

# GREENHOUSE FILMS



## Duratough® Greenhouse film

Duratough is a heavy-duty, long-life commercial grade greenhouse film. It can be used in either singleskin or twinskin applications. It's co-extrusion multi-layer technology-offers one of the highest light transmission levels available. Duratough contains a medium EVA (ethyl vinyl acetate) content, which allows its use across a wide range of structural designs, and, for vegetable or flower crops. Duratough is compatible with virtually all of today's modern film clipping systems and it is stocked by Redpath in twelve different widths\* between 2m and 14m. This ensures an efficient fit to the greenhouse and reduces wasteful off-cuts.

Duratough's polymer has been designed to resist the harsh U.V. conditions found in Australasia and is supplied with a factory 40 - 48 month U.V. pro-rata warranty.

*\*Widths & U.V. warranty may vary between Australia and New Zealand.*

### FEATURES

- Anti-condensation treated on inside-face.
- Heavy duty 200 micron thickness NZ, 180 micron Australia
- Every lineal metre of film printed with quality code and metreage
- Cost effective
- Long-life factory U.V. warranty
- Bumble bee friendly

### BENEFITS

- High light transmission lifts crop production during duller months
- Wide range of widths, rolls cut to custom length
- Compatible with most greenhouse designs and crops
- Suitable for most twinskin or singleskin installations



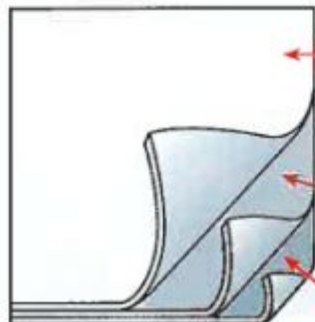




# GREENHOUSE FILMS

## DURATOUGH® 4 Year\*

### MULTILAYER Resin Construction



- 1** Duratough's super long life exterior layer resists Australasia's extreme UV conditions & protects your delicate crops year after year. Duratough uses an all virgin co-polymer resin for its construction, and is manufactured using the latest coextrusion machine technology. Duratough's exterior layer resists dirt & algae collection & contains a slip additive to assist with washing/cleaning of the greenhouse roof.
- 2** Layer two includes an L.L.D.P.E. layer (Linear Low Density Polyethylene) resin. This gives the Duratough product superior break & tear strength. Resistance to storm damage is improved & the life of the film in general is extended even further. This layer in the Duratough also adds to the film's durability at the film/frame contact points on the greenhouse.
- 3** Inner layer is manufactured from the same long life resins as the exterior layer but is also additionally saturated with the latest "non-drip" anti condensation surface compounds.

The inside facing surface plays an important roll in crop production & the anticondensation formula assists in preventing water droplets forming on the films surface. The Duratough film instead promotes condensation to "lie flat" on the surface & "slide off" the film to the side of the roof cladding without falling onto the crop.

Crops will thus remain drier & this will assist in limiting the spread of fungal & other diseases that can spread rapidly in moist conditions.

The reduction in water droplets forming on the sheeting also substantially improves light transmission to the crop in the winter months - and reduces energy loss from within the greenhouse at night-time.

### LIGHT TRANSMISSION

Horticultural professionals will tell you that light is the driving force behind your plants & you can "never have too much!"

Duratough's super clear polymer resin allows superb P.A.R (Photosynthetic Active Radiation) transmission to the plants. This makes Duratough very suitable for both twin skin & single skin applications.

Higher levels of light transmission maintain crop production during winter when the sun is low in the sky & days are short. Duratough is engineered to stay clear & not discolour for up to 4 years - providing growers with consistent crop quality, colour & high levels of production per plant.

Light Percentage	92%	Duratough*
	90%	200mu crystal
	89%	6mil Greenhouse
	88%	Polyweave Reinforced G/House Film



### EXTRA LONG LIFE FORMULA

The most modern UV stabilisers are used in all layers of the Duratough greenhouse film. A Hindered Amine Light Stabiliser agent (H.A.L.S) is used to protect the polymer from UV attack. This stabiliser also gives the Duratough the ability to "remain clear year after year". The extra heavy duty thickness of the Duratough film provides safety to the growers through improved resistance to abrasion & storm loads. Redpath has been supplying greenhouse films for more than 30 years into the Australasian market & uses the Duratough product throughout its own commercial range of greenhouse structures. It is an extremely reliable & dependable product for horticulturists nationwide.

Redpath Duratough is backed by a manufacturers UV degradation warranty for a period of up to 4 years\*

\* Expected life will vary between regions & conditions apply

**WIDTHS\*** 2m - 3m - 4m - 5m - 6m - 7m - 7.5m - 8m - 8mCF - 9m - 10.5m - 11m - 12m & 14m  
 \*Stocked widths may vary between Australia & New Zealand

**All covers "cut to length" to suit your greenhouse**



# AGRICULTURAL – HORTICULTURAL FILMS



## **DURASHADE™ “L”** Shaded UV Stabilised Greenhouse & Stock Shelter Film in “light” and “very light” shade rating.

Durashade white “VL” (very light) and “L” (light) shade film is manufactured from a very similar polymer to the Duratough® product. Durashade, however, is additionally impregnated with a white pigment which provides an effective block of direct light transmission. This provides reduced operating temperatures within the structure, whilst also giving shade to the crop or animals beneath.

Durashade has applications for crops or animals that dislike the intense light and heat levels that ‘clear’ claddings can potentially generate. Growers of tropicals, natives, indoor plants and in particular nurserymen and propagators, may find this specialised film particularly suited to their crop needs. Durashade is UV stabilised for long service life and is supplied in a heavy duty 180-200 micron gauge. Durashade is available in a variety of widths and is supplied “cut to length” for efficient fitting to your structure.

## **DURAFLEX™ “M”** Super Heavy-Duty “M” Rated Shaded Film FOR AGRICULTURAL, – INDUSTRIAL & HORTICULTURAL APPLICATIONS

Duraflex “M” (medium) white shaded film is one of Redpaths’ thickest flexible films. This super heavy-duty product is often used as an alternative to rigid cladding due to its extremely long life and robust construction.

Duraflex is 220 microns thick and is ideally suited to applications such as animal protection structures (Ecoshelters®) or for general farm building covers.

Duraflex “M” reflects a very high percentage of light and heat and provides a comfortable housing environment in warmer conditions. Duraflex will last up to ten years in many applications, making it an extremely cost effective and viable long term weather protection covering. Duraflex is available in three widths and is supplied ‘cut to length’ to the customers’ requirements. Duraflex is supplied with a factory backed 5 year pro rata U.V. warranty.



## **SHADEMASTER™ LMUV5™** Animal & Industrial Shelter Film



Shademaster film is the heaviest duty co-extruded film available from Redpath. This product features a black surface on one side and a white surface on the other. Shademaster LMUV5 film has been fortified with a heavy saturation of UV inhibitor and this combined with its superior 250 micron grade thickness allows the construction of very long life shelter housing. Shademaster LMUV5 white surface reflects a substantial quantity of heat away from the building interior and acts as a very effective light reducing cladding. The black inner surface additionally blocks light and provides a cooler more stable interior environment. Shademaster LMUV5 is designed to last up to 10 years+ in many applications and can be installed on standard lightweight framework and fastened with Redpath Duralock ‘2’ film holding

clipping systems. Shademaster LMUV5 is available in a limited range of widths and can be supplied “cut to length” to suit the building length requirements and eliminate wasteful offcuts.



# REINFORCED HORTICULTURAL FILMS

A SUPERTOUGH  
REINFORCED FILM



## Polyweave™

### Tear resistant woven greenhouse film

Redpath Polyweave is constructed from a commercial grade of woven polyethylene fabric. This fabric is then laminated to a clear U.V. stabilised film to provide a translucent yet flexible material that offers extreme wear and tear resistance.

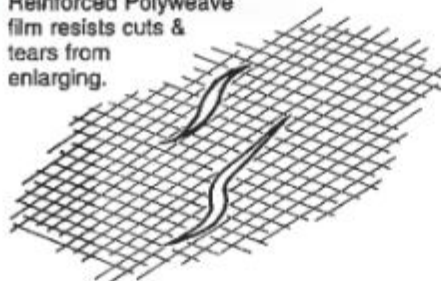
If Polyweave is cut & damaged from flying debris or high winds its construction will resist further tearing!

Polyweave is manufactured in Europe to a high quality standard & is very popular for a wide variety of applications, including greenhouse roll up sides or ends, covering of doors, animal shelters, gazebos, etc. It may also be used in commercial applications for screens, windows or curtains.

Polyweave's strength allows it to be retained via traditional nail & batten methods, - or for longer life the Redpath 'Duralock 2' fastening clip can be used.

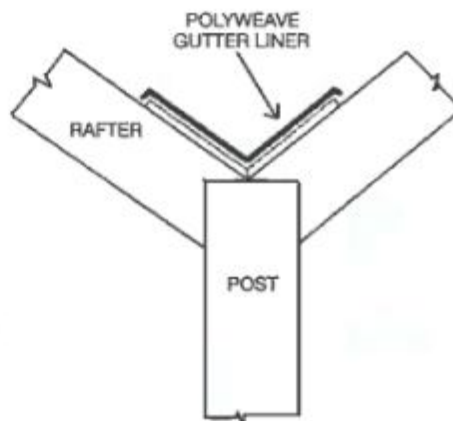
Polyweave is available in standard roll widths of 2.4 metres & 3.1 metres, both widths may be ordered 'cut to length' to suit the individual applications or standard 50 metre rolls are available. A 30 month pro-rata U.V. warranty applies to Polyweave.

Reinforced Polyweave film resists cuts & tears from enlarging.



## Polyweave™ Gutter Liner

This durable gutter lining membrane provides improved resistance to pinholes & puncturing. With care it may be walked on without suffering damage. Redpath gutter liner will rejuvenate deteriorating gutters & extend their useful life. Redpath Polyweave is compatible with surrounding films or meshes. Gutter liner is supplied in a standard roll width of 600mm ( $\pm 20$ mm).



### Polyweave & Gutter Liner

Product	Roll Width	Roll Length	Item Code
Polyweave	2.4m	'Cut to length/order'	See price list
Polyweave	3.1m	'Cut to length/order'	See price list
Gutter Liner	600mm $\pm 20$ mm	100 metre	GUTL



# FILM REPAIR TAPES



## All Weather

### Greenhouse film repair tape

Used for repairing small tears and holes in greenhouse polythene film, this tape is manufactured from UV stabilised polythene and is inconspicuous when applied. It is available in two widths to suit most applications. This tape may also be used for other materials such as joining flooring film and small glass repairs.

#### All Weather Tape

Roll Size	Item Code
All weather 48mm x 25m	ALLW48
All weather 96mm x 25m	ALLW96
All weather 96mm x 100m (Australia)	ALLW96A



## Patchbond™ Tape

### Permanent film repair tape

Patchbond adhesive tape is designed for the long term repair of cuts and tears in greenhouse film covers.

The acrylic based adhesive has excellent resistance to UV and moisture.

We recommend using the same plastic for the patch as used on the surface being repaired. This will ensure that the patch material has the desired resistance to UV light and will limit any adverse reactions.

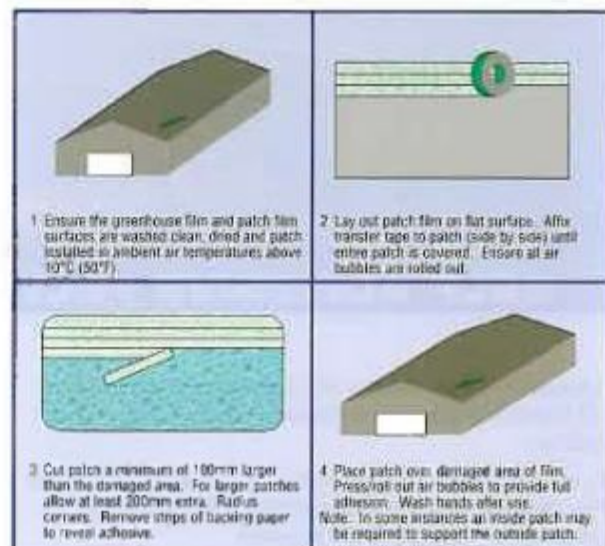
A "patch" system of repair provides the ability to spread load across a greater area and improves the likelihood of a longer life repair.

For commercial greenhouse repair contractors, this tape is also available in a 150mm width x 50m roll.

#### Patchbond Tape

Roll Size	Item Code
50mm x 50 mtr (Instructions supplied with roll)	PAT50

*Do not apply this tape in temperatures below 10°C and only apply to dry, clean surfaces.*



## Redpath Batten Tape

### Roof batten tape

A dense white foam tape coated on both sides with a high tack acrylic adhesive. Double sided batten tape is designed to "isolate" between the holding timber roof battens and the top surface of greenhouse films on truss style greenhouses.

Batten tape is also often used to isolate poly sheets at the ridge on "butterfly" vented structures.

Redpath batten tape will assist in preventing sideways movement at the point where the holding batten nails or screws go through the greenhouse film and thus helping to prevent tearing. Batten tape has excellent resistance to weather, fungi and UV.

#### Batten Tape

Roll Size	Item Code
24mm x 50 mtr	BAT24
50mm x 50 mtr	BAT50





## GREENHOUSE TAPES

# POLYGUARD™



### SELF ADHESIVE FELT - FRAME LAGGING TAPE

Polyguard is a self-adhesive felt tape designed to provide a soft barrier between the greenhouse frame and the polythene cladding.

By reducing abrasion and excessive temperature at the frame/film contact points, both extended film life and reduced maintenance of covers can be expected.

The quality materials used in the manufacture of Polyguard ensure a long and cost effective service life.

#### 1. White felt component

A 100% UV stable white "upper" felt that withstands mould and rot degradation. The felt includes a hot-melt bond fibre providing it with extra stability. It resists "pilling" and movement even under heavy cover abrasion conditions.

#### 2. Adhesive contact

A highly aggressive acrylic compound adhesive that adheres readily to aluminium, steel and timber frame work. This particular adhesive has excellent resistance to temperature and moisture fluctuation whilst also performing well when exposed to UV light.

#### 3. Proven to last and perform

Polyguard is the chosen frame guard tape used by Redpath and other commercial greenhouse manufacturers throughout Australasia. It has been proven to last and perform for many years. Polyguard is a preventative maintenance product that is an integral component in any greenhouse re-skinning work.

#### Polyguard™

Roll Width	Length	Item Code
30mm	50m	POL30
40mm	50m	POL40
50mm	50m	POL50
70mm	50m	POL70

#### Polyguard application:-

Ensure that surfaces are clean, smooth and dry, and also that ambient air temperature is above 10°C before applying Polyguard.

*\*Five year pro-rata UV warranty applies to Redpath Polyguard.*





# FILM & FABRIC FASTENING SYSTEMS



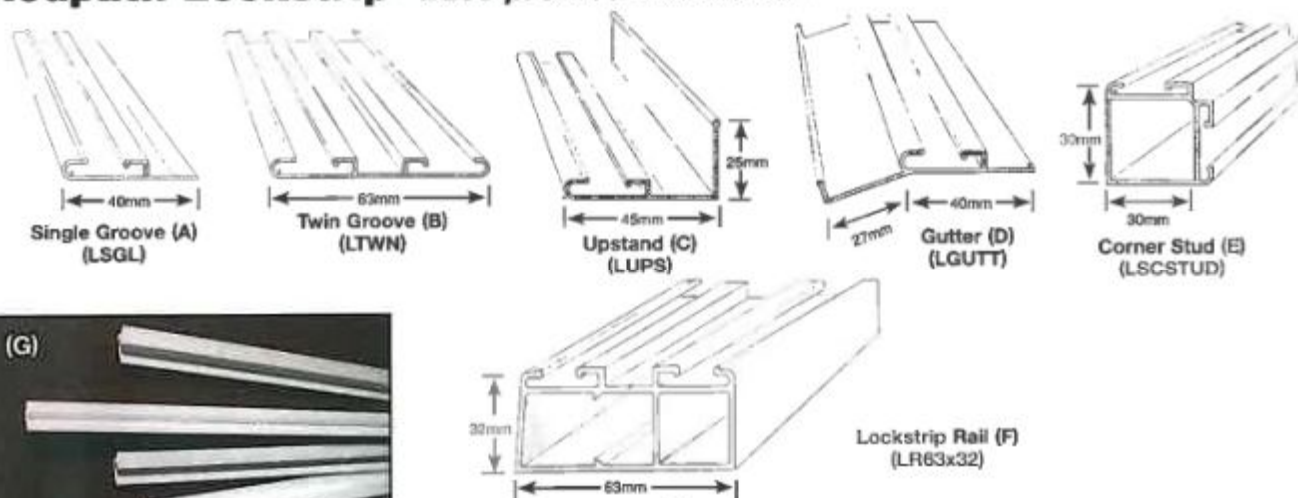
## Redpath® Lockstrip®

Lockstrip was first trialled in the field in 1979. It was developed as a cost effective solution for retaining horticultural and agricultural films and fabrics reliably on structures, even in high wind conditions. Lockstrip is a unique 3 piece clipping system that utilises a patented self-locking action.

