



duette® shades specification sheet

Luxaflex®

WINDOW FASHIONS

www.luxaflex.co.nz

PRODUCT OVERVIEW



Duette® Shades are characterised by their unique cellular structure. The cells provide an insulation barrier that reduces the exchange of heat in summer and winter. The double-walled honeycomb structure makes the fabric extremely strong, durable and flexible. Duette® Shades can be made in an almost infinite variety of shapes, including operating arches, and can operate in almost every direction. They are truly the most versatile of window covering solutions.

Colour Range

Duette® blinds are available in a broad range of colours and transparency levels. From the Classic 10mm through to the range of 20mm pleat sizes Duette® offers a colour palate and level of light control ideal for any decor or application.

Applications

- Almost any shaped window, such as arch, triangular, sloping top and sloping bottom.
- Applications where heat and cold are of concern - Duette® Shades keep rooms warmer in winter and cooler in summer.
- Boardrooms and presentation rooms, where blackout fabrics can be supplied.
- Apartments, bathrooms and ground floor installations where the entry of natural light is required coupled with the need for complete privacy.

Specification Overview

Fabric is 100% antistatic spun bonded polyester. Duette® Blockout fabrics have a metallic lining.

Head and bottom rails are made from extruded aluminium.

Durability

Duette® Fabrics are very durable. Fabrics without a metallic lining can even be washed.

Energy Benefits

The distinctive honeycomb of Duette® fabric traps air in the cells creating air pockets that act as an insulator. A white heat reflective fabric is used on the external face (window side) of the cell structure to reflect solar heat and aid the insulation process.

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

Environmental and Employee Benefits

The superior insulating performance of Duette® Shades can significantly improve temperature comfort for building occupants all year.

The flexibility of opening and operating options gives people complete control over the degree of light and heat entry and level of privacy in their workspace, leading to greater levels of satisfaction and comfort.

New Zealand Window Shades, operates under an Environmental Management System that actively works towards waste and emission reduction and maximising the use of recycling.

Unique Features

The cellular structure of Duette® Shades provides superior insulation capability. The creases in Duette® fabric will not 'drop out' over time.

Top-down operated shades allow blinds to be open at the top to permit natural light to enter the workspace while the lower part of the blind remains closed, reducing glare on computer screens.

Fire Retardant

Duette® Shades are suitable for use in Class 1-9 buildings according to the Building Code of Australia.

Quality

Hunter Douglas Limited, the supplier of the Duette® Shades components to NZWS, is a quality endorsed company, certified as complying with the requirements of AS/NZS ISO 9001:2000.

Commercial Warranty

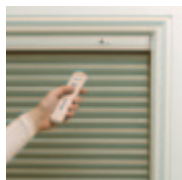
All Duette® Shades are covered by a one year Commercial Warranty. Conditions apply.

MODELS AND OPTIONS



Duette® Standard Shades

With their sleek headrail and tiny stack height, Duette® Standard Shades are unobtrusive when open and fit neatly in window recesses with minimal light gaps when closed.



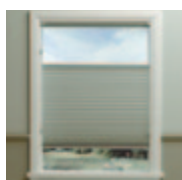
Duette® PowerRise Shades

PowerRise is a battery powered remote control revolution for Duette® Shades. No wires, no cords, no effort required ever again. Two channel operation is standard. PowerRise Shades are particularly suitable for hard to reach windows.



Duette® Skylight Shades

Duette® Skylight Shades can be installed just about anywhere - over skylights or other hard to reach windows. They are also held securely on sloped windows. Pole or cord operation available.



DUETTE® Top-Down/Bottom-Up Shades

Total flexibility gives you the chance of having light at the top of a window and privacy on the bottom. You can move the centre rail to make any portion of the fabric disappear or raise the bottom rail for an open view. Operation is by dual cord system.



DUETTE® Day and Night Shades

With Day and Night Shades you can control the light and privacy with the one extraordinary shade by simply adjusting the amount of each fabric you would like to see. Both fabric panels can also be raised for a completely open view.



Duette® ULTRAGLIDE® Shades

The ultimate in child safety, or simply for neater appearance, ULTRAGLIDE® Shades have a self retracting lift cord. The lift cord is a constant length, no matter whether the shade is raised or lowered.



Duette® Slopers Top and Bottom

Duette® Shades can be manufactured for sloping windows up to 45°. These blinds are fully operable.



