



woodmates® specification sheet

Luxaflex®

WINDOW FASHIONS

www.luxaflex.co.nz

PRODUCT OVERVIEW



Woodmates® look and feel like real wood, but are impervious to water because they are made from engineered polymers. They are an excellent alternative to real wood where tougher materials and resistance to moisture are required.

Models

- Standard string tape

Colour range

- 13 options including woodgrain and neutral tones.

Applications

- Any area where warm ambience is desired e.g offices, heritage buildings, board rooms, eating areas, meeting rooms.
- Suitable for areas of high humidity where natural timbers are not suitable.

Durability

Resists cracking, fading and peeling. The finishes have been UV tested, achieving little change in colour after approximately 7 years. Manually operated products have been cycle tested to ensure longevity.

Energy Benefits

Automated Woodmates® can be connected to building management systems for optimal control of air conditioning loads and comfort of the building occupants.

CONSTRUCTION

Headrail

The headrail shall comprise of a zincalume u-section measuring 57 x 51 mm, with a stove-enamelled coating in a co-ordinating colour. It will not undergo any deformation when mounted in accordance with the installation instructions. The headrail contains the entire control mechanism. This is covered with a moulded fascia to match the slats, fixed in place with brackets.

Mechanism

Woodmates® are operated with cords, which raise and lower the blinds and adjust the slat angle.

Cords or Braid

The cords and braid are made of UV and water resistant polyester. The spacing of the ladder cord supporting the slats shall be uniform and shall permit the sufficient overlap of the slats to give satisfactory closure of the blinds. All the cords are 2.3mm thick, match the colour of the slats and are provided with colour co-ordinated tassels.



SPECIFICATION SHEET



Polyresin Faux Wood Slat

Woodmates® slat is made from expanded foam, but unlike many products on the market, it is made using 'co-extrusion', which gives the slat a hard top coat, which is applied during the extrusion process. This coating is Polyresin without the foaming agent. This makes a slat that is not only light (84g per metre, which is considerably lighter than other faux wood slat), but also gives the slat added rigidity.

The slat is then colour coated and printed with the wood-grain effect, with every batch sampled back to the original master deck, to ensure better consistency in both colour and the look of the final wood-grain print. To protect both the colour and the wood-grain, the slat is then UV coated.

- Slat cuts well and will not chip with 250/300 mm saw blade, type Z80.
- Punch holes do not crack or chip, provided punches are kept sharpened.

Slat Thickness:	(2.8mm +/- 0.1mm)
50mm Slat Weight:	1 m = 84gm
Valance:	64mm/84mm "Harbour Bridge" style
Bottom Rail:	Low trapezoid shape

Slats are available in two widths, 50mm and 64mm (selected colours).

Testing

UV:	Heat Resistance:	Plastics Testing:
All slats are coated with an acrylic UV top coat and are completely UV protected. In accelerated UV testing, all slats have passed the 500 hour test.	All the slats have been tested and have all passed heat testing at temperatures of 45° over one month, and 60 hours at 60°.	Incoming plastic raw materials are tested for lead content on a regular basis. (Must be less than 200 parts per million, US standard, part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of USA). All submitted samples have passed testing and content is well below permitted limits for safety.

Maximum Blind Sizes

Maximum Width	2400mm
Maximum Drop	3000mm
Maximum m ² (50mm & 64mm slat)	4.5m ²

Stacking Measurements for Fully Raised Blind

Height of Blind	800mm	1200mm	1600mm	2000mm	2400mm	2800mm
Raised blind height, with string tape 50mm slat	140mm	170mm	200mm	230mm	260mm	290mm
Raised blind height, with string tape 64mm slat	110mm	135mm	155mm	180mm	200mm	225mm

Luxaflex®

WINDOW FASHIONS

www.luxaflex.co.nz

COMFORT RATING™

COMFORT RATING™

Colour



Solar Optical Properties

	Ts	Rs	As	TI	RI	AI	Tuv	SC	R1	R2
Picket Fence	0	76	24	0	71	29	0	0.22	1.365	2.28

Comfort Rating™:

- ◆◆◆◆ Highest level of protection/performance
- ◆◆◆ High level of protection/performance
- ◆◆ Medium level of protection/performance
- ◆ Low level of protection/performance
- ◆ No protection

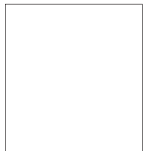
lowest protection/performance highest protection/performance

- Heat Protection
- Insulation
- Shade Factor
- Glare Reduction
- UV Protection

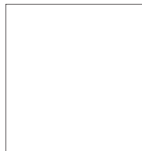
Solar Optical Properties:

- As - Heat Absorbance (%)
- Rs - Heat Reflectance (%)
- Ts - Heat Transmittance (%)
- AI - Light Absorbance (%)
- RI - Light Reflectance (%)
- TI - Light Transmittance (%)
- SC - Shading Coefficient
- R1 - R-Value single glazing
- R2 - R-Value double glazing