Lockstrip will suit many styles of films and fabrics and is offered with two insert options: "long leg" for materials up to 300 microns and most singleskin applications. A "short leg" is also available for materials over this thickness e.g. twinskin (please specify when ordering).

A 'one piece' insert is also available for narrow cover applications, which eliminates the need for the locating clip.

### Redpath Lockstrip® base profiles available...

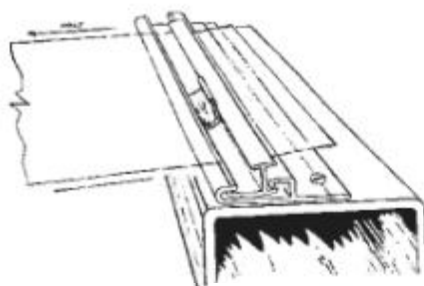


Singleskin & Twinskin inserts are available.



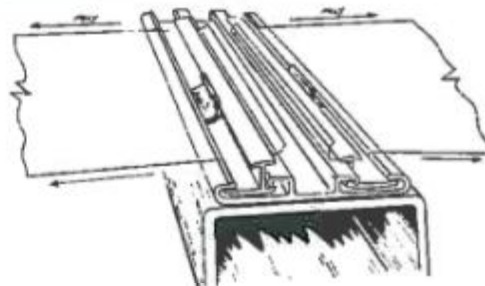
### Redpath Lockstrip®

Description	Dimensions	Item code
A) Lockstrip single groove	3 piece system (4m length)	LOCSC
B) Lockstrip twin groove	3 piece system (4m length)	LOCTC
C) Lockstrip upstand	3 piece system (4m length)	LOCUC
D) Lockstrip gutter	3 piece system (4m length)	LOGC
E) Lockstrip corner stud	3 piece system (6.050m length)	LOCCC
F) Lockstrip Rail 63 x 32	Lengths various (6m length)	LOCR6
Lockstrip Rail Connector	Steel internal sleeve	SLELSR
G) White 'singleskin' insert and clips	2 piece (2m length) up to 300mu	LOCILC
White 'singleskin' insert only	1 piece (2m length) up to 300mu	LOCIL
Green 'twinskin' insert and clips	2 piece (2m length) 300mu +	LOCISC
Green 'twinskin' insert only	1 piece (2m length) 300mu +	LOCIS
H) Locking Clips only,	8 clips per metre (packs 100)	LOCCLP
One piece lockstrip insert	no clips required long-leg (2m length)	LOC1A
One piece lockstrip insert	no clips required short-leg (2m length)	LOC1B



Single Groove Lockstrip

Always follow installation instructions



Twin Groove Lockstrip



# FILM & FABRIC FASTENING SYSTEMS



## Redpath® Duralock 2™

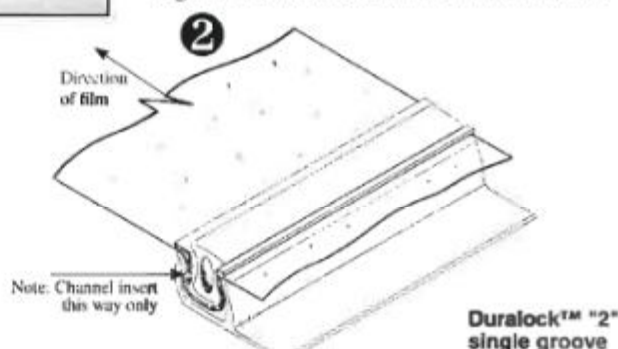
Duralock 2 is Redpaths' continuous bead fastening system for film and fabric and is specifically designed for wide sheet cladding and high wind-load applications. Duralock 2 is capable of retaining materials of variable thicknesses. Duralock 2 is simple to assemble and is unique in that the locking bead, when pressed into place, does not come into contact with the material being held and therefore minimises the risk of 'shearing' or bruising the film/fabric being held.

Duralock 2 incorporates a shading cap which reduces heat buildup at the clipping systems edge and therefore extends the film/fabrics life.

### Redpath Duralock™ "2"

Description	Dimensions	Item Code
Duralock 2 single groove	3 piece system (4m lengths)	DUR2SCL
Duralock 2 twin groove	3 piece system (4m lengths)	DUR2TCL
Duralock 2 Insert	2 pieces (2m lengths)	DUR2ICL
Duralock 2 Bead	Bead only (2m lengths)	DUR2IBL
Duralock 2 Channel	Channel only (2m lengths)	DUR2IC

**CAUTION** – ensure to fit UPVC channel in direction as shown in pic 1 & 2 above.



Duralock™ "2"  
single groove

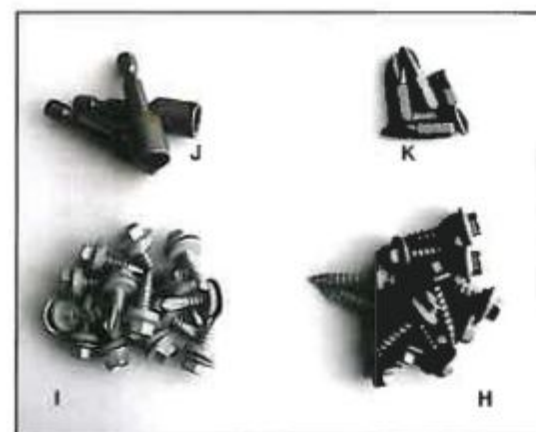
## Screws/Fasteners

The use of screws to fasten the Redpath clipping system in place is recommended. Screws are typically spaced 150mm apart. Screws for attachment to steel (item I) and timber (item H) are class 3 rated, galvanised coated, and include a neoprene washer. They are of a hex head type. Redpath offer a drive bit that will fit most common drills for a speedy installation. The self drilling screw eliminates the need to pre-drill the aluminium base of the clipping system or the framework underneath. Posi drive bits (Items K) are also available for Phillips style screws.

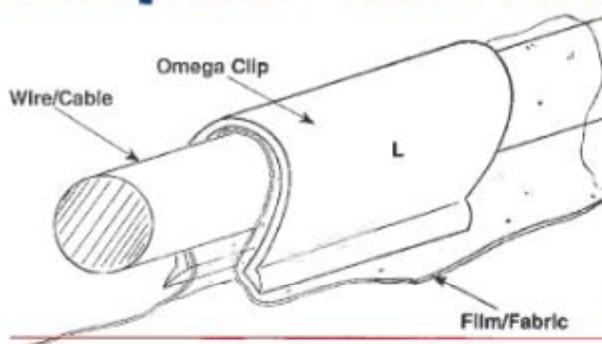
### Screws/fasteners

		Item code
H)	Fastening screw timber 12 x 25	SCRT25
I)	Fastening screw steel 12 x 20	SCRS20
J)	Screwdriver bit - hex each	SCRBH
K)	Screwdriver bit - Phillips each	SCRBP

Other screw sizes available



## Redpath® Wire and Cable Clip



Redpath "Omega" Clip is utilised for the semi-permanent retaining of films and fabrics onto wires or cables. This system is designed for moderate cladding widths only, in sheltered locations. Omega clip is often used as a temporary retainer of cloche films or for side wall nettings and films at greenhouse ground level.

Omega Clip	Length	Item code
L) White UPVC nominal fit to 3.15mm wire	2m length	OMEGA3
White UPVC nominal fit to 6mm cable	2m length	OMEGA6
White UPVC nominal to fit 7mm cable	500mm length	OMEGA7

Always follow installation instructions.



# PROPANDA HYDROPONIC & FLOORING FILMS



## Propanda® Hydroponic Gully

### Black side/white side channel

Propanda hydroponic gully is a co-extruded, UV stabilised black side/ white side polythene. All rolls are 600mm in width and are 400 metres in length.

This film is predominantly used by growers that operate a reticulating hydroponic system, to form the channels that the plants stand in and are supplied liquid nutrient feed through.

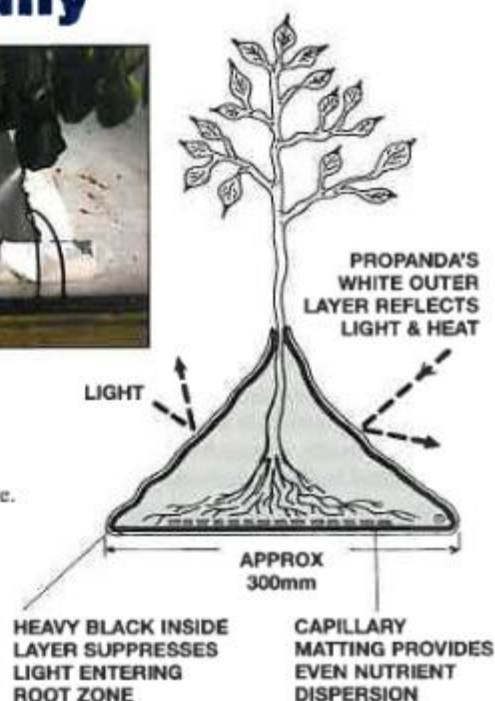
A channel is formed by folding the Propanda gully as shown here with the white side facing outwards. This will assist with light reflection and help keep the root zone of the plant cooler. The black inner layer suppresses light penetration to the root mat and substantially reduces algae growth.

Redpath Propanda hydroponic film is manufactured from a high quality resin that is extruded at an accurate and consistent gauge that ensures excellent strength and resistance to "pin-holing". 150mm x 400m green capillary matting is also available.

### Propanda Hydroponic Gully – black/white

Roll Size	Item Code
600mm x 400mtr x 125mu	PRO400
150mm x 400mtr Green water absorbent mat	CAPMAT

1 year U.V. warranty applies to this film.



## PROPANDA® GREENHOUSE FLOORING FILM

Redpath Propanda light reflective greenhouse flooring is a co-extruded, abrasion resistant plastic film that has a white top surface and black underside ensuring as much light as possible is available to the crop (especially for high foliage crops).

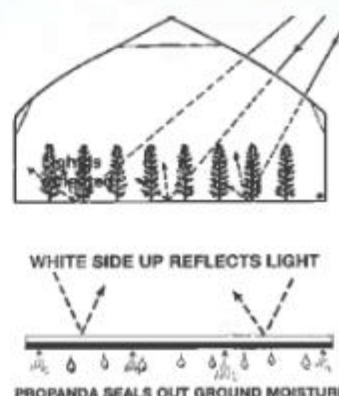
When laid black side down, the white upper layer will reflect much of the available light entering the greenhouse and can improve the light conditions within the crop region. This is especially valuable during low light winter months, whilst the black layer inhibits weed growth.

Propanda film is also beneficial as a non-permeable flooring barrier that effectively seals out soil borne disease and humidity-causing ground moisture from the greenhouse environment.

A choice of widths are available to suit most greenhouse spans and to minimise joins. They include 10mtr, 8mtr, 4mtr and 3mtr wide rolls. All rolls are 50 metres in length and 100mu thick.

Propanda flooring is offered with a one year U.V. warranty & typically lasts 2 seasons or more.

A permeable white woven hard wearing & longer life ground cover "reflectamat" is also available (see page 10).



### Propanda Hydroponic – Black/White Flooring Films

Roll Width/Type	Length	Description	Item Code
3 metre flooring	50m	Black/White 100mu	PRO3
4 metre flooring	50m	Black/White 100mu	PRO4
8 metre flooring	50m	Black/White 100mu	PRO8
10 metre flooring	50m	Black/White 100mu	PRO10





# WOVEN LONG-LIFE GROUND COVER

## Reflectamat™

### White woven groundcover

An extremely hard wearing 110gsm greenhouse flooring fabric that offers growers a long life floor covering option.

Redpath Reflectamat is used extensively by growers throughout Australasia. Reflectamat is a permeable membrane allowing excess water from the crop or greenhouse to pass through it into the soil or drainage beneath.

This 'breathable' fabric will also reduce the likelihood of the covered soil going 'sour' as well as help prevent pooling of water on the greenhouse floor.

Reflectamat is manufactured from a heavy duty commercial grade of U.V. stabilised polypropylene & will resist heavy foot traffic & wear from greenhouse trolleys, etc. Reflectamat is also slip resistant when wet.

Its bright white colour provides excellent 'light' reflectivity from the floor back into dense crop foliage.

Reflectamat includes marker lines stitched into the fabric along its length to assist with crop row alignment and crop installation.

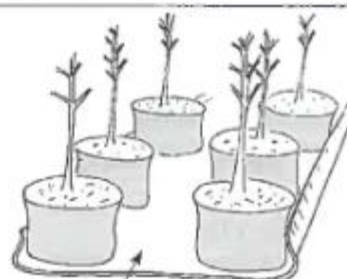
Redpath import two standard widths of Reflectamat to suit walkway only applications (1.05m wide) or full flooring cover (4.20m wide). All rolls are 100 metres in length.

*\*Note: Reflectamat may not suppress weed growth.*

*A pro-rata 2 year UV warranty applies to this product, conditions apply.*



## White trough liner



### WHITE UNDERBAG TROUGH LINER

Plain white only U.V. stabilised plastic film used to catch & direct irrigation overflow from a bag growing system. White trough liner will reduce a grower's nutrient & water waste whilst also improving light reflection & cleanliness around the base of the crop. Available in 1m wide x 200m rolls.



## Black Weedshield

Redpath Weedshield is manufactured from tough woven commercial grade polypropylene. This heavy duty "fabric" weighs between 100-105 grams per sq/m and is U.V. stabilised for typical outside locations. Covering Redpath Weedshield with bark or scoria will further extend its life.

Weedshield allows soil to "breathe" and assists in reducing fungal growth beneath the fabric and reduces the likelihood of the soil going "sour".

The use of Weedshield will promote healthier plants and a cleaner landscape environment. Spray use and persistent weeds can be reduced by over 90%. Water use can also be reduced as the Weedmat slows down moisture transfer & minimises evaporation.

Redpath stock black Weedshield in most of the popular sizes including .91m, 1.83m and 3.66m. Roll lengths are 50 mtr.

*A pro-rata 2 year UV warranty applies to this product, conditions apply.*

### Groundcovers

Product	Colour	Dimensions	Construction	Item Code
Reflectamat	White	1.05m x 100m	Woven	REF1.05
Reflectamat	White	4.20m x 100m	Woven	REF4.20
Troughliner	White	1m x 200m	Polythene Film	TROL1
Weedshield	Black	.91m x 50m	Woven Weedmat	WEE.91
Weedshield	Black	1.83m x 50m	Woven Weedmat	WEE1.83
Weedshield	Black	3.66m x 50m	Woven Weedmat	WEE3.66
Weedstaples	N/A	125mm long x 200 per box	Galvanised Steel	WEES125
Weedstaples	N/A	225mm long x 200 per box	Galvanised Steel	WEES225
Weednails	Black	120mm long x 200 per bag	Plastic Nail	WEEN120
Weednails	Black	175mm long x 200 per bag	Plastic Nail	WEEN175
Weednails Biodegradable	Cream	175mm long x 200 per bag	100% Biodegradable	WEEN175B
Weednails Gripper Tip	Black	200mm long x 200 per bag	Plastic Gripper Tip	WEEN200G
Weednails Gripper Tip	Black	300mm long x 200 per bag	Plastic Gripper Tip	WEEN300G



# SHADECLOTH & WINDBREAKS



## SHADESHIELD™ KNITTED SHADECLOTH

"VL"  
Very Light

"L"  
Light

"M"  
Medium



## Knitted Windshield™ Cloth

Research has shown that wind protection can improve the yield and quality of many crops. It is often used as shelter for livestock or to protect buildings and greenhouses from extreme wind damage.

Redpaths' "windshield" fabric is supplied in three popular widths to suit most applications - .91m, 1.83m & 3.66m.

Windshield has a knitted construction. It is an economically priced cloth that carries a 5-year pro-rata U.V. warranty.

Redpath Windshield is often used for either overhead or vertical shelter applications in moderately protected sites. Windshield has a combination of green/black yarns. Redpath offers a fabrication service and can supply custom sized covers as required.



Many crops can benefit from shading and for some it is essential.

Redpath import and distribute a range of quality knitted shade cloths in both green and white colours.

The commercial-grade monofilament yarn is U.V. stabilised. It is extruded in-house by our supplier and is then converted/manufactured into the shade cloth fabric. This allows for close monitoring and improved consistency of the raw material that is used for the construction of this quality range.

5 year pro-rata U.V. light warranty.

Three shade densities are available: "VL" very light, "L" Light and "M" medium. White and Black shade cloth is available in the "M" rating in Australia.

Actual shade factors will vary dependent on angle and level of light. More or less shade may be required at different times of the year.



## Shade/Wind Clips

A robust polypropylene windcloth and shade cloth fastening device.

Wind/Shade clips fold around a cable or wire and the male/female locking pins clamp together to securely retain the fabric.