Speciality Shapes

Now even arch windows can have fixed Duette® arched Shades. Duette® Shades can also be manufactured in a myriad of shapes, including fans, angles and circles.

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FABRICS



Fabric Range

Duette® Shades are available in a range of translucencies:



Blockout Fabrics:

Nightfall 10mm
Midnight 20mm



Translucent Fabrics:

Classic 10mm
Symphony 20mm

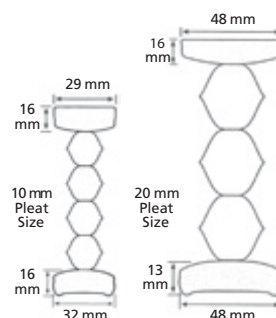


Duette® Shades are available in 10mm and 20mm pleat sizes.

SIZE LIMITATIONS

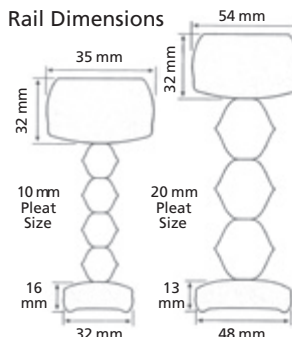
	Size Limitations	Classic	Nightfall	Symphony	Midnight	Sheer	Batiste	Architella
STANDARD Rectangular	Minimum Width (mm)	300	300	300	300	300	300	300
	Maximum Width (mm)	3600	3610	3610	3610	4060	4060	4060
	Minimum Drop (mm)	300	300	300	300	300	300	300
	Maximum Drop (mm)	3600	3600	3600	3600	3600	3600	3010
	Maximum Area (sqm)	5.6	3.7	5.6	3.7	5.6	3.7	5.6
Top Down	Minimum Width (mm)	300	300	300	300	300	300	300
Bottom Up	Maximum Width (mm)	2440	2440	1820	1820	1820	1820	1510
	Minimum Drop (mm)	300	300	300	1820	300	300	300
	Maximum Drop (mm)	2740	2740	2740	2740	2740	2740	2740
	Maximum Area (sqm)	4.5	3.7	4.5	3.7	4.5	2.8	2.3

Standard Rectangular Rail Dimensions



ULTRAGLIDE® Bottom Up	Minimum Width (mm)		300	300	300	300	300
	Maximum Width (mm)		3610	3610	3610	3610	3610
	Minimum Drop (mm)		300	300	300	300	300
	Maximum Drop (mm)		3600	3600	3600	3600	3600
	Maximum Area (sqm)		13	13	13	9.3	8.4
ULTRAGLIDE® Top Down/ Bottom Up	Minimum Width (mm) TDBU		460	460	460	460	460
	Maximum Width (mm)		3010	3010	3010	3010	3010
	Minimum Drop (mm)		300	300	300	300	300
	Maximum Area (sqm)		9.3	9.3	11	7	4.6

ULTRAGLIDE® Rail Dimensions



SKYLIGHT Pole Operation	Minimum Width (mm)	330	330	300	300	N/A	300	300
	Maximum Width (mm)	2600	2600	1610	1610	N/A	1610	1610
	Minimum Drop (mm)	500	500	300	300	N/A	300	300
	Maximum Drop (mm)	2600	2110	2500	2110	N/A	2110	2500
	Maximum Area (sqm)	2.3	2.3	2.3	2.3	N/A	2.3	2.3
POWERRISE	Minimum Width (mm)	485	485	485	485	485	485	485
	Maximum Width (mm)	3600	3600	3600	3600	3600	3600	3600
	Minimum Drop (mm)	300	300	300	300	300	300	300
	Maximum Drop (mm)	2440	2440	2440	2440	2440	2440	2440
SHAPES		Fixed Arch – Fanned Cells		Shapes Fixed Frame	Full Circle			
	Minimum Width (mm)	300		300				
	Maximum Width (mm)	2130		2000	1725			
	Minimum Drop (mm)	1065		300				
	Maximum Drop (mm)	1065		1600	1725			

Note: Perfect arches are where height or drop is exactly one half the width.
 Imperfect arches must not have a height less than 30% of the ordered width
 (e.g. width 600mm, height min 180mm).