COLOUR RANGE



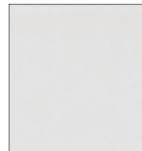
Ecrú



Picket Fence



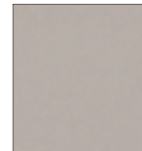
Ghost Gum



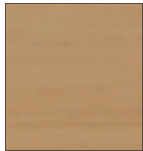
White*



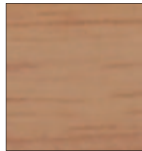
Antique White*



Cream*



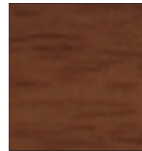
Bamboo



Maple



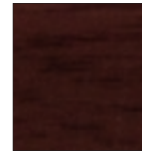
Cedar*



Pecan*



Mahogany



Chestnut*



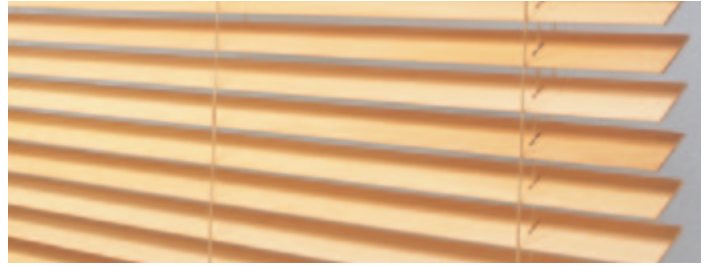
Black Ash*

Colours are as close as the printing process allows. Available in 64mm slat width.

MODELS & OPTIONS

Standard Model with String Tapes

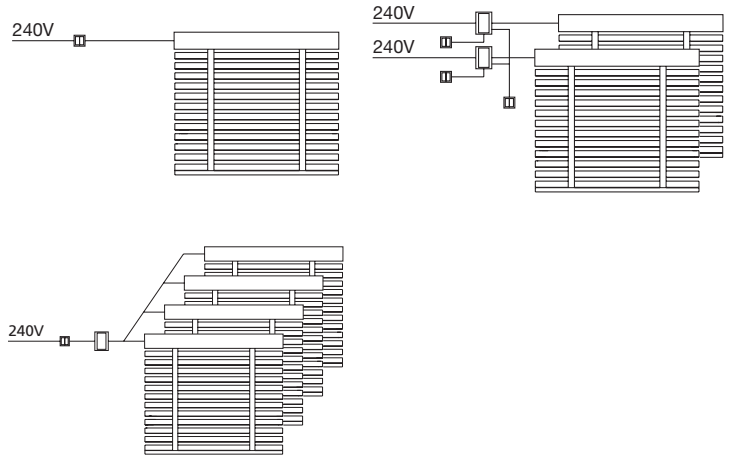
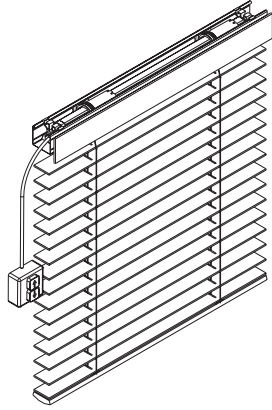
The cords for raising and lowering the blinds pass through the slat in the traditional way which allows them to be motorised.



Automated Options

- 240 v motor integrated in the headrail.
- The cone mechanism ensures that the blinds remain perfectly horizontal at all times while they are being raised and lowered.
- Motor type is dependent on size of blind.

Automated Woodmates® can be operated by a hand held control unit or by a control system. The three operating configurations shown in the figures below are examples of the possible options; please consult us for further details.

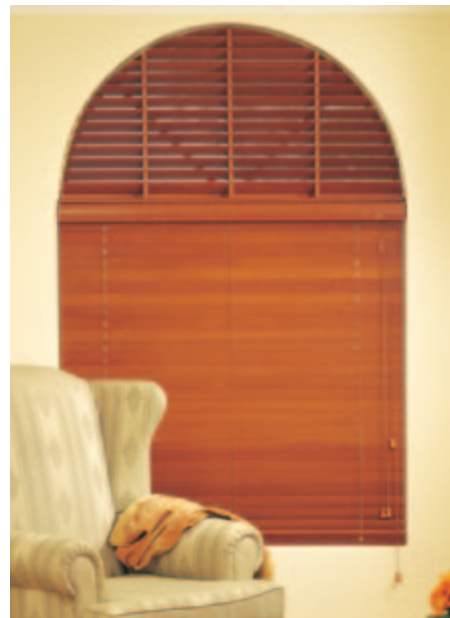
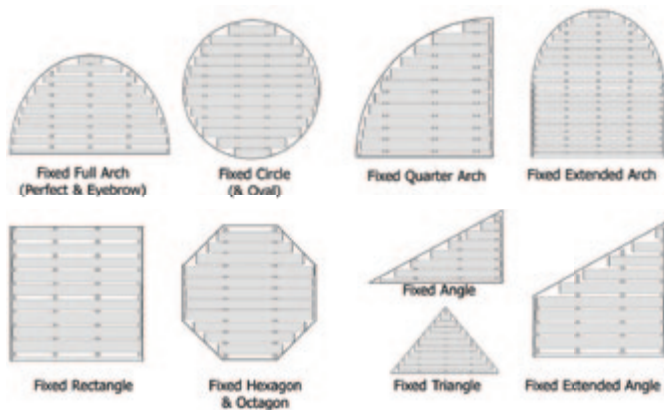


For further information on automation refer to the Automation specifications sheet on the website www.luxaflex.co.nz

Specialty Shapes

Woodmates® offer a variety of fixed shapes. Fixed shapes can be combined with operating blinds as shown on right. Slats are fixed at a 45° angle.