### Shadesheild Knitted Shadecloth

Description	Dimensions	Item Code	Description	Dimensions	Item Code
Shadesheild 'VL' green	.91m x 50m	SHA.91VLG	Shadesheild 'L' white	1.83m x 50m	SHA1.83LW
Shadesheild 'VL' green	.91m cut lengths	SHA.91VLG/C	Shadesheild 'L' white	3.66m x 50m	SHA3.66LW
Shadesheild 'VL' green	1.83m x 50m	SHA1.83VLG	Shadesheild 'M' white	3.66m x 50m	SHA3.66MW*
Shadesheild 'VL' green	1.83m cut lengths	SHA1.83VLG/C	Shadesheild 'M' black	3.66m x 50m	SHA3.66MB*
Shadesheild 'VL' green	3.66m x 50m	SHA3.66VLG	Shade cloth Clips	Bag 50	SHAC50
Shadesheild 'VL' green	3.66m cut lengths	SHA3.66VLG/C	Shade cloth Clips	Bag 200	SHAC200
Shadesheild 'L' green	1.83m x 50m	SHA1.83LG	Shade cloth Clips	Bag 2000	SHAC2000
Shadesheild 'L' green	1.83m cut lengths	SHA1.83LG/C	Windshield:		
Shadesheild 'L' green	3.66m x 50m	SHA3.66LG	Windshield .91	.91m x 50m	SHA.91VLG
Shadesheild 'L' green	3.66m cut lengths	SHA3.66LG/C	Windshield 1.83	1.83m x 50m	SHA1.83VLG
Shadesheild 'M' green	1.83m x 50m	SHA1.83MG	Windshield 3.66	3.66m x 50m	SHA3.66VLG
Shadesheild 'M' green	3.66m x 50m	SHA3.66MG	Windshield Clips see above (also Redpath® omega clip)		





# INSULATION FABRICS

## Silvershield™ Screen

Redpath Silvershield acts like a mirror with unique silver coating able to efficiently reflect light. Silvershield is often used as a retractable screen within the greenhouse & has superior heat reflective capabilities over standard "shade only" textiles. Silvershields air-permeable structure improves its performance in high humidity conditions.

Silvershield offers growers a direct "cooling effect" whilst improving light diffusion onto the crop. Silvershield may be used indoors or outdoors & it is UV stabilised for improved service life. It may also be used as a frost protection fabric if desired.

Silvershields knitted construction & mono oriented HDPE gives the textile further durability & longevity. Silvershield is



stocked by Redpath in a standard width of 4 metres with a roll length of 50 meters. Redpath offer a fabrication service & can supply 8m or 12 m wide rolls as desired. Contact Redpath for fabrication price.

## Advantages of Silvershield™

- ★ Light Diffusion
- ★ Reflective nature
- ★ Simple to install
- ★ Cost effective
- ★ Lightweight but strong
- ★ Energy efficiency
- ★ UV Stabiliser included



## Insulnet™

*"Knitted frost control and thermal fabric"*

Redpath Insulnet is an almost transparent knitted fabric for use in protecting crops from heavy rain, pests and light frosts\*. Insulnets' permeable construction allows air and moisture to travel through it but at a reduced rate. Insulnet is often used in low tunnel or cloche cover applications or as a horizontal curtain within a structure to create an overhead thermal barrier.

Insulnet provides minimal shading to the crop for improved crop performance in duller and cooler winter/spring months. Redpath Insulnet is available in 2 metre and 4-metre width rolls.

Insulnet is U.V. stabilised for improved outdoor life and can be rolled up and stored over summer months for re-use in winter.

Insulnet may be fastened to structure using wires, battens or Redpath Lockstrip (see page 7).

*\*Note: Insulnet will not protect from severe frosts or sub-zero conditions. Extra layers or an alternative protection system may be needed.*

## Insulation & Thermal Fabrics

Product	Roll Width	Length	Colour	Item Code
Silvershield	4m	50m	Silver	SILV4
Insulnet	2m	100m	Natural	INSUL2
Insulnet	3m	50m	Natural	INSUL3
Insulnet	4m	50m	Natural	INSUL4



# SCREENING FABRICS



## VENT-NET™

Redpath Vent-net is a combination of horticultural and agricultural textile technology that has been developed for the screening of ventilation systems on commercial greenhouse and livestock shelters.

By screening the natural ventilator openings, a producer can naturally exclude many larger insects, birds and other pests from the production area. This can reduce the impact of driving rain and side-winds into the structure and lower the incidence of crop disease and animal stress.

Vent-nets' "open strand" knitted construction provides superior air flow to maximise the natural cooling effect. Its white colour also offers minimal shade for improved light transmission into the production area.

Vent-net is manufactured from commercial grade U.V. stabilised polypropylene yarn for long life performance and carries a 3 year pro-rata U.V. warranty.

Redpath supply Vent-net on a "cut to length" basis at no extra cost, for efficient installation onto structures and reduced wastage.

Vent-net is available in roll widths of 2.4 metre and 4 metre to suit most applications.

## Biomesh™ Anti-Insect Mesh

Redpath polyethylene Biomesh is a closely woven anti-insect fabric used for a variety of applications. Biomesh may be used outdoors over a simple framework to effectively guard against pests as small as .50mm\*. Biomesh can be used in horticultural and agricultural structures covering ventilation openings to exclude insects.

Biomesh is constructed from a commercial grade of U.V. stabilised monofilament polyethylene.

It has a strand density of 32 strands per square inch. This provides an average opening between the strands of only half a millimetre. The white colour of this netting gives minimal shading. Biomesh may be joined by sewing or welding. Redpath "lockstrip" film/fabric fastening system may be used for reliable attachment to structural framework.

Biomesh is supplied in a standard roll widths of 3.0 metres and 5.0 metres wide and is supplied "cut to length" to the nearest metre to suit each users application. This reduces both expense and wasteful off-cuts.

\*Nominal measurement




### Screening Fabrics

Product	Roll Width	Length	Colour	Item Code
Vent-Net Screening	2.4m	Cut to Length	White	VENN2.4
Vent-Net Screening	4.0m	Cut to Length	White	VENN4
Biomesh Insect Net	3m	Cut to Length	Natural	BIO3
Biomesh Insect Net	5m	Cut to Length	Natural	BIO5

\*Nominal measurement





- ★ 80-90% water holding capacity and high air retention when processed correctly
  - ★ Improves physical and biological conditions of soil
  - ★ Slow decomposition, low compaction and better aeration
  - ★ Improved yields with existing enzymes, humus and nutrients
  - ★ High lignin and cellulous content
  - ★ Assists with protecting against bacterial and fungal soil disease when processed correctly
  - ★ Renewable resource
- 



- ★ Bedding plants
- ★ Potted plants
- ★ Greenhouse hydroponic crops
- ★ Plant pre-production
- ★ Potting soil additive as a moisture controller
- ★ Erosion and sediment runoff geotextile
- ★ Golf course and lawn repair substrate
- ★ Earth worm and mushroom production



# Redpath™ Riococo™

- ★ Coconut fibre is the 'Pith' and 'Fibre' materials that come from the coconut husks
- ★ Coconut fibre (also known as cocopeat) is an eco-friendly organic multi-purpose soil substitute and soil conditioner
- ★ Coconut fibre is an organic and renewable resource with numerous applications for horticultural, agricultural and commercial industries
- ★ Redpath Riococo's quality process of manufacture has been accepted worldwide as the best choice by leading growers
- ★ Visit [www.riococo.com.au](http://www.riococo.com.au) for many more details and applications of Redpath Riococo growing media



# AUTOMATIC SIDE VENTILATION



## Autowinder™ “motorised rollup vent”

Redpath Autowinders offer ‘peace of mind’ ventilation for wall vent systems. These robust 24 volt DC motor/gearboxes feature a built-in limit switch and will comfortably operate up to 50 metres of rollup wall style ventilation. Autowinders can be set up to operate on a manual switch by your electrician or if desired, the Redpath Autowinder electronic controller offers a simple ‘set and forget’ style temperature monitoring and control package.

Autowinders can be supplied individually, with coupling adaptors for rollup wall tubes or as a complete mounting package which includes the vertical roller guide.

The Autowinder electronic controller is available separately and will operate up to two motors/vents at one time. It incorporates a 240V/24v dc converter. The Autowinder controller has a digital display and is simple to programme with settings for your maximum and minimum desired temperatures plus motor timing/operation delay settings. Autowinder and Autowinder Controllers are very popular for both horticultural greenhouse applications and Ecoshelter® animal protection structures. Autowinders are easy to install onto most vertical sidewall structures of varied designs.

Autowinders offer the user reduced staffing costs, superior accuracy and consistency of the internal environment. The environment is also better managed when left unattended.



Autowinder™ Environmental Controller



Power box accepts open/close signal from your controller & supplies Autowinder with 24v DC current

### Autowinder™ and Controller

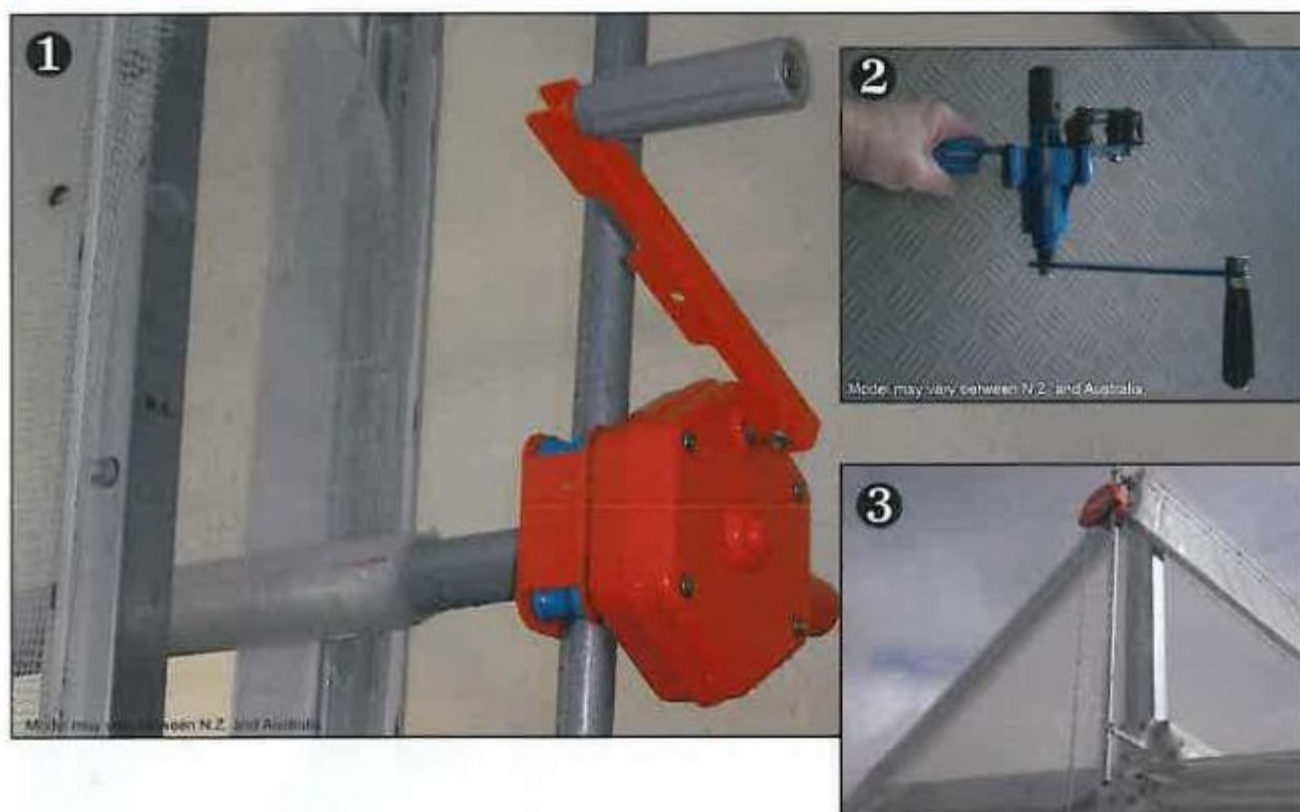
Component	Description	Item code
Autowinder motor/gearbox	24v dc, limit switch Included, rollup wall motor + coupling	AUTWMC
Autowinder complete	includes Roller guide and coupling (guide tube not included)	AUTWMG
Autowinder roller guide	Roller guide part only	AUTWRG
Autowinder controller (2 motor)	operates 2 autowinders, digital temperature setting	AUTWMC2
Autowinder (4 motor)	operates 4 autowinders, digital temperature setting	AUTWMC4
Power Box	Accepts open/close input signal in 24vAC or 24vDC from your controller to operate the Autowinder	AUTPB

Note: See Page 16 for all other sidewall ventilation components required.





# SIDEWALL VENTILATION



## EZIWINDER™ “roll up wall system”

The Redpath self-locking Eziwinder roll up wall design has been developed over the years, to become a simple-to-install, easy to operate, and cost effective ventilation system. A rollup sidewall ventilator can provide substantial air-flow throughout the structure and assist in moderating both temperature and humidity levels within the environment.

The Eziwinder system is popular for both greenhouse and stock Ecoshelter® applications.

The Eziwinder winch incorporates a unique self-locking gearbox that holds the rollup wall at a set opening position wherever desired by the operator. One Eziwinder winch will operate up to a 48m length wall. The Eziwinder winch is guided vertically by a steel guide tube. The guide tube is either driven or concreted into the ground and is also supported from the structure at its top. The guide tube is supplied in 3.8m lengths. A high tensile steel tube is used for the length of the roll up wall. It features specialised swaged ends for a “slide together” end to end fit plus it will resist sag and maintain good stability for the length of the rollup wall.

The Polyclamp clip has been developed to securely retain either the Polyweave reinforced rollup wall film (or other types of film/fabrics) onto the rollup wall steel tube. Install one polyclamp per metre.

Vent-net is a high air-flow netting manufactured for Redpath to provide a balance of good airflow and minimal shading. Vent-Net will repel most pests down to a size of approximately 5mm. Vent-net helps protect from wind gusts and driving rain.

### Eziwinder™ Roll Up Wall System

Component	Application/Dimensions	Item Code
Eziwinder Winch (Pic 1 & 2)	4:1 ratio, includes handle and coupling	EZIW4:1 (blue type in Aust)
Eziwinder chain type (Pic 3)	Chain operated for tall walls, sawtooth designs etc	EZIW4:1C
Eziwinder guide tube (Pic 1)	Steel Pipe, galvanised, 25.4 diameter x 3.80m length	EZIGT25.4
Eziwinder bottom guide tube bracket	(bottom) (not pictured)	EZIGTB8
Eziwinder adjustable guide tube bracket	(top) (not pictured)	EZIGTTB
Rollup wall tube	33.6mm O/D x 5.50m, swaged ended galvanised pipe	ROLUWT
Rollup wall tube joining screws	Post-drive tek screws for joining pipes	SCRPI6
Polyclamp	Clip for securing rollup film/fabric to rollup wall tube	POLCL
Polyweave film	Reinforced rollup wall film	See page 4
Vent-net	Side wall netting, cut to length 2.4m & 4m wide	See page 13
Poly belt strapping 25mm x 50m	Replaces vent-net if not used to retain wall	POLB25
Poly belt strapping 38mm x 50m	Replaces vent-net if not used to retain wall	POLB38



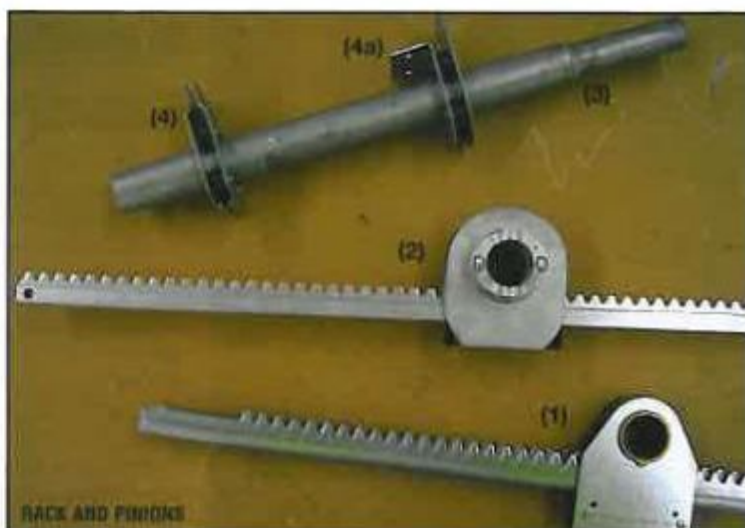
# ROOF VENTILATION/AUTOMATION



## Rack & Pinions

Redpath's robust rack and pinions offer a long life, low maintenance roof ventilation drive system. Available in both straight and curved design and in steel or aluminium construction. Redpath also offer a 'split cage' (item 2) rack & pinion which allows for replacement of the mechanism without the need to cut the ventilator drive tube. High tack "EP" grease is also available to ensure maximum life of your rack drive system. Contact Redpath to discuss the suitability of Redpath rack & pinions with your design.

*Call for pricing on curved racks.*



## Automatic Motor Drives

Redpath imports, assembles and distributes a range of quality European motor/gearbox drives. They are purpose designed for reliable operation within the greenhouse environment.

Redpath "direct drive" and "crosslink drive" systems incorporate built-in limit switches and they also include the output shafts ready for connection to the vent drive tube system.

The "crosslink" system is designed for driving multiple ventilators via a linked gearbox system. This system offers reduced cost on multiple span greenhouses via its lower setup costs for wiring and on-going maintenance.

The direct vent drive system is a popular and simple method of roof or side ventilator automation.