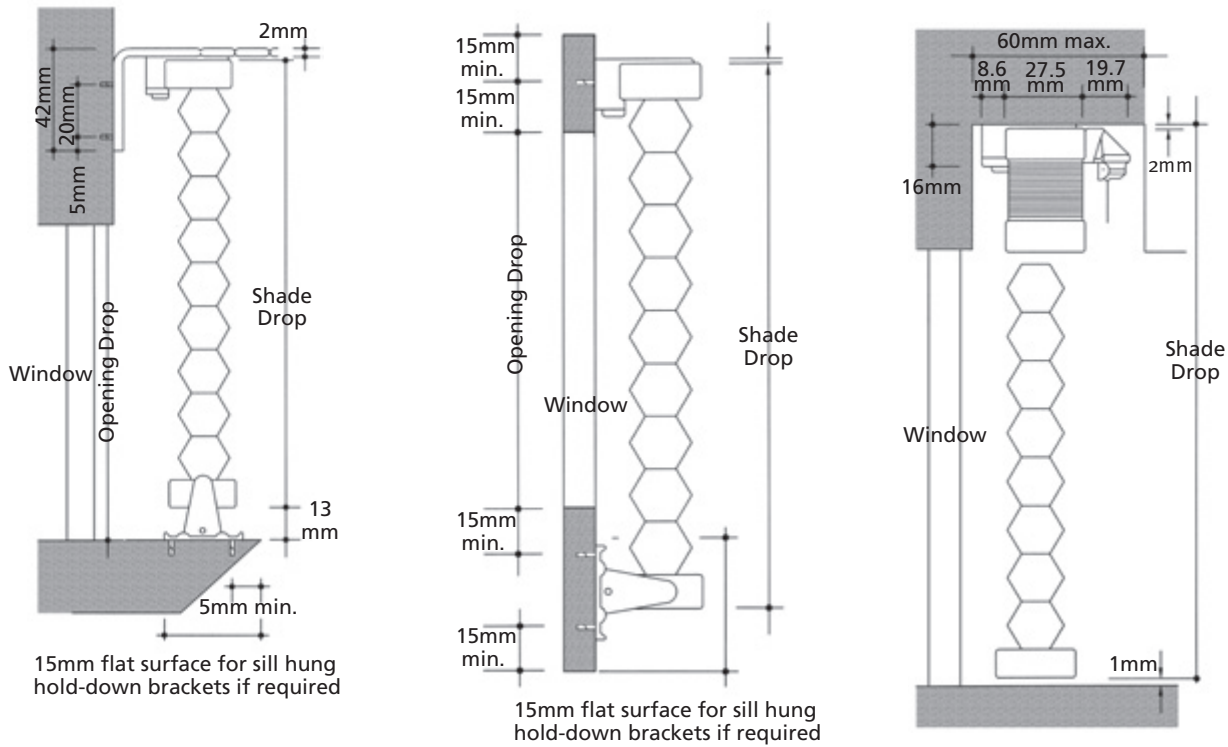
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SPECIFICATION

Typical Installation (Classic Bottom-Up Cordlock operation)



Fire Retardant

[AS 1530.3.1999]

Complies with the General and Special Requirements of the Building Code of Australia for Fire Hazard properties of materials in buildings, Class 1-9, as at the time of publication of this brochure.

Classic, Nightfall

Ignitability Index [Range 0-20]

Spread of Flame Index [Range 0-10]

Heat Evolved Index [Range 0-10]

Smoke Developed Index [Range 0-10]

0

0

0

0-1

Duette® Fabric Specifications

Classic

10mm pleats, 100% anti-static spun-bonded polyester yarn, light filtering, coloured face with white backing.

Nightfall

10mm pleats, 100% anti-static spun-bonded polyester yarn with reflective metallic lining, blackout, coloured face with white backing.

Specification Template

Product Name	Duette® Shades	
Material	The honeycomb cell material description is made from an anti-static 100% spun-bonded polyester yarn. 10mm Nightfall and 20mm Midnight fabrics also contain a metallised film core.	
Cell Width	The honeycomb shape shall have a cell width of 10mm/20mm.	
Rails	The head and bottom rails shall be fabricated from aluminium which are colour co-ordinated with the fabric.	
Operation	The Shades shall be: <ul style="list-style-type: none"> • Standard Rectangular • ULTRAGLIDE® - Duo-Lite • Fixed Shapes • Standard Rectangular - Duo-Lite • ULTRAGLIDE® • PowerRise • Skylight • Arch • Standard Rectangular - Top Down Bottom Up • ULTRAGLIDE® - Top Down/Bottom Up 	
Colour	The fabric colour is supplied with co-ordinated hardware.	