Fixed Shapes:



Luxaflex®

WINDOW FASHIONS

www.luxaflex.co.nz

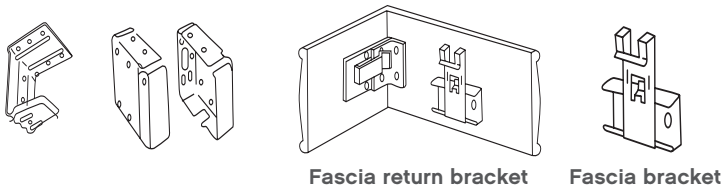
SPECIFICATION & SIZE LIMITATIONS

Dimensions

Type	Woodmates®
Minimum Width (mm)	
- tilt only	264
- split controls	300
- combined control	400
Maximum Width (mm)	2400
Maximum Drop (mm)	3000
Maximum Area (msq)	5.6
	3m2 if frequently raising and lowering
Maximum Area Motorised (msq)	7.2
Stack Height	(0.08 x drop + 67mm)

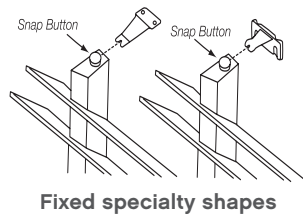
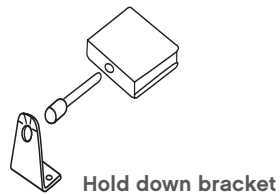
Installation

End mount brackets and centre U-shaped support brackets are used to mount all operating blinds.



Hold down brackets are used to hold the blinds securely down and can be useful when the blind is mounted on a door or in draughty locations.

Fixed specialty shapes are mounted using clear snap buttons and brackets.

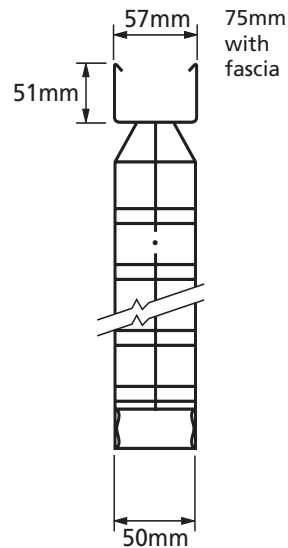


Fire Retardant (AS 1530.3.1999)

Complies with the General Requirements of the Building Code of Australia for Fire Hazard properties of materials in buildings. Not suitable for use in parts of buildings with Special Requirements, i.e. fire isolated exits; public corridors leading to a fire isolated stairway, passageway or ramp; a patient care area of health care buildings; and in a public assembly building (e.g. theatre or hall) not protected with a sprinkler system.

	Woodmates®
Ignitability Index (range 0-20)	14
Spread of Flame Index (range 0-10)	9
Heat Evolved Index (range 0-10)	10
Smoke Developed Index (range 0-10)	8

Product Dimensions - 50mm



Specification Templates

Product Name	Woodmates®
Material	The slats shall be manufactured from extruded polystyrene and shall be up to 3.2mm +/- 0.25mm thick. The blind will have a matching 63mm/84mm wide moulded fascia and 50mm wide rectangular/trapezoid shaped bottom rail. The slats must show minimal yellowing after 125 hours in an oven heated to 70° Celsius, the opacity of the slat must not be below 3.25 when measured on a MacBeth densitometer and rort hole spacing may be no greater than 400mm between centres.
Slat Width	The slat width shall be 51mm/64mm.
Polyester Cord	The core of the polyester cord shall be 2.3mm thick with a braided jacket and designed to withstand a breaking load of 400N.
Headrails	The 98 MK2 Headrail is manufactured from .04 steel alloy 9300S2.AZ150. The U section profile measures 57 x 51mm with astove-enamelledcolourtomatchtheslat.Theheadrailshallcontaintheentirecontrolmechanism.Itiscoveredwithapolymerfasciatomatchtheslats and fixed in place with the aid of brackets.
Colour	The colour shall be with co-ordinated trims.
Tape	The tape shall be classic Stringtape with a 42mm pitch between ladders allowing for an 8mm slat overlap.
Tilt and Lift Mechanism	The slats shall be rotated and raised with a cord control/motorised cord free control.



Luxaflex[®]

WINDOW FASHIONS

www.luxaflex.co.nz

Luxaflex[®] is a division of New Zealand Window Shades Ltd. Luxaflex[®] is a registered trade mark of New Zealand Window Shades Ltd.

New Zealand Windows Shades Limited, 2 - 6 Niall Burges Road, Mt Wellington, Auckland, New Zealand.
PO Box 12 785, Penrose, Auckland 1642. Telephone 0800 223 224, Facsimile 0800 843 857