### Roof Ventilation/Automation Equipment

Item	Description	Item Code
Rack & Pinion Heavy Duty Ridder (1)	1.65m steel straight rack & pinion	RAC1.65
Rack & Pinion Aluminium (2)	1.5m aluminium with easy fit split cage design	RAC1.5A
Roof Ventilator Drive Pipe (torque tube) (3)	Heavy duty, 5.75m lengths, swaged end	VENTT
Torque Tube Support Bearings (4)	To suit torque tube, 4 roller type	VENTTB
Torque Tube Bearings "L" type (4a)	To suit torque tube, 4 roller, "L" mount	VENTTBL
Manual Gearbox 32.1 (5)	Chain driven manual roof gearbox	VENMANC
Grease for ventilators	450 gram cartridge	GRE450
Automatic Ventilator Drives (6)	3ph & 1ph + transfer boxes etc direct & crosslink systems	Call for pricing






# KERILEA CLOCHE SYSTEMS



## Kerilea Lo-Tunnel Cloche System

Beat the seasons with the Kerilea low tunnel cloche system manufactured by Redpath. There are a wide range of crops that will benefit in their early life by being protected from adverse weather conditions. The Kerilea Lo-Tunnel cloche system has shown proven benefits for strong early spring crop production & late autumn cropping with the system unique spring clip ventilation system offering improved ability to provide a temperate micro-environment around the plant, free from extreme wind, hail, rain & light frosts (depending on the options of covering used). Reports from growers indicate that there is an advantage to harvesting of between 4-8 weeks when using the Kerilea system & its unique "spring clip" ventilation system. The Kerilea cloche frame "roll formed" from steel profile gives superior strength & longevity to the grower & it is a very efficient & speedy system to install/uninstall both frames & the covering. Ease of access for crop management through the side of the Kerilea Lo-Tunnel is another strong design feature of the system. The Kerilea Lo-Tunnel system is available in a range of 14 standard profiles & is supplied in packs of 25 frames & wire clips each (poly not included). Pricing is based on quantity ordered, the 1-10 pack rate is shown in the pricelist at rear. Frame spacing is dependant on ground conditions, crop needs & wind exposure of the site.

### Frame dimensions/profiles

 **S600L**  
600mm W x 300mm H

 **S600H**  
600mm W x 550mm H

 **S800L**  
600mm W x 500mm H

 **S800H**  
800mm W x 650mm H  
(S800HP also available)

 **S1000L**  
1000mm W x 450mm H

 **S1000H**  
1000mm W x 550mm H

 **S1000HP**  
1000mm W x 1000mm H

 **S1500L**  
1500mm W x 600mm H

 **S1500H**  
1500mm W x 750mm H

 **S1500HP**  
1500mm W x 1600mm H

 **S1.3 hydroponic**  
1300mm W x 800mm H  
(6 troughs wide)

 **S1.8 \* S2.0 hydroponic**  
1800mm W x 900mm or 1000mm H  
(8 troughs wide)

### Frame Profile

Item	Description, Dimensions, Pack Size	Item Code
S600G Kit Picture 3	Home garden pack, 3 x frames/clip & poly in carry box	CLOG600
S600L Frame	25 frames/clips per pack 600mmW x 300mmH	CLO600L
S600H Frame	25 frames/clips per pack 600mmW x 550mmH	CLO600H
S800L Frame	25 frames/clips per pack 800mmW x 500mmH	CLO800L
S800H	25 frames/clips per pack 800mmW x 650mmH	CLO800H
S800HP Frame	25 frames/clips per pack 800mmW x 1400mmH	CLO800HP
S1000G Kit Picture 3	Home gardener pack, 5 x S1000L frames/clips & poly in carry box (still under development)	CLO1000G
S1000L Frame	25 frames/clips per pack 1000mmW x 450mmH	CLO1000L
S1000H Frame	25 frames/clips per pack 1000mmW x 550mmH	CLO1000H
S1000HP Frame	25 frames/clips per pack 1000mmW x 1000mmH	CLO1000HP
S1500L Frame	25 frames/clips per pack 1500mmW x 600mmH	CLO1500L
S1500H Frame	25 frames/clips per pack 1500mmW x 750mmH	CLO1500H
S1500HP Frame	25 frames/clips per pack 1500mmW x 1600mmH, Birdnetting, Windscreening etc	CLO1500HP
S2000	25 frames/clips per pack, 2000mmW x 900mmH	CLO2000
S1.3 Hydro Frame	25 frames/clips per pack, 1300mmW x 800mmH, for hydroponic bench top, 6 troughs	CLO13HY
S1.3E Hydro End Frame	Supplied individually, reinforced 1300mmW x 800mmH, frame for end of bench only	CLO13HYE
S1.8 Hydro Frame	25 frames/clips per pack, 1800mmW x 900mmH, for hydroponic bench top, 8 troughs	CLO18HY
S1.8E Hydro End Frame	Supplied individually, reinforced 1800mmW x 900mmH, frame for end of bench only	CLO1.8HYE
S2.0 Hydro Frame	25 frames/clips per pack, 2000mmW x 1000mmH, for hydroponic bench top	CLO2HY
S2.0E Hydro End Frame	Supplied individually, reinforced 2000mmW x 1000mmH, frame for end of bench only	CLO2HYE

*Plastic film is not supplied with cloche frames unless stated*



# Cloche Film & Walk-in Hi-Tunnel



Hydroponic Bench Cloche



Cloche over mulch film

## Redpath/Kerilea Cloche Film (Keritough):

Keritough plastic film is offered in three different thicknesses to suit the individual applications that growers might have. The 'One star' 50 micron thickness film offers a cost effective solution to temporary spring crop cover & works well in sheltered locations. The 70 micron 'Two star' Keritough film offers growers a longer service life & uses virgin only polymer for consistent performance & clarity. The 70 micron thickness also provides improved frost protection\*. Keritough 'Three star' cloche film includes Kerilea's U.V. inhibitor package & its 110 micron thickness ensures the best durability & life of the Keritough range. Keritough greenhouse film 200 micron to suit the Kerilea range of orchard & greenhouse structures is also available. Pro-rata 45 month UV warranty applies. One standard width of 3.3m only (not available in Australia).

## Redpath/Kerilea "Walk-in" Hi-Tunnel:

Redpath/Kerilea 'walk-in' Hi-tunnels are an affordable approach to crop or stock covering on a temporary - relocatable basis. The Hi-tunnel design utilises cable stays placed under tension & thus avoids the high cost of a more substantial solid framed & or concreted style structure. Redpath/Kerilea 'walk-in' high tunnels have a multitude of uses around the farm including, Stock shelter & crop protection. Their simple & speedy construction also allows them to be easily disassembled & moved new locations. Heavy duty long life Duratough 200micron greenhouse film (as used on the Redpath greenhouse range) is also used on the hi-tunnel design for superior cover reliability. Kerilea Hi-tunnels may be clad in alternate materials such as Shadecloth or Birdnetting with ease. Redpath/Kerilea walk-in tunnels are 5m wide & can be constructed from 12m length up to 100m length.



Kerilea walk-in high tunnel



Kerilea walk-in high tunnel

*\*Note: Cloche will not protect from severe frosts or sub-zero conditions. Extra layers or an alternative protection system may be needed.*

Cloche Film / Frame type	Description, Dimensions, Pack Size	Item Code
600P5	Fits CLO600 series 1120mm x 250m x 50 micron	CLOF6
800P5	Fits CLO800 series 1620mm x 250m x 50 micron	CLOF8
1000PL5	Fits CLO1000L series 1760mm x 250m x 50 micron	CLOF1L
1000PH5	Fits CLO1000H series 1960mm x 100m x 50 micron	CLOF1H/50
1000PH5	Fits CLO1000H series 1960mm x 250m x 50 micron	CLOF1H
1500PH5	Fits CLO1500L & H series 2650mm x 100m x 50 micron	CLOF15/50
1.8/2P5	Fits CLO18HY & CLO2HY series 3400mm x 100m x 50 micron	CLOF18/2
KERITOUGH	200 micron long life greenhouse film, 3.3m width, UV stabilised, 45 month pro-rata UV warranty (see price list)	KERIT





# COOLING FANS / STIRRER FANS



*"Evaporative cooling is one of the most efficient ways to reduce temperature"*

## Aircool, centrifugal disc fan water cooling system

Redpaths Aircool centrifugal evaporative fan cooling system is ideal for use in greenhouses, livestock sheds and many other applications.

Aircool does not require the use of complicated high pressure-pumps/lines, mist nozzle filters or compressors. Redpaths Aircool fan uses a unique high-speed water disc centrifuge that atomises water at mains pressure (1 – 6 bar) into a super-fine spray. It does not suffer, therefore, from the typical clogging of nozzles or have the high maintenance of other systems.

The water disc atomising centrifuge operates at a very high rpm using its own separate motor drive. It is located in line with the fans exhaust outlet, which efficiently disperses a body of cooling water vapour.

Redpaths Aircool fan unit can be expected to reduce internal air temperatures by 4-8 degrees\* and in some cases will reduce air temperatures below that of outside air. \*

\* Aircool produces a droplet size ranging from 10-25micron, dependent on the set flow rate. The evaporation rate and achieved performance is dependent on the environments' relative humidity and droplet size produced by the Aircool.

Aircool is not designed for chemical application.

### FEATURES

- Centrifugal water atomising disc eliminating nozzles.
- Easy installation and low maintenance.
- Adjustable water volume.
- Operates on mains pressure.
- Individual operation of air fan and atomising disc.
- Heavy duty powder coated steel.
- Up to 25% greater coverage with optional rotator attachment.
- Tolerant of poor water quality.

### BENEFITS

- Effective temperature reduction.
- Reduced plant/animal stress.
- Economic operation.
- Particularly effective in high temperature/low humidity situations.
- Effective humidity management tool.
- Maintains a more natural and comfortable working environment.



## VORTEX horizontal air movement fans

### FEATURES

- Low running cost 200w motor
- Corrosion resistant body
- Four suspension hooks standard
- Corrosion resistant impeller
- Double end safety grilles
- 12 month parts warranty
- Efficient cone shaped air intake body
- Support cables and fittings supplied

### BENEFITS

- High air flow (1 fan per 400 sq metres)\*
- Reduced air stratification
- Improve CO<sub>2</sub> distribution
- Helps prevent 'calm' pockets of air
- Reduces heating costs
- Balances humidity levels
- Reduced fungal and respiratory disease

### For Greenhouses

Vortex fans generate a steady flow of air movement within the structure, to help create a more natural environment. In greenhouses this will improve the efficiency of a plants natural evaporative cooling process (transpiration) and reduce plant stress. Continuous air movement will also help to lower the incidence of fungal diseases, as crop foliage is kept drier. Maintaining air movement within an enclosed space such as a greenhouse is also important for the prevention of temperature, humidity, carbon dioxide stratification (layering) & dispersing carbon dioxide throughout the crop. Vortex fans will also assist in preventing the formation of 'calm air' pockets within a structure as these can cause large temperature and humidity fluctuations.

\* May vary dependent on crop and conditions.

### For Ecoshelter® Animal Housing

Air movement in an animal shelter is essential for animal health. It can reduce the incidence of respiratory diseases and heat stress in the animals. Stirring of the air assists in the prevention of excessive temperature and humidity stratification as well as reducing the incidence of disease caused by localised build up of toxic gases from animal respiration and from the breakdown of the animal faeces and urine. Vortex fans can be particularly useful, in warm calm conditions, for dispersing odours.

### Air Circulation Fans and Aircool Fans

Model	Description	Item Code
Aircool Fan	610mm twin motor water cooling fan including recycler	AIRCF
Aircool Rot	Automatically swivels the air cool fan (90° cycle)	AIRCROT
Vortex Fan	Horizontal Air Flow Fan	VORFAN



# EXTRACTION FANS & HUMY PADS



## EUROEMME FANS

*"When you want the best – the choice is simply "Euroemme"*



### REDPATH EUROEMME EXTRACTION FANS

The square fan housing & air conveyor (venturi) are made of strong galvanised steel sheet. The six blade stainless steel propeller is statically & dynamically balanced to provide reduced noise & lower vibration levels. Euroemme fans are developed in a specialised R & D test chamber according to ANSI & AMCA specifications. The quality vee belt pulleys are supported by a double ball bearing design which is additionally protected to prevent water ingress. Euroemmes's unique fan design provides one of the lowest energy consumption & noise levels yet has one of the highest flow performance levels. The patented shutter operating system gives minimal energy & air drag. Any plastic parts used are high quality acetal.

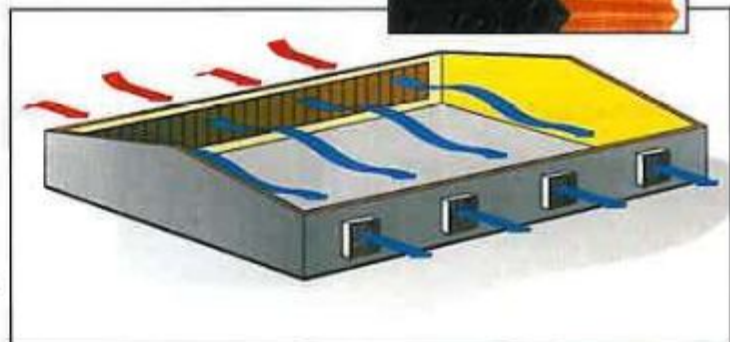
#### FEATURES

- Superior build quality
- Parts and services support
- Statically & dynamically balanced stainless steel blade
- Patented centrifugal shutter system for positive action
- All motors pre-tested during assembly
- Low resonance & reduced noise
- Quality double ball bearing pulley designs
- 12 month parts warranty

## REDPATH EVAPORATIVE COOLING HUMI PADS

#### FEATURES

- High evaporative efficiency
- Superb wetting properties
- Lower pressure drop when wet
- Low scaling properties
- Strong & self supporting
- Long life design
- Environmentally friendly
- Quality Italian manufacturer



*Always use a qualified electrician for wiring installation.*

### Euroemme Fan & Pad System

Size	Description	Item Code
EM50 Extraction Fan	40,800m <sup>3</sup> /h 1.5hp, 3ph, 1380rpm, 1270 stainless steel blade, pyramidal mesh	FANEM50ASM
EM36 Extraction Fan	19,880m <sup>3</sup> /h .75hp, 3ph, 1380rpm, 915 stainless steel blade, pyramidal mesh	FANEM36ASM
EL600 Extraction Fan	10,000m <sup>3</sup> /h 1ph, 900rpm, 600mm blade, NZ made, Polywall Fan <i>Fans also available in 'knock-down' form</i>	FANEL600
Humi Pad 1000	1000mm H x 600mm W x 100mm thick <i>Aluminium Humi pad frame systems also available – please call for pricing</i>	HUMI1





# TWINSKIN EQUIPMENT



"Twinskin" greenhouse designs typically use air pressure to separate the two layers of their polyethylene cladding. Twinskinning offers unbeatable thermal efficiency and excellent reliability due to their pre-tensioned pressurised covers. Redpath offer a full range of componentry for a twinskin structure's maintenance needs.



## Twinskin Blowers

### Inflation fans

Redpath assemble and supply a range of twinskin inflation fans to suit most greenhouse applications and designs.

The Polyfan™ is a wall mounted unit (photo A) dedicated twinskin greenhouse fan that is corrosion resistant. Its sealed motor gives superior life. It comes complete and is enclosed in a plastic case with an adjustable intake valve to regulate the twinskin/air pressure and having dual air outlets.

Redpath also stock a range of 240 volt blowers that offer cost effective performance. (see items B & C)

Note: Always use a manometer to ensure correct inflation pressure.

### Twinskin Fans

Model	Size	Item Code
(A) Polyfan	twin blower	INFBC
(B) IF90C	small	INF90C
(C) IF160C	twin blower	INF160C

*1 Year Warranty applies to all fans.*

We recommend using a manometer.  
Consult an electrician for wiring.



## Twinskin Air Pipe Flanges

The new Redpath air pipe flange system will securely retain the twinskin transfer air pipes and help prevent leakage of pressure, due to their positive fit and clamping design.

Air transfer pipes require secure attachment as they can be exposed to substantial vibration and movement when the greenhouse covers are exposed to high wind loads. If air pipes are allowed to fall out then twinskin air pressure may be lost from the cover and damage may occur.

Note: A locking pin may be required to secure pipe in high wind areas.

Air Pipe Flanges	Item Code
(D) To suit 65mm pipe	INFAPF

## Air Transfer Pipe

65mm diameter black ribbed pipe for transferring twinskin inflation air pressure from section to section.

Airpipe	Item Code
(E) 65mm Black – per mtr	INFAP
65mm Black – 30 mtr roll	INFAP30
65mm Black – 20 mtr roll Australia	INFAP20

## Manometer

### Twinskin pressure gauge

This simple gauge will indicate pressure between the two layers of twinskin covers. A manometer (G) will help to ensure that over-inflation does not occur, by maintaining an even pressure within the cover and increase the films service life.

Manometer	Item Code
(F) Single Water Gauge (basic)	INFMAN



# COOLSHADE SHADEPAINTS & REMOVER



## REDPATH "COOLSHADE" Greenhouse Shade Paint

### ADVANTAGES

- ★ Adheres to plastic or glass
- ★ Becomes translucent when wet on dull days
- ★ Effective cooling pigmentation formula
- ★ Good performance in harsh weather conditions
- ★ Easy application
- ★ Easy removal with Redpath "Cool-Off" shadepaint remover
- ★ Increase the life of plastic on poly greenhouses

### FEATURES

- Excellent reflection of shortwave infrared rays from 800-2000 nanometers
- Used in the European greenhouse industry for more than 15 years
- Redpath "Cool-Off" paint is 95% biodegradable within 7 days of removal
- Does not contain dangerous substances according to the EEC directive 67548.