10MM DUETTE® ENERGY EFFICIENCY RATING



It's the unique honeycomb cellular structure of Duette® Shades that makes them so special. Every cell traps the heat that would normally stream through your windows, insulating them against the harsh heat of the summer sun and effectively reducing heat loss in winter.

Whatever the season, you can make savings on your energy bills and relax at a comfortable room temperature. In addition to Duette® Classic 10mm Shades there is the Duette® Nightfall range, featuring a metallised backing for light blockout as well as added installation.

Duette® Shades look so light and silky because they are made from soft spun bonded polyester fabric. But don't be deceived by appearances, Duette® Shades are practical and hard wearing. The fabric is surprisingly tough and will retain its shape and colour even when immersed in warm water. This makes it easy to remove most common accidental household blemishes, and the anti-static coating practically eliminates the chore of dusting.

DUETTE® Shades look fabulous from the inside as well as the

outside of your home. From the inside you have a choice of fashion colours to match your mood and decor of your home, whilst the outside presents a uniform white.

To obtain a clean uncluttered look Duette® Shades are colour coordinated with only the main control cord exposed. The concealed lifting cords within the blind itself and the minimal stacking height ensures a visual effect that is nothing short of magical.

Even for large feature windows Duette® Shades provide a stunning sweep of colour, with no overlaps and seams to ruin the effect.

Duette® Shades are ideal for skylights and can be tailor-made to fit semi-circular and angled feature windows.

COMFORT RATING™#

COLOUR



10mm Classic



10mm Nightfall



Fire Retardancy Index*

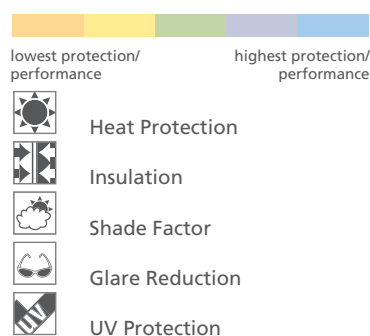
Colour	Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
10mm Classic	0	0	0	0-1
10mm Nightfall	0	0	0	0-1

SOLAR OPTICAL PROPERTIES (ASTM E 424-1971)

	Heat Properties			Visible Light Properties			Control		
	TS	RS	AS	TL	RL	AL	TUV	SC	R1
10mm Classic	30	57	13	22	42	36	1	0.43	0.50
10mm Nightfall	0	55	45	0	39	61	0	0.37	0.55

Comfort Rating™

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



Solar Optical Properties:

- As - Heat Absorbance (%)
- Rs - Heat Reflectance (%)
- Ts - Heat Transmittance (%)
- Al - Light Absorbance (%)
- Rl - Light Reflectance (%)
- Tl - Light Transmittance (%)
- SC - Shading Coefficient
- R1 - R-Value single glazing
- R2 - R-Value double glazing

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The distinctive honeycomb cells of the Duette® fabrics trap air creating air pockets that act as an insulator making Duette® Shades highly energy efficient. A white heat reflective fabric is used on the window side of the cell structure to reflect solar heat and aid the insulation process. Whether you want a soft filtering effect or complete control of the sun, there is a Duette® fabric and operating system to meet your needs.

Standard Cord Lock

Shade stacks at the top of a slim headrail for a simple traditional look. Cords can be neatly secured around cord cleats when the shade is raised.

Ultraglide® Shades

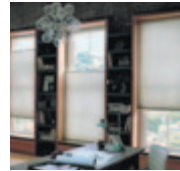
Revolutionary operating system for smooth, effortless operation including self lowering. The cord length remains the same whether the shade is raised or lowered.

PowerRise Shades

Effortless battery operated remote control that's perfect for to hard to reach windows.

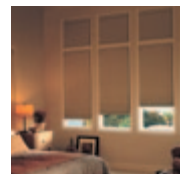
EasyRise Shades

Continuous cord loop operation to easily raise or lower large shades.



20mm Symphony

The 20mm translucent Symphony fabric gently filters light entering the room, whilst still maintaining privacy and protecting your furniture from the sun's harmful rays.



