tilt and raise motorisation. This enables you to control the light and privacy, view the mood of your room, at the touch of a button.

Colour Range

The colour range is the most extensive in Australia. Over 50 colours plus 5 colours in perforated slat and 2 colours in THERMOSTOP® Slat. Custom colours are available for large quantities and with sufficient lead time.

Durability

Manually operated products have been cycle tested to ensure longevity.

Energy Benefits

In Between Glass Aluminium Venetian Blinds are effective reflectors of heat, in light and metallic colours. Automated Venetian Blinds can be connected to building management systems for optimal control of air conditioning loads and comfort of the building occupants.

Environmental Benefits

Adjustable light control function means that the use of natural light in the workplace can be maximised.

Quality

Hunter Douglas Limited, the supplier of In Between Glass Aluminium Venetian Blind components, is a quality endorsed company, certified as complying with the requirements of AS/NZS ISO 9001:2000.

Tilt Control Option Assembly
Made of molded acetal the control knob is screwed into the sill, jam or sash and connected via a tilt rod to the connecting cable. It is used to control the tilt of the blind's slat. Inside the unit are the adjustable limit stops. The control knob attaches to a die cast zinc spindle via PVC coated flexible cable and terminates at a connecting sleeve. This connecting sleeve mates precisely with the vertical connecting rod.

End Piece (Internal Cord Raise Only)
The end piece is a molded plastic fitting for the headrail incorporating a roller over which the lift cords change direction.

Connecting Cable
The connecting cable joins the control knob to the tilt rod mechanism. The cable is sheathed within the PVC tube except for a section which runs in a bearing block used to control its location.

Cord Guide (External Cord Raise Only)
A molded plastic escutcheon with a hole for a screw or rivet to attach the guide to a flat surface. It should be provided with a flexible spring conduit to guide the cords from the blind to the surface of the window.

Part One - General

Scope
SUPPLIER: Finish and install Hunter Douglas Commercial In Between Glass Aluminium Venetian Blinds (Premium Quality).

Submittals
PRODUCT DATA: Manufacturer's descriptive literature shall be submitted indicating materials, finishes, construction and installation instructions and verifying that product meets requirements specified. Manufacturer's recommendations for maintenance and cleaning shall be included.

Delivery, Storage and Handling
Product shall be delivered to site in manufacturer's original packaging. Product shall be handled and stored to prevent damage to materials, finishes and operating mechanisms.

Job Conditions
Prior to shade installation, building shall be enclosed. Interior temperature shall be maintained between 15°C and 32°C during and after installation; relative humidity shall not exceed 80%. Wet work shall be complete and dry.

Warranty
5 year Commercial Warranty for specified products. See warranty for details.

Part Two - Product

In Between Glass Aluminium Venetian Blinds Acceptable Manufacturer:
Hunter Douglas Commercial
338 Victoria Road, Rydalmere NSW 2116
Telephone: 1300 733 078
Website: www.hunterdouglascommercial.com.au

Visible Components
All visible components shall be colour matched or co-ordinated with the slat or else will be translucent.

Slats
Slats shall be made from high tensile aluminium coilstock and be 25mm wide and a minimum of 0.19mm thick before coating. The coilstock shall undergo a thermal process, to produce optimum mechanical and resilience properties. The crowned coilstock shall withstand bending through 180 degrees, over a mandrel of radius 12.5mm, without incurring permanent deformation. The paint formulation will be a thermosetting polyester coating over a chromate conversion coating and shall at all times conform to rigid quality standards. The paint thickness shall be 12 +/- microns and shall conform to colour standards defined in ASTM D2244. The cord routs shall be punched in an off-centred configuration to optimise closure.

Slat Support
Braided ladders of 100% polyester yarn colour compatible with slats and spacing of ladder no more than 20mm.

Headrail
Shall be of channel section measuring 26mm wide and 19mm deep and rolled from pre-coated 0.5mm aluminum-zinc alloy coated steel finished in a thermosetting polyester coating over a chromated primer. Hardware shall be made to rigid specifications and where visible shall be molded in translucent engineering grade plastics.

Bottomrail
Shall be a 'D' shaped lock-seamed tubular section measuring 22.5mm x 10mm and roll-formed from 0.5mm aluminum-zinc alloy coated steel finished in a thermosetting polyester coating over a chromated primer.

Lifting Mechanism
Crashproof steel cordlocks with corrosion-resistant finish, two-ply polyester cord filler in braided polyester jacket lift cords, cord equalizers, cordlock adapter, and Break-Thru Safety Tassel. Located on either side of individual blind unit as per architect's request.

Tilting Mechanism
Shall incorporate a precision molded worm shaft and gear, contained within a housing, to ensure smooth operation.

Tilt Rod
3mm Hexagon tilt shaft.

Tilt Control Wand
Tubular shaped 7/16" diameter extruded clear plastic, ribbed for positive grip and detachable without tools. Located on either side of individual blind unit as per architect's request.

Tilt Stop
Shall be fitted to the tilt rod to limit tilt rod rotation at full closure positions.

Mounting Hardware
End mounting brackets shall be colour-matched molded ABS material and fitted with a hinged front face for ease in installing and removing the blind.

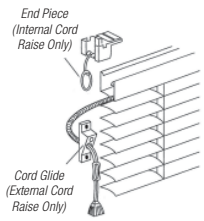
Stringtape
Shall be of 2-ply ladder construction and woven from polyester fibre to rigid specifications. The pitch of the tape allows 4mm of slat overlap for micro-shades and 5mm of slat overlap for slimline shades, producing optimum closure.

Polyester Cord
Shall be 1.5mm diameter, comprising a core and braided jacket. It is specifically designed and constructed to operate with the cordlock. The cord shall have a breaking load of no less than 400 Newtons.

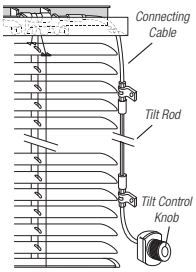
Cordlock
Shall be manufactured from polycarbonate, incorporating a stainless steel wear plate and nickel-plated brass cord rollers for durable performance. A cord-separating pin shall prevent cords from twisting in the cordlock.

Intermediate Installation Brackets
Shall be made from glass-reinforced nylon or be of pressed steel construction finished in clear passivated zinc plate and be suitable for either face or top mounting.

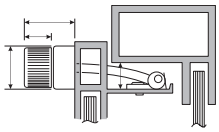
Cord Raise Options



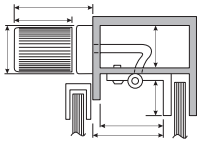
Tilt Mechanism



Controls on hinged frame



Controls on fixed mullion



NOTE: In Between Glass Aluminium Venetian Blinds results are based on European testing that has not been confirmed in Australia. Please consult your local reseller for more information.