### APPLICATION

- ★ By spray gun or roller onto clean surface that is grease/dirt free.
- ★ Yield = 1kg of concentrate covers approximately 55m<sup>2</sup> at about 45% shade.
- ★ Remove with Redpath "Cool-Off" agent, disconnect water run-off pipes if used for crop supply



### DILUTION

- ★ With cold or warm water
- ★ Dosage according to your shade needs
- ★ Approx 1kg Coolshade to 5 or more litres of clean water



## REDPATH "COOL-OFF" Coolshade Removal Agent

Non flouric acid formula for non-etching of glass

Cool-Off removal agent

### 1. Apply Cool-Off

### 2. Leave to foam (do not allow to dry)

### 3. Hose off



*\*Yields performance of Shadepaints & remover will vary in accordance with: percentage of shade needed, equipment used e.g. sprayer, roller or helicopter, speed of application, rate of dilution. Refer to instruction sheet for further details.*



### Coolshade & Cool-Off

Size	Description	Item Code
15kg pail Coolshade	Shadepaint white sprayable	COOLSHD
12kg pail Cool-Off	Coolshade removal agent	COOLOF





# GREENHOUSE CLEANERS & COATINGS



## DURACLEAN™ Greenhouse film exterior cleaner

Duraclean cleaner is a heavy-duty detergent sanitiser that will help lift dirt, and degrease the surface, whilst leaving a residual barrier helping to prevent algae regrowth. Duraclean is biodegradable and contains mild organic solvents to assist in breaking down and removing dirt buildup.

Supplied in a 2ltr container, Duraclean greenhouse film cleaner can be diluted to a ratio of 50:1 and can clean up to 600 sq/m per 2 litre container

*Note: Take care to follow safety instructions on label. Keep out of reach of children.*



## Sunclear® AntiFog Greenhouse film treatment, anti-condensation spray.

Sunclear is a non-toxic sprayable coating that converts the normal hydrophobic (non wettable) surfaces of plastics and metals into a hydrophilic (wetable) condition. Many growers are aware that excessive condensation can cause poor light transmission, reduced humidity control, wet plants via drips, and increase heating costs.

Most greenhouse films manufactured today contain an anti-fog agent, however this treatment generally does not last for the life of the film and will progressively "wash out" as the film ages. With Sunclear, growers can re-apply an anti drip surface and regain the "non-drip" benefits.

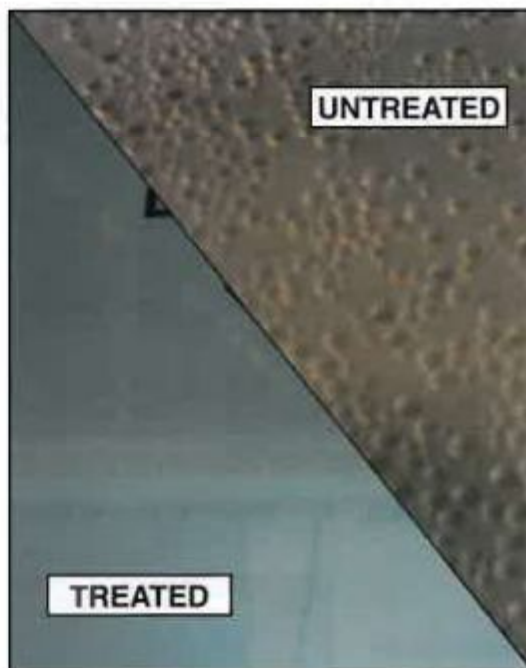
Sunclear is supplied in a 1ltr container and has a typical dilution ratio of 50:1. One litre is generally sufficient to treat an area of up to 1000 sq/m in diluted form. Sunclear is usually applied by knapsack sprayer.



1 LITRE SUNCLEAR



19 LITRE PAIL SUNCLEAR



### Cleaners & Anti-Condensate

Product and Size	Description	Item Code
Duraclean	2 Ltr bottle makes up to 100 Ltrs	DURCLN
Sunclear	1 Ltr bottle makes 50 Ltr solution	SUNCLR



# CROP SUPPORT NETTING



## Floranet® – crop netting

Floranet is a high strength 100% polypropylene flower and vegetable support mesh. It provides crop row stability and assists in preventing stem and bloom damage. Plastic netting can offer less stem abrasion than traditional wire netting and is cost effective and easily disposed of.

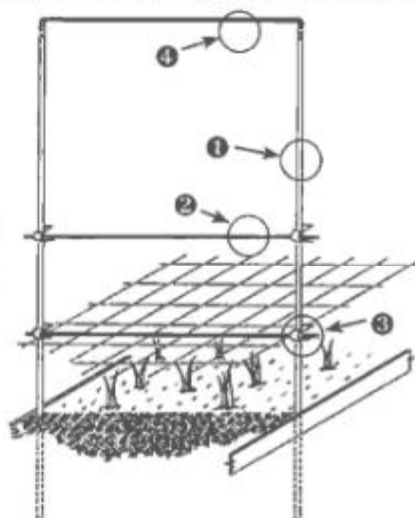
A feature of the Floranet product is its distinctive red mesh colour. This makes the netting highly visible amongst dense crop foliage for improved handling and reduces accidental cutting. Floranet is the only plastic crop netting to carry a 12 month pro-rata U V warranty and it is supplied in efficient 1000m length rolls. Floranet is supplied in three different widths to suit most horizontal and vertical crop applications. (Not available in New Zealand).

## Galvanised Steel Frames

There are four main components to this galvanised steel frame netting support system. The system is used to set and adjust the various layers of floranet crop netting. The support struts<sup>1</sup> are supplied in two lengths of 1.5m and 2m and are placed in pairs, one on each side of the bed. The mid-bars<sup>2</sup> are placed across the bed and threaded through the netting to position and support it. The stainless steel Floraclips<sup>3</sup> are used to retain and adjust the mid bars and netting at the desired level.

The top bars<sup>4</sup> slot into the end of the support struts and help maintain stability. This system is lightweight and simple to assemble. All components promote a hygienic growing area.

Braced end frames not supplied.



## 'No slip' Floraclips™

Everlasting stainless steel clip for securing the mid bars and netting at desired levels. Floraclips are unaffected by heat, chemical sprays and ultra-violet radiation and thus provide reliable non-slip performance for many years. Floraclips are supplied in minimum pack lots of 100.

### Flower Netting, Support Framework and Floraclips

Item	Size	Description	Item Code
Floranet 8 square wide	1m x 1000m	125mm x 125mm mesh (Australia only)	FLO8
Floranet 7 square wide	1.2m x 1000m	170mm x 150mm (Australia only)	FLO7
Floranet 6 square wide	1m x 1000m	170mm x 150mm (Australia only)	FLO6
Floraclips	Minimum Pack size 100	Stainless Steel	FLOCL
Top Bar	1020mm long	for 1m wide bed	FLOTBS
Top Bar	1200mm long	for 1.2m wide bed	FLOTBL
Mid Bar	1070mm long	for 1m wide bed	FLOMBS
Mid Bar	1250mm long	for 1.2m wide bed	FLOMBL
Strut Uprights	1500mm Tall	12.7mm tube	FLOSS
Strut Uprights	2000mm Tall	12.7mm tube	FLOSL





**Redpath®**

# STRUCTURES SECTION







# SUPER LIGHT™

**DESIGN #9200SL**

Curved Rafter Reg. Design No. 25666

**RAISED  
RIDGE  
VENTILATOR  
DESIGN!**



**“When you need the light transmission of glass & the thermal efficiency of poly”**

The Super Light greenhouse design combines Redpath's industry leading cosecant rafter technology with a 'Singleskin' roof cladding for brilliant light transmission all year round.

This structure offers superior P.A.R. (photosynthetic active radiation) to the crop, to help maintain high crop production levels during overcast days and the shorter duller days of winter.

The special extra heavy duty Duratough® greenhouse film used on the Superlight design has an EVA base that assists in holding night-time temperatures & reducing the growers energy consumption.

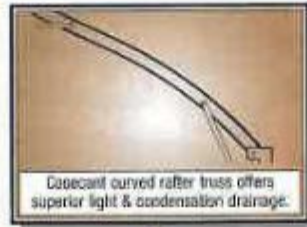
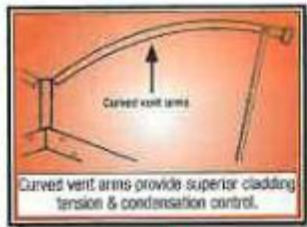
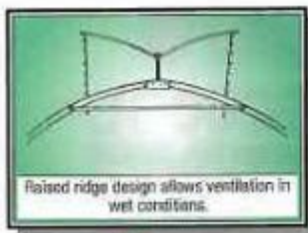
The patent pending Redpath raised ridge greenhouse vent is also incorporated – giving up to 30% improved ventilation opening in many conditions.



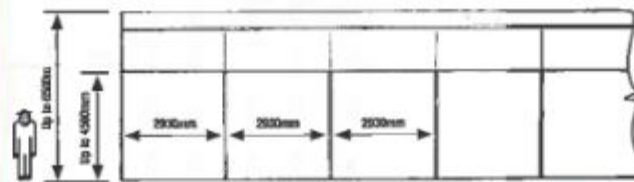


# SUPER LIGHT SERIES 9200SL

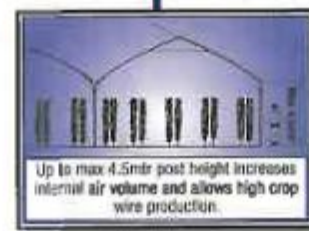
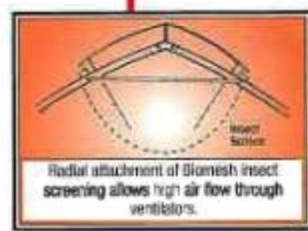
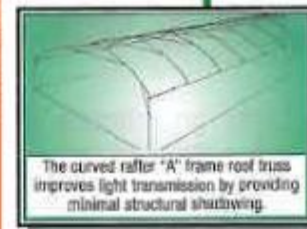
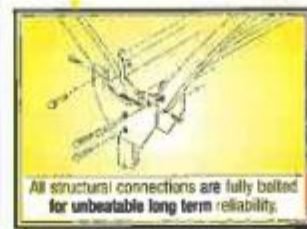
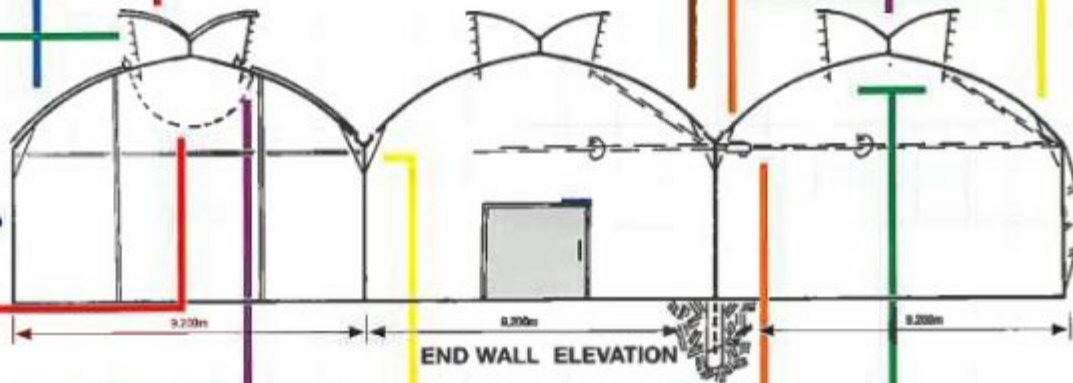
## SPECIFICATIONS AND OPTIONS



### SIDEWALL ELEVATION



### END WALL ELEVATION



Above illustrations may not be to scale.

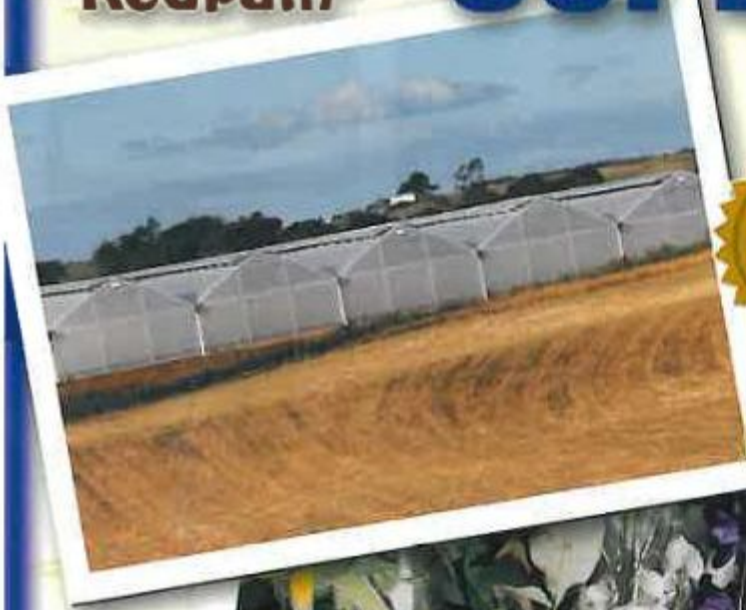




# SUPER-TWIN™

**DESIGN #9200FI\***

Curved Rafter Reg. Design No. 25666



*J. Norton, Christchurch*



## **“Cosecant curved rafter roof profile gives growers unbeatable greenhouse performance”**

Redpaths Super-Twin design has been developed to meet the many needs of the modern grower.

This structures cosecant curved rafter design has been developed by Redpath in line with the latest overseas technology and has many fundamental advantages over traditional straight rafter designs.

A curved rafter provides superior light transmission, speedy and controlled drainage of internal condensation and improved airflow and humidity control. This feature-packed greenhouse design boosts both crop production and crop quality.

Super-Twin is ideal for the year-round production of vegetables and high quality export flower crops. Substantial roof ventilation is offered by Super-Twin and this model introduces to Australasia the Redpath registered design "raised ridge" roof vent technology which gives up to 30% improved ventilation over typical Double Ridge ventilated greenhouses.

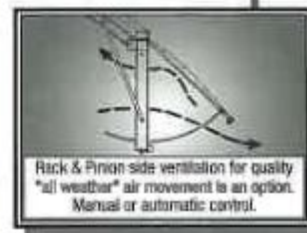
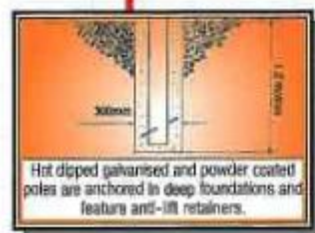
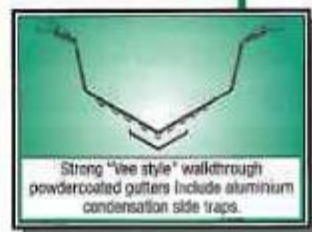
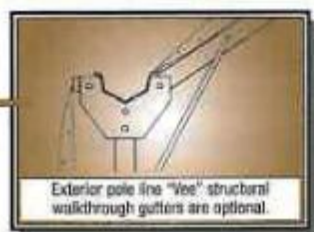
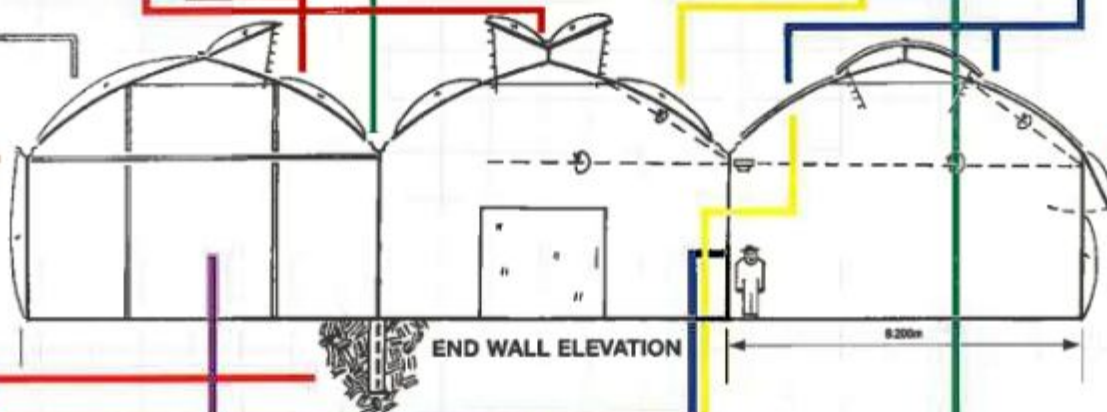
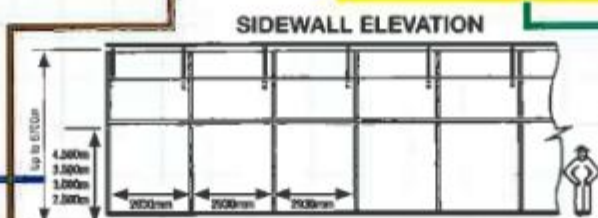
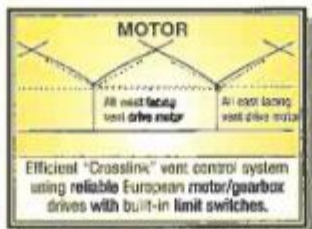
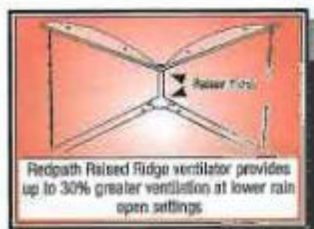
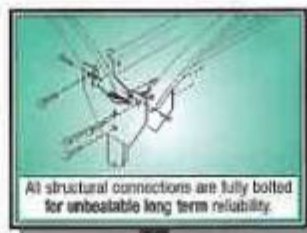
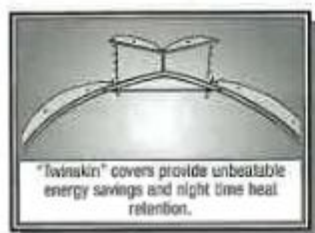
Super-Twin utilises low maintenance long-life materials for reduced operator running costs. These include low maintenance rack and pinion ventilator drives, hot-dipped galvanised steel sections at all critical points, fully bolted structural connections, long life Duratough® heavy duty full gauge greenhouse film is utilised.