20mm Midnight

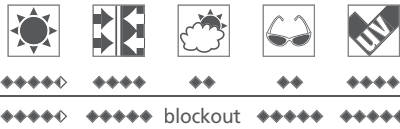
20mm Midnight is a true blockout fabric. The metallised lining of the opaque 20mm Midnight range provides you with the ultimate in privacy and energy efficiency.

COMFORT RATING™#

COLOUR

20mm Symphony

20mm Midnight



SOLAR OPTICAL PROPERTIES (ASTM E 424-1971)

	Heat Properties			Visible Light Properties			Control		
	TS	RS	AS	TL	RL	AL	TUV	SC	R1
20mm Symphony	28	59	13	21	44	35	1	0.41	0.42
20mm Midnight	0	61	39	0	46	54	0	0.33	0.52

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 (%)
- Al - Light Absorbance (%)
- Rl - Light Reflectance (%)
- Tl - Light Transmittance (%)
- SC - Shading Coefficient
- R1 - R-Value single glazing
- R2 - R-Value double glazing

DUETTE® ARCHITELLA SHADES INSULATION

What is the value of R-Value in Winter?

R-Value measures a product's ability to keep heat in and cold out. The higher the R-Value, the greater the insulation.

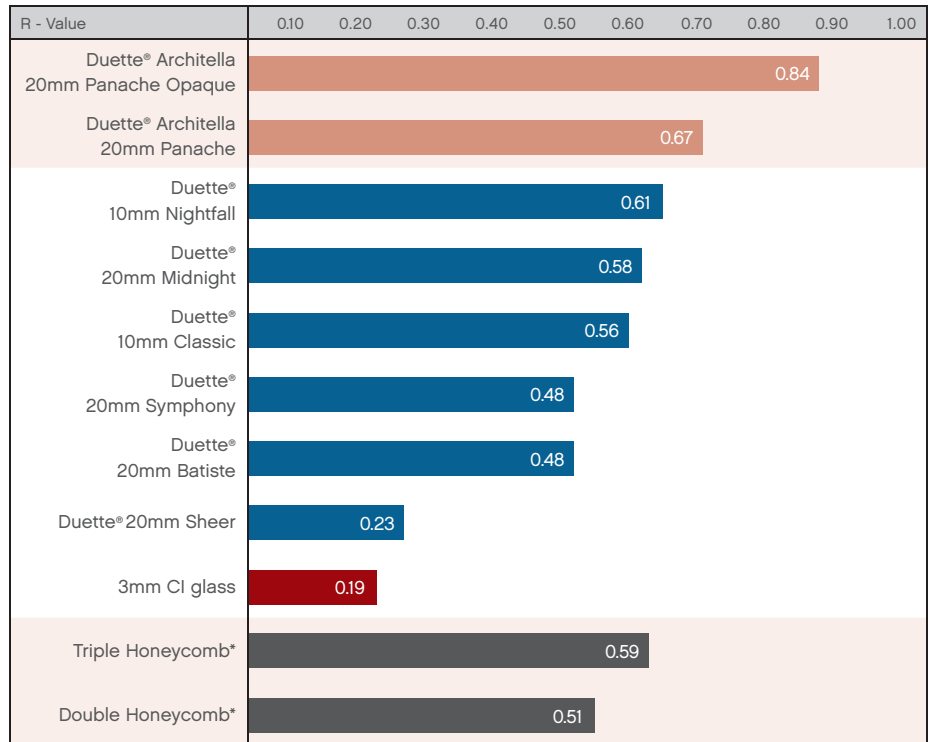
Research reveals that up to 30% of heat loss from your home occurs through uncovered windows, so choosing the appropriate window protection can save you money on energy bills.*

Duette® Architella Shades, with R-Values ranging from 0.67 - 0.84, are the most energy efficient internal window covering in our product range.

The R-values are the combined measurement of 3mm (one-eighth inch) CI glass (R = 0.19) plus the window covering and are reported in metric SI units. Thermal properties are determined by a certified third party laboratory utilising accepted ASTM, NFRC and WES standards and procedures.

* Products of Hunter Douglas Inc, USA. Not currently offered in the LUXAFLEX® Window Fashions Range.

Based on information from NABERS (National Australian Built Environment Rating System). Visit www.nabers.com.au for more information.



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