

# TECHNICAL SPECIFICATIONS

## 16mm + 25mm ALUMINIUM VENETIANS

### features and benefits

- Hunter Douglas Commercial Aluminium Venetian Blinds have a well earned reputation for technical reliability and durable construction
- highly functional and decorative
- uses the best materials, aluminium alloys and paint systems in conjunction with automated assembly methods to manufacture a product that represents true value for money
- large range of neutral and new season designer colours
- superior coated coil for longevity and durability
- available in 16mm micro, 25mm standard venetian and perforated options

### Applications

- Internal installation where heat, light and/or privacy control are required.
- In between double glazing panes.
- Partition walls.
- Rectangular and special shaped windows.
- Automated operation.
- All parts of buildings requiring fire retardant materials.

### Colour Range

The colour range is the most extensive in Australia. Over 50 colours plus 5 colours in perforated 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

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. Perforated Venetian Blinds provide shading while allowing the building occupants a view to the outside, reducing the feeling of disconnection from the outside world.

### Fire Retardant

Aluminium Venetian Blinds comply with the General Requirements of the Building Code of Australia for Fire Hazard properties of materials in buildings.

### Quality

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

To see how Hunter Douglas Commercial Window Coverings can transform your next project call **1300 733 078**.

[www.hunterdouglascommercial.com.au](http://www.hunterdouglascommercial.com.au)

**HunterDouglasCommercial**

WINDOW COVERINGS

## Part One - General

### Scope

SUPPLIER: Furnish and install 16mm or 25mm Horizontal Aluminium 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.

## Part Two - Product

### 16mm + 25mm Aluminium Venetian Blinds Acceptable Manufacturer:

#### Hunter Douglas Commercial

338 Victoria Road, Rydalmere NSW 2116

Telephone: 1300 733 078

Website: [www.hunterdouglascommercial.com.au](http://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 16mm or 25mm wide and a minimum of 0.195mm 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 aluminium-zinc alloy coated steel finished in a thermosetting polyester coating over a chromated primer.

### Headrail 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 aluminium-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.

### Job Conditions

Prior to venetian blind 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.

### Tilt Stop

Shall be fitted to the tiltrod to limit tiltrod 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.

### Finishes

Refer to colour card for colour sample.

SLAT finish selection from the following:

**Standard:** Bright White, Brilliant White, Crisp Cotton (16mm only), Clean Brilliant White, Euro Rich Cream, Cool White, Chinchilla, Fresh Alabaster, Storm, Shale, Ebony, Black, Grape, Indigo Ash, Deep Stratford Blue, Indigo Blue, Latin Gulf Blue, Steel Nordic Blue, Pale Sky, Ancient Jade, Russet Pair, Bright Cesaro, Retro Biscuit, Pure silk, Warm Pure Silk, Traditional Donkey, US Paperbark, Classic Porcelain, Chocolate, Latte, Dark Terracotta, Glazed Fawn, Mocha, Jet Redcurrent, Rich Caramel Cream, Iridium, Smooth Grey Sheen, Sterling, Onyx, Bright Silver, Simmer Gold, Sand Dune, Silverado, Cinnamon, Azure

**Metallic:** Azure, Onyx, Bright Silver, Sterling

**Jewel:** Anthracite, Quartz

**Marble:** Marble White

**Brushed:** Silverado, Sand Dune, Cinnamon

**Pearl:** Pure Silk, Bronze, Silver,

**Perforated:** Sterling, Smooth Grey Sheen, Bright White, Ebony, Pure Silk

**Stripe:** Blue Stripe, White Stripe, Grey Stripe

**THERMOSTOP® Slat:** Bright White, Cirrus, Magnolia, Sterling

### Models and Options

16mm Micro, 25mm Slimline, 25mm Twi-nighter, 25mm Limited Edition Motorised, 25mm DUO-FLEX® Operating System, 25mm In-between Glass