# SUPER-TWIN SERIES 9200FI

## SPECIFICATIONS AND OPTIONS



Above illustrations may not be to scale.

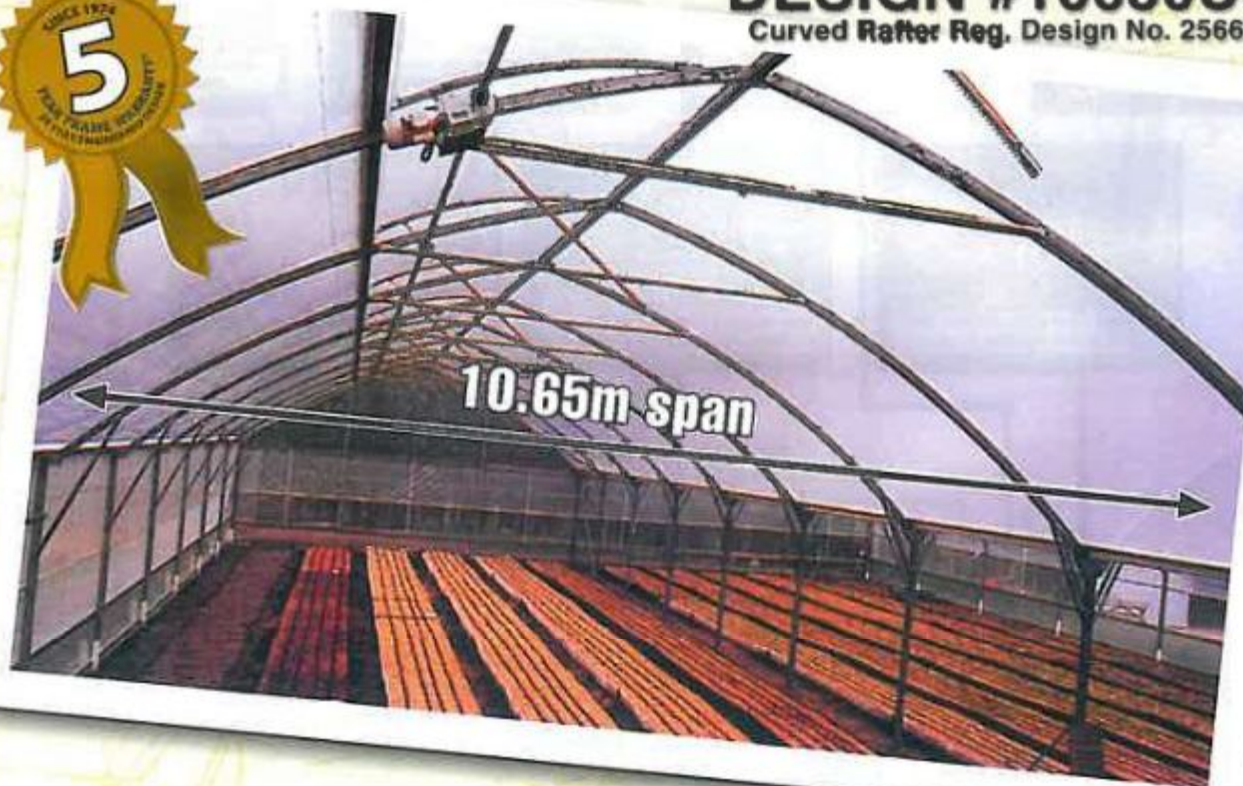




# ULTRASpan™

**DESIGN #10650US**

Curved Rafter Reg. Design No. 25666



## **“A high air volume clear-span structure with quality rack and pinion roof ventilation”**

Redpaths' Ultraspan Greenhouse has been developed for the medium to large horticultural operator.

Ultraspan's 10.65 metre clear span portal truss provides the owner with greater crop management flexibility.

The Ultraspan cosecant curved rafter design allows greater light transmission to reach the crop whilst giving improved collection and control of any internal condensation.

Ultraspan's very large above-crop air volume (buffer zone) keeps excessive heat away from the crop head height, therefore assisting in the reduction of crop stress in warm or humid conditions.

This large overhead buffer zone also allows the rack and pinion ridge ventilation system to moderate and better manage the rise and fall of internal air temperatures, giving a more natural and consistent growing environment.

Ultraspan includes as standard, external pole line "vee" walkthrough gutters, providing the operator with speedy access to the roof area of the building. This simplifies the application of shade paints, general maintenance or cleaning.

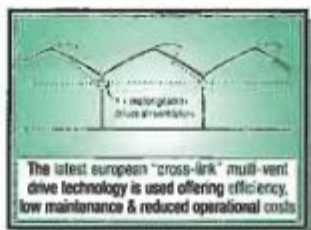
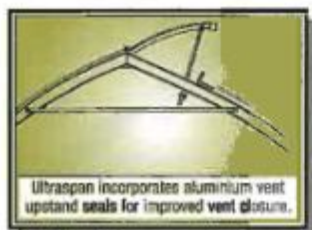
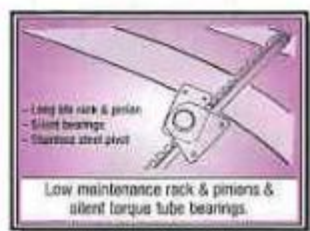
Ultraspan is supplied with Redpaths' standard 5 year gold series frame warranty.



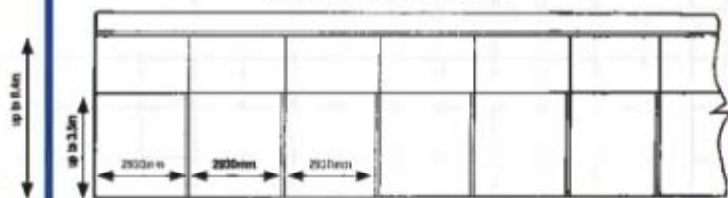


# ULTRASpan SERIES 10650US

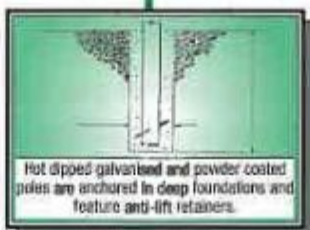
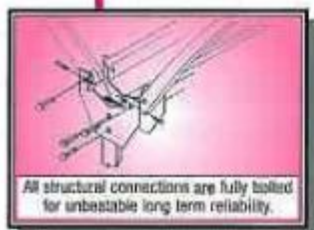
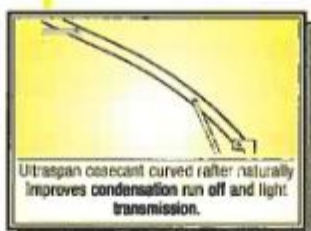
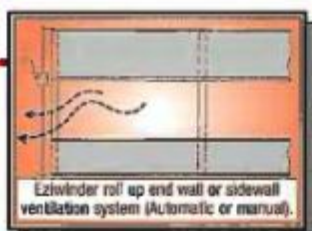
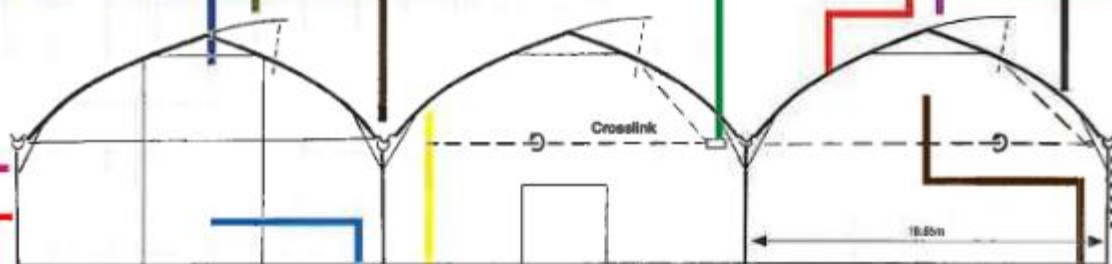
## SPECIFICATIONS AND OPTIONS



SIDEWALL ELEVATION



END WALL ELEVATION



Above illustrations may not be to scale.

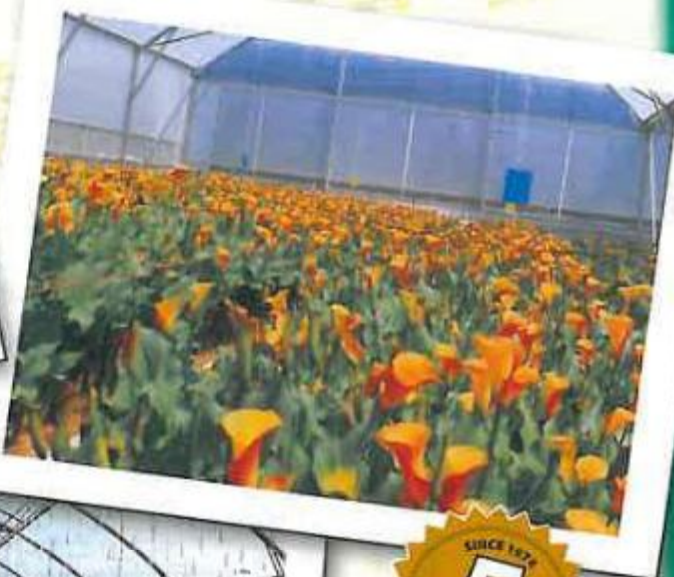
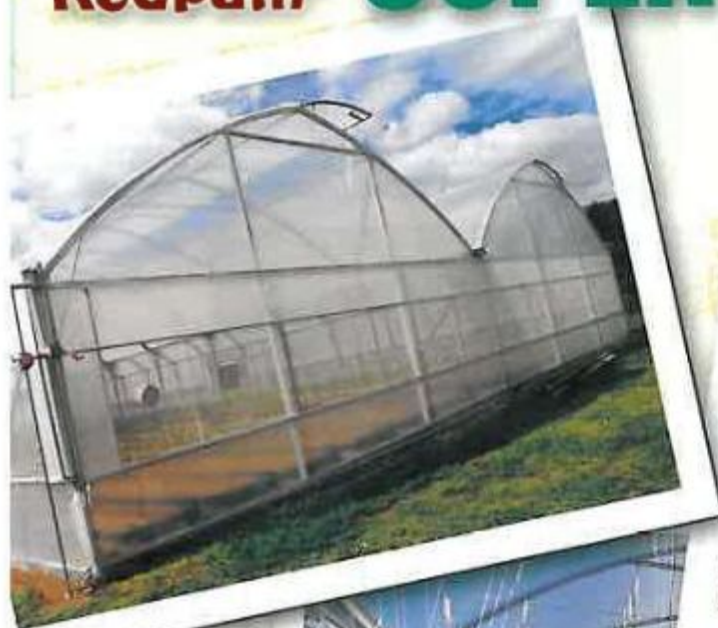




# SUPER SINGLE™ "SVR"

**DESIGN #9200SVR**

Curved Rafter Reg. Design No. 25666



## "Super Single - single skin, single ridge ventilation, curved rafter truss greenhouse"

Redpaths super-single design incorporates features from both "Super-Twin" and "Superlight" models. It combines the efficient and effective "Eziwinder" rollup sidewall ventilation system with quality full length rack and pinion roof ventilation.

This combined thru-ventilation system provides growers with a highly efficient environmentally controlled structure at a reasonable cost. Both the roof ventilation and roll-up-wall ventilators can be fully automated with electric motor drives operated by Redpaths own computer controller.

All of the advantages of the Redpath cosecant curved truss are still available to the operator allowing excellent production potential for high quality export flower and local seasonal vegetable crops.

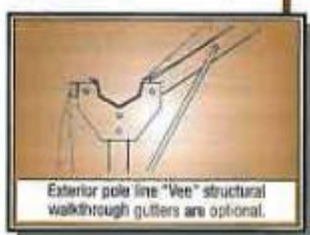
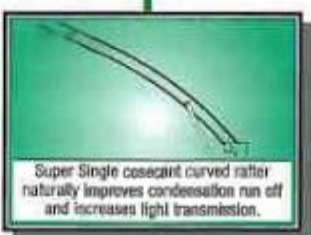
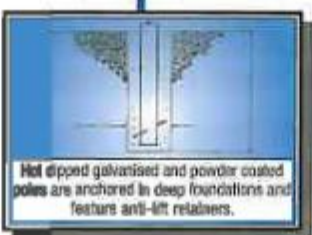
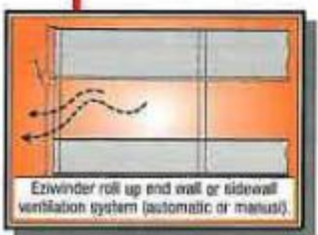
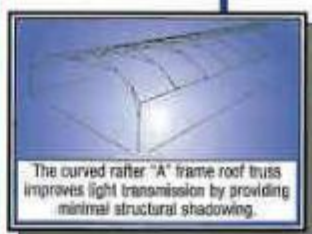
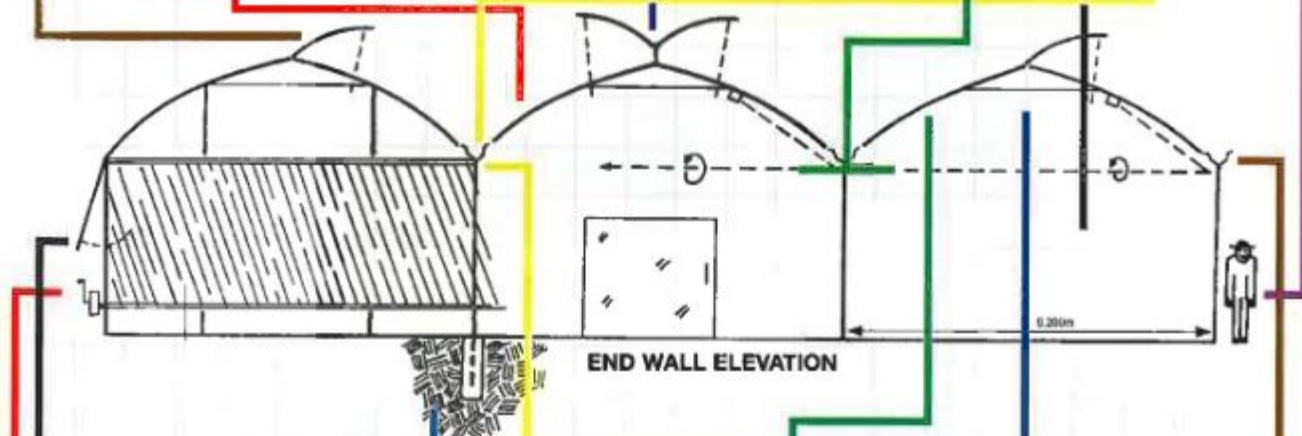
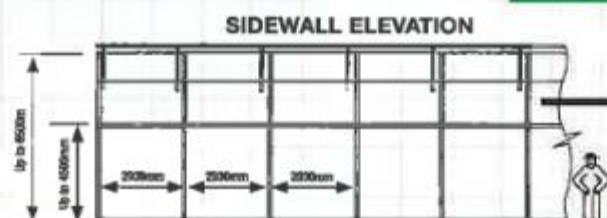
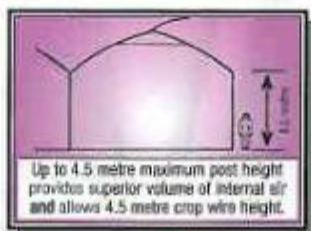
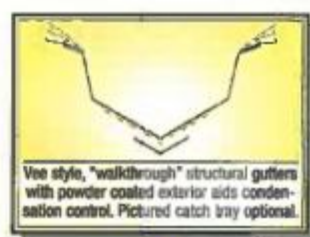
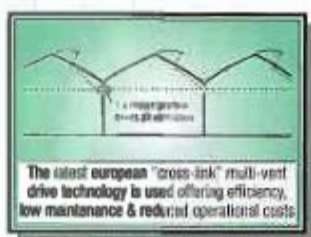
The Super Single 9200 SVR is supplied standard with heavy-duty long life Duratough greenhouse film.





# SUPER SINGLE SERIES 9200SVR

## SPECIFICATIONS AND OPTIONS



Above illustrations may not be to scale.





# CROP COVER™

DESIGN #9100CC



## “Clear span design provides greater internal air buffer for improved control”

Redpaths' 9.1 metre width crop cover offers improved flexibility for seasonal cropping. The wider span, when combined with a sidewall height of up to 3.5 metres high, allows enhanced control of humidity and temperature fluctuations.

The large span also allows greater options when planning plant row and walkway width spacing.

The 9100CC Crop Cover series is an economical design that utilises an all “bolt together” frame/portal. This allows speedy and efficient construction on site by the owner or by Redpaths' builders.

Heavy-duty Duratough® long-life greenhouse film with an anti-condensate feature is used as standard on the Crop Cover range. This can be supplied in singleskin or thermally efficient “twinskin” cladding.

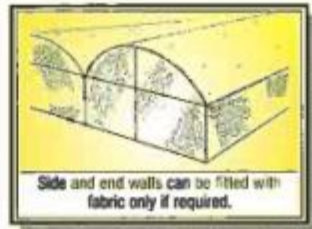
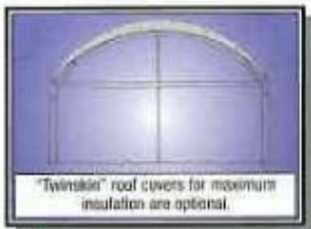
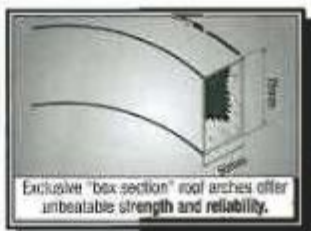
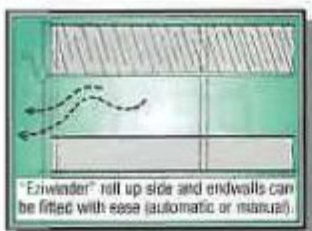
The 9100cc model includes, as standard, the Redpath Eziwinder rollup wall system along both sides of the structure. These may be automated as an optional extra.

Crop Cover is suitable for many applications including floriculture, nursery propagation or for seasonal vegetables.

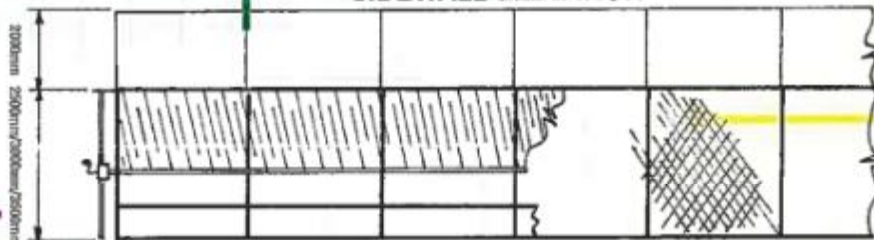




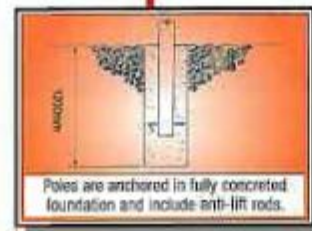
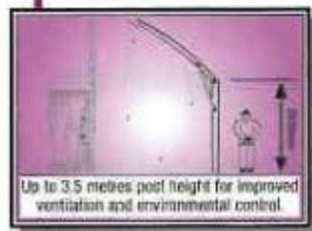
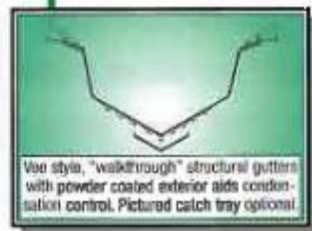
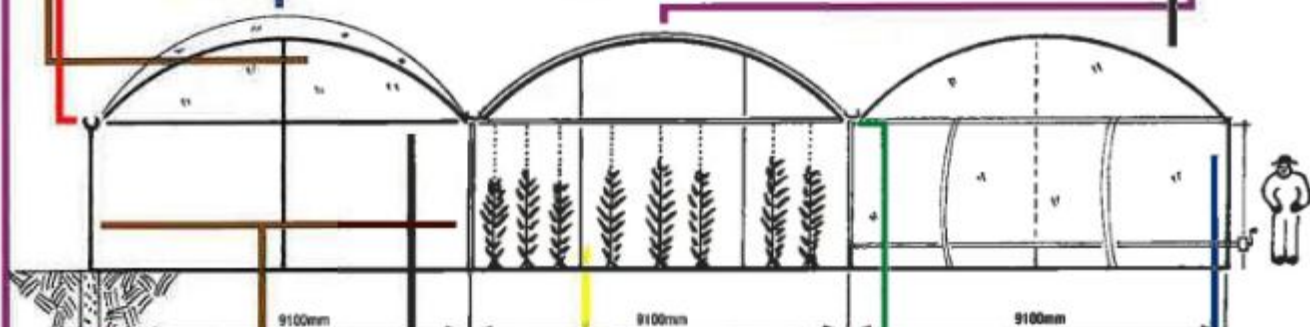
# CROP COVER SERIES 9100CC SPECIFICATIONS AND OPTIONS



**SIDEWALL ELEVATION**



**END WALL ELEVATION**



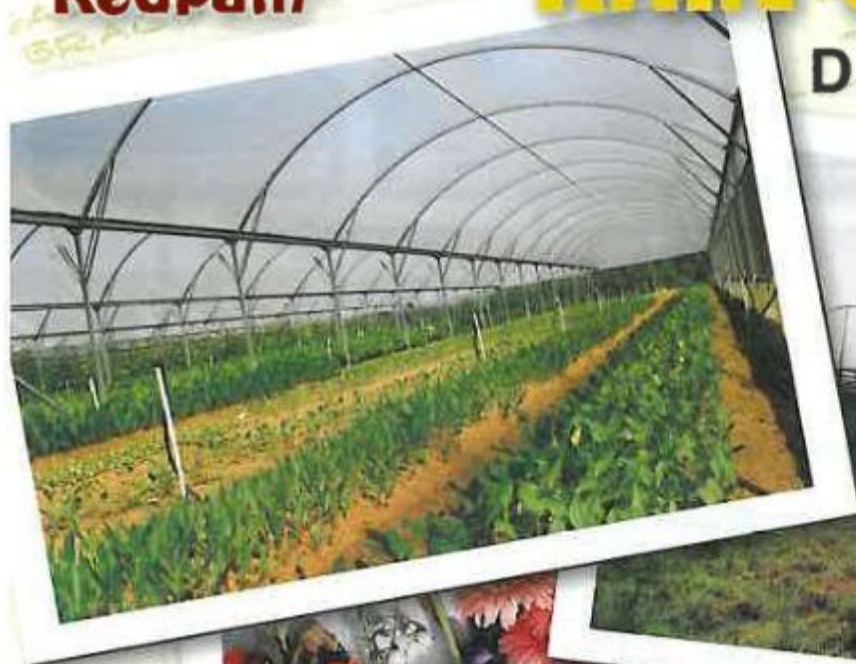
Above illustrations may not be to scale.





# RAIN COVER™

DESIGN #7500F



## **“Efficient crop protection and strong construction”**

Redpaths 7500F RainCover series has proven itself over the years to be a dependable and cost effective crop covering building.

Rain Cover roof arches are roll formed using the latest computer controlled steel forming machinery and are a heavy wall RHS box section steel, making this design particularly robust in extreme conditions to provide long service life.

This low maintenance aspect is continued with the exclusive use of bolted structural connections, which are also hot-dipped galvanised, for trouble free life.

Extra heavy-duty Duratough® greenhouse film covering is used as standard in either singleskin or twinskin options.

Redpaths' Eziwinder roll up side wall ventilation system is included as standard. The roll up walls may be automated at any time as an optional extra.

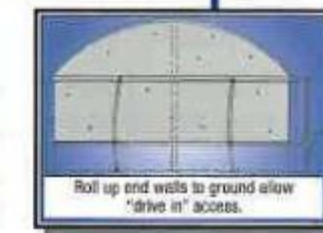
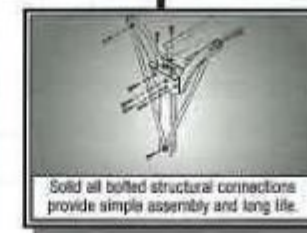
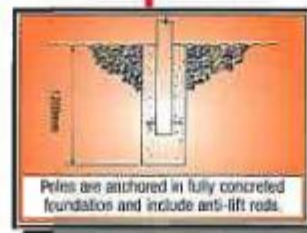
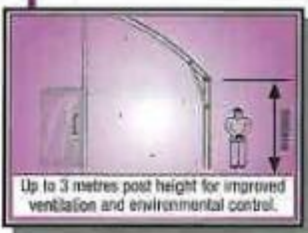
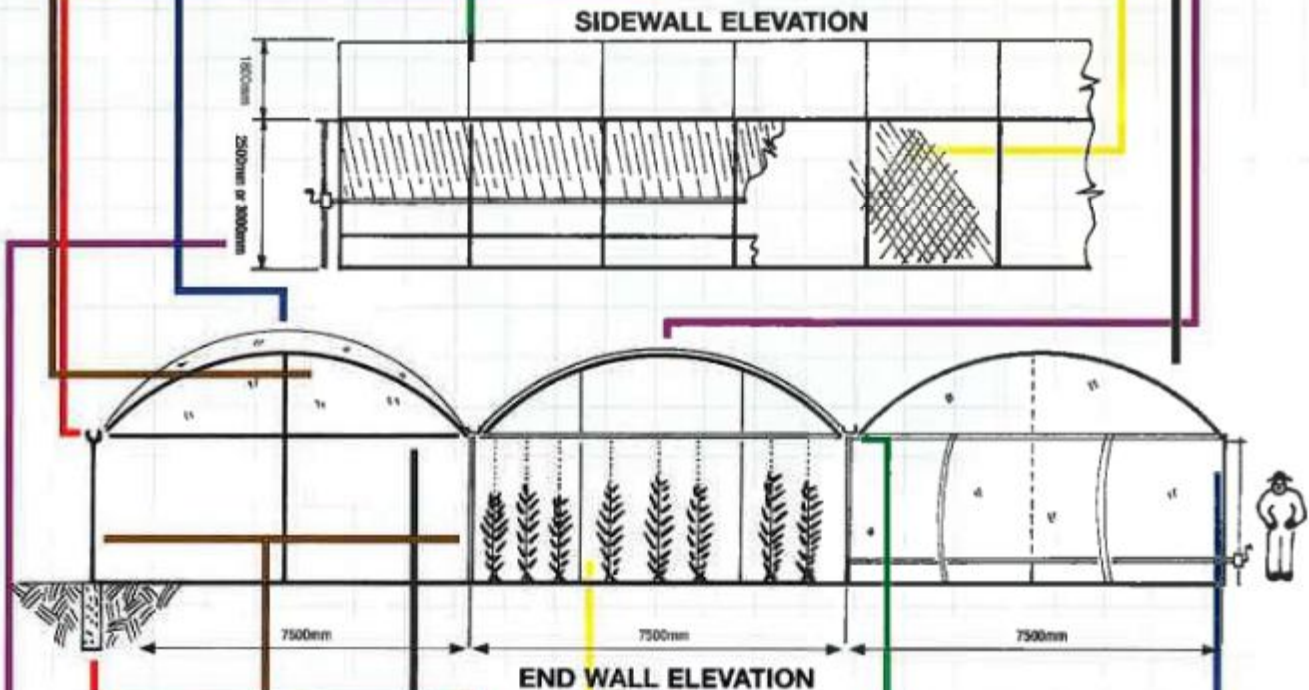
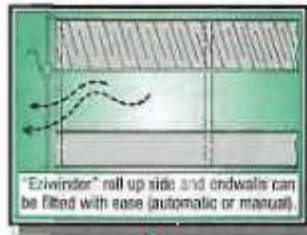
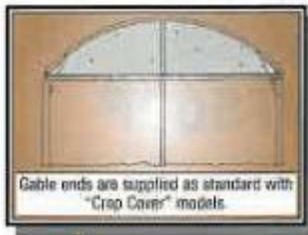
The 7500F Rain Cover design is suitable for crops that can prosper from protection from heavy weather and require only moderate environment control.





# RAIN COVER SERIES 7500F

## SPECIFICATIONS AND OPTIONS



Above illustrations may not be to scale.





# PLANTER SERIES™

DESIGN #7500P



## “Budget nurseryman rain cover system”

The Redpath Planter Series of structures provides an efficient value for money rain protection system.

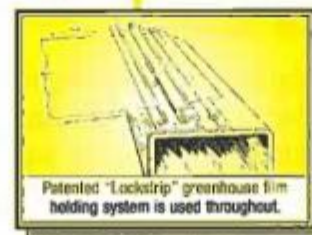
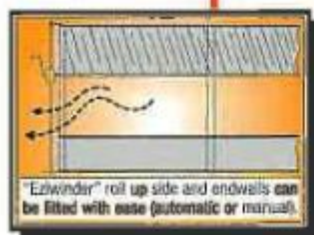
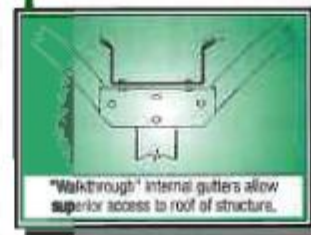
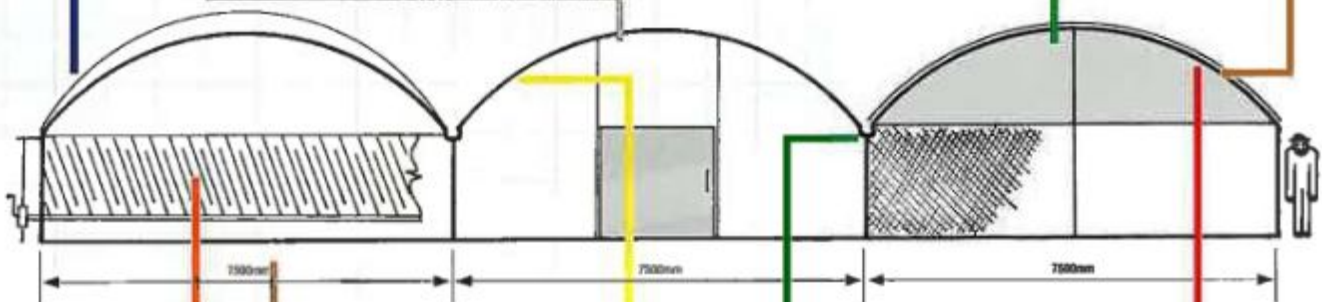
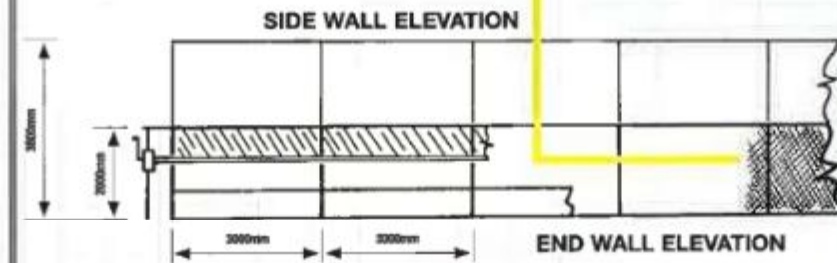
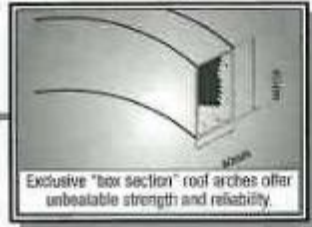
It is a modular design constructed from corrosion resistant galvanised framing and strong walkthrough gutters. Sidewalls and Endwalls may be fitted with roll up type ventilation or be simply finished in a shade or windbreak material.

The proven long life Duratough greenhouse film cladding is used and the framing is lagged with Polyguard anti-chafe tape to resist cover wear and tear. Redpaths patented lockstrip greenhouse film holding system is used throughout the building for superior reliability.





# PLANTER SERIES 7500P SPECIFICATIONS AND OPTIONS



Above illustrations may not be to scale.

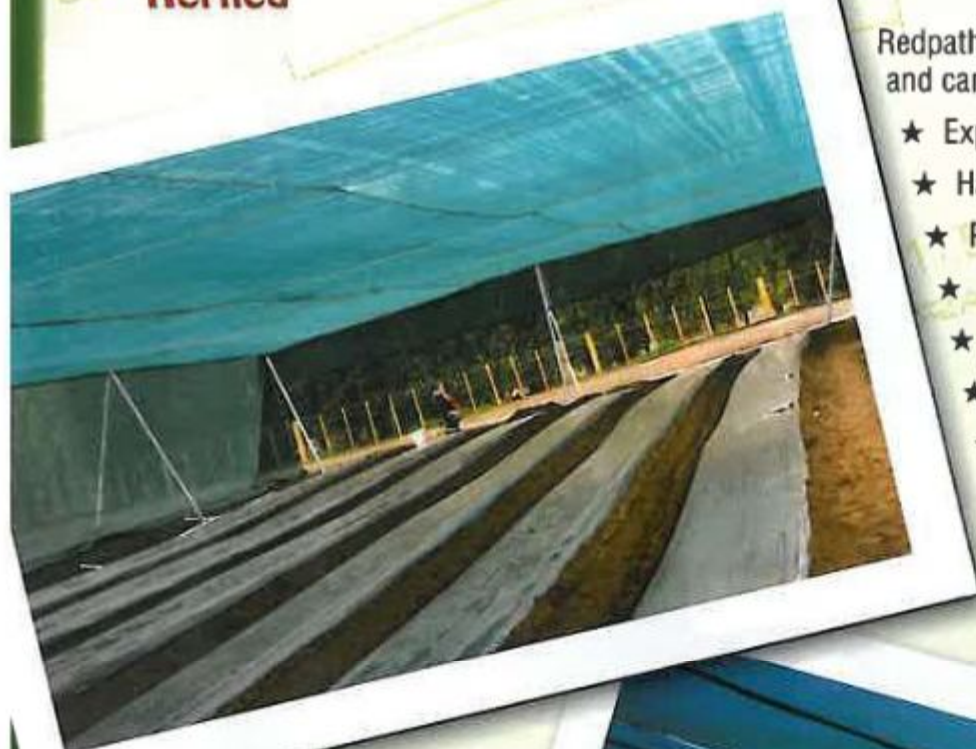




# SUPERSPAN™ SHADE

Redpath, Superspan shadehouses and canopy orchard covers for...

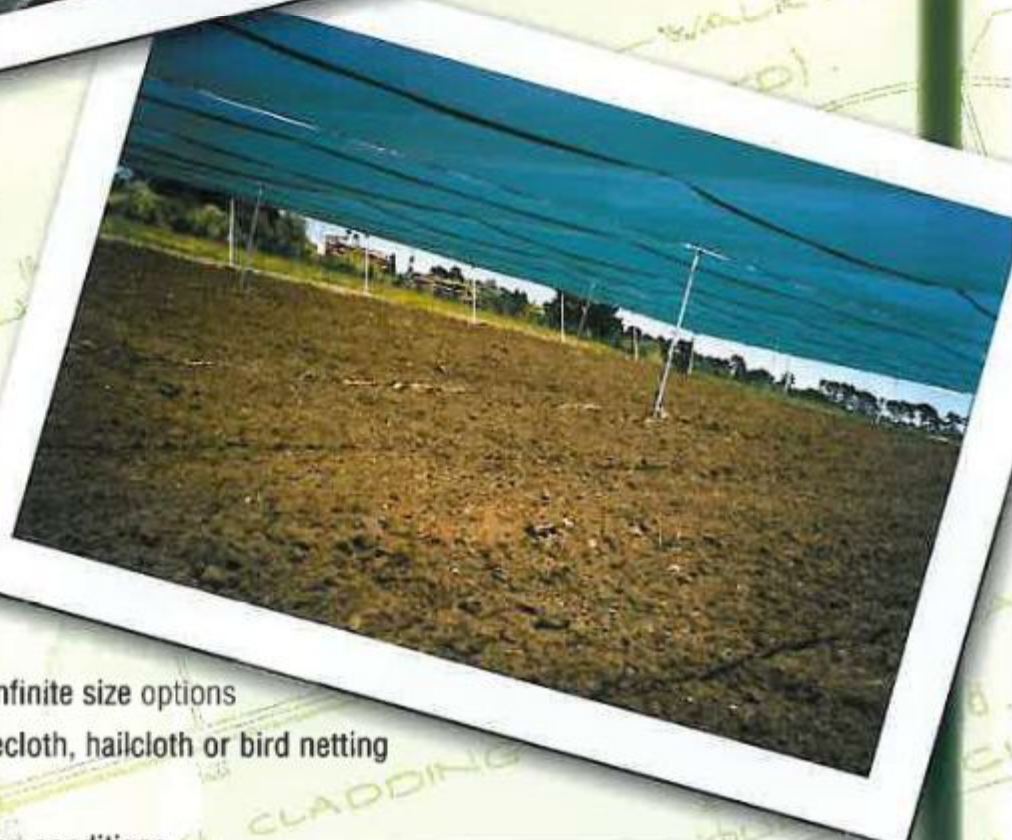
- ★ Export flower crops
- ★ Hail protection
- ★ Propagation
- ★ Native Plants
- ★ Bird protection
- ★ Shade & frost
- ★ Orchard cover
- ★ Nursery production



## Redpath Superspan Shade Features:

- ★ Speedy construction
- ★ High quality Redpath Shadeshield textile used
- ★ Concrete not required for foundations in most instances
- ★ Relocatable design
- ★ Modular layout allows infinite size options
- ★ Structure accepts shade cloth, hail cloth or bird netting
- ★ Competitively priced!
- ★ Designed for Australasian conditions
- ★ Quality patented design

*\*Crew size, weather and site may vary.*



## Superspan Shade Structures standard sizes

7.2m x 25m, 7.2m x 50m, 14.4m x 25m  
14.4m x 50m, 21.5m x 25m, 21.5m x 50m  
28.8m x 25m, 28.8m x 50m, 36m x 25m  
36m x 50m, 43.2m x 25m, 43.2m x 50m  
50.4m x 25m, 50.4m x 50m, 100m x 100m

Covering options: Shade, Hailnetting, Birdnetting, Windnetting





# SUPERSPAN<sup>TM</sup> SHADE



**EXPORT FLOWERS**



**TROPICAL & INDOOR PLANTS**



**FIELD CROPS**



**ALSO KERILEA CLOCHE SYSTEMS**



**NURSERY COVER**



**Redpath<sup>®</sup>**  
**"Kerilea"**

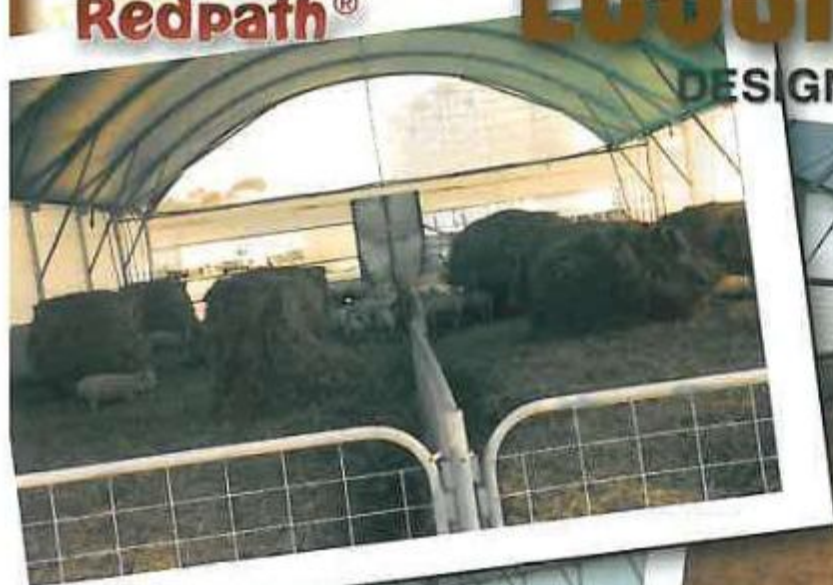
*"Beat the seasons"*





# ECOSHELTER®

DESIGN #9100E & 7500E ARCH



## **“One of Redpaths’ most popular stock shelter structures”**

Redpaths 9100E & 7500E Ecoshelter arch has proven itself to be a most efficient and dependable structure. Popular for pork, beef and bird production, the 9.1m & 7.5m span series are simple and speedy to construct whilst also offering a very high environmental living standard for livestock.

The arch roof trusses are manufactured from strong box section RHS steel. This is roll formed by a computer controlled steel section bender, giving great accuracy and strength to the design.

The 9100E/7500E series is clad in super long-life heat-reflective Duraflex LMUV5 or reinforced sheeting. The cladding is fastened to the structure with Redpaths’ patented aluminium lockstrip or Duralock film holding system.

All posts and footings are heavily galvanised and coated for resistance to animal effluent and all structural connections are fully bolted for long-life and straightforward construction.

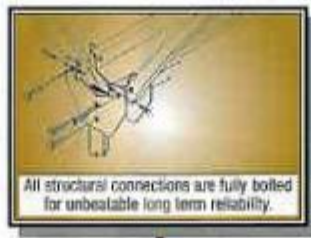
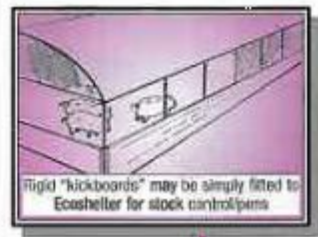
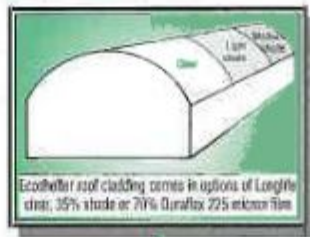
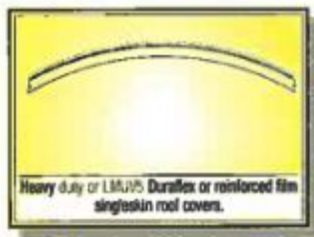
The 9100E arch design may be constructed on a post sidewall height of up to 3.5m, this improves the internal above head workspace available.



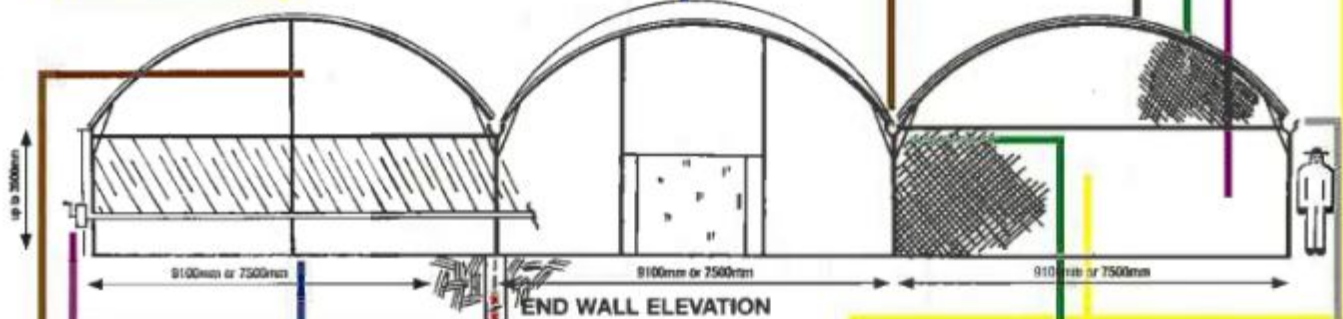
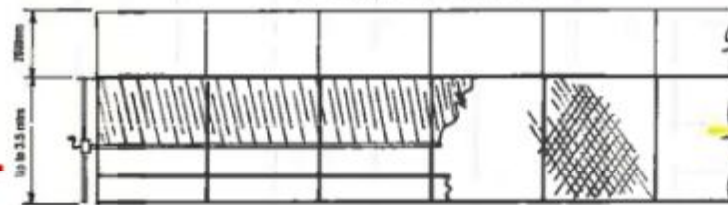


# ECOSHELTER® SERIES 9100E & 7500E

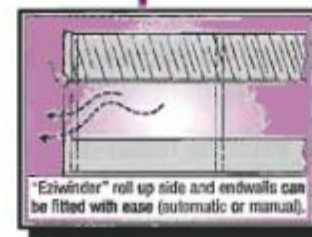
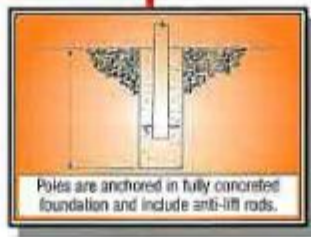
## SPECIFICATIONS AND OPTIONS



SIDEWALL ELEVATION



END WALL ELEVATION



Above illustrations may not be to scale.





**RETAIL OUTLETS**



**"FARM COVERS"**



**"GARDEN CENTRES & CAFES"**



**"LIVESTOCK COVERS"**



**"POOL & HOME COVERS"**



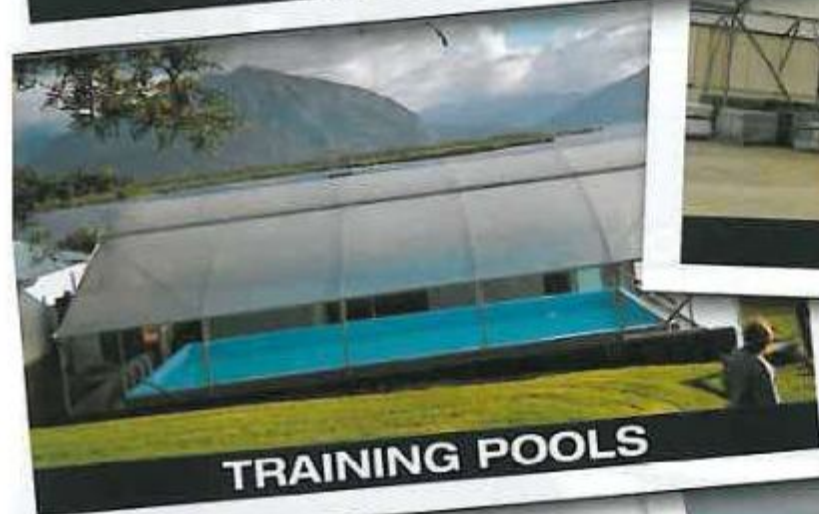
**CORRUGATED IRON FARM SHEDS"**



**"RIGID CLAD GREENHOUSE EXTENSIONS"**

**MANY MORE APPLICATIONS!**





**+ MANY MORE APPLICATIONS!**





# PROPAGATION SERIES



## FEATURES

- ★ QUALITY COMPONENTRY AS PER REDPATH COMMERCIAL RANGE
- ★ RACK & PINION OPERATED RIDGE VENTILATION
- ★ ALL GALVANISED STEEL FRAME CONSTRUCTION
- ★ DURATOUGH COVERS WITH TWINSKIN FAN INCLUDED
- ★ LOCKSTRIP GREENHOUSE FILM HOLDING SYSTEM
- ★ 1-METRE WIDE SLIDING DOOR
- ★ OPTIONAL AUTOMATIC RIDGE VENT CONTROL
- ★ SLEEVE CONNECTORS FOR SIMPLE ASSEMBLY

### OPTIONAL EXTRAS

- : Double ridge ventilation
- : Extra end door
- : Fabric roof/side covers
- : Automatic roof openers
- : Construction on site
- : Roll up sidewalls
- : Benches quoted on request



Not to scale

Sizes	Price
4.1m x 6m (254 sq ft)	Refer price list
4.1m x 8m (353 sq ft)	Refer price list
4.1m x 10m (441 sq ft)	Refer price list
4.1m x 12m (529 sq ft)	Refer price list
4.1m x 14m (616 sq ft)	Refer price list
4.1m x 16m (706 sq ft)	Refer price list





# COLONIAL SERIES



## Colonial Premium

- ★ Duratough long life greenhouse film
- ★ Lockstrip film holding system
- ★ Cap vent standard on two larger sizes
- ★ Sliding aluminium door
- ★ Glass louvre window
- ★ High side wall allows tall-crop production
- ★ All aluminium & steel robust construction

## Budget Series Australia only



## Budget

- ★ Simple construction
- ★ Commercial grade greenhouse film
- ★ Hinged door
- ★ Low cost
- ★ Shade covers available
- ★ Assembly Instructions Included

Kitsets supplied complete, including covers, fasteners, base rails and assembly instructions.

## Colonial Series Greenhouses

### Sizes

- 2.5m x 2.4m long
- 2.5m x 3.6m long
- \*2.5m x 4.8m long includes roof cap vent
- \*2.5m x 6.0m long includes roof cap vent
- 2.5m x 7.2m long includes roof cap vent & double louvre
- 2.5m x 8.4m long includes roof cap vent & double louvre

### Price

- Refer price list
- Refer price list
- Refer price list
- Refer price list
- Refer price list
- Refer price list

## Colonial Series Shadehouses

### Sizes

- 2.5m x 2.4m "VL" green shade
- 2.5m x 3.6m "VL" green shade
- \*2.5m x 4.8m "VL" green shade
- \*2.5m x 6.0m "VL" green shade
- \*2.5m x 7.2m "VL" green shade
- \*2.5m x 8.4m "VL" green shade

### Price

- Refer price list
- Refer price list
- Refer price list
- Refer price list
- Refer price list
- Refer price list

Sliding door not included

## Budget Series

### Sizes

- 2.74m x 3m long
- 2.74m x 4.6m long
- \*2.74m x 6m long
- 2.74m x 7.6m long
- Easyfit shade covers \$150- \$250

### Price

- Refer price list
- Refer price list
- Refer price list
- Refer price list

## OPTIONAL EXTRAS (Colonial)

- 2.4m roof cap vent
- Extra sliding door
- Shelving brackets
- Autovent opener
- 25mtr roll cover repair tape
- Shade cloth roof/end covers
- Polyweave reinforced film covering
- Plant stands/greenhouse benches
- Pre-assembly service available ex factory