



Whatever you grow - We've got it covered

Tunnel Films- Data Sheets Sundries Prices

June 2016

www.xlhorticulture.co.uk - Ottery St. Mary - Devon - EX11 1JZ

Contact - Tel 01404 823044 - email info@xlhorticulture.co.uk

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Whatever you grow We've got it covered

THE COMPANY

We are a family run and owned company. We care about the products and service we offer you. We have our own commercial nursery so we have a practical understanding and knowledge about how our products can help you.

DELIVERY

We care about getting *your* order out today. Our philosophy is that if we get the order by 12 noon today we ship today and you will get it tomorrow. With the majority of our dispatches we have online tracking and POD.

Pallet shipments are normally on a 3 day service, to reduce your costs, but we have a next day pallet service available if it's urgent.

20 YEARS OF INNOVATION AND RESEARCH

Plants have adapted and evolved to grow in different parts of the world. Sometimes it's the temperature and climate, but often it's the light spectrum they are growing under. There is more UV the closer you get to the equator, which gives you a quicker sun tan. But under a forest canopy part of the red spectrum is reduced. Very often you are trying to grow plants which are not native to Mid/Northern European light spectrums.

So we thought - **WHY COMPROMISE?** Lets modify the light spectrum coming through the polythene to make it match, as far as we can, the plants natural light expectation. We discussed it with growers and developed a better range of covers to grow your crops more efficiently. They are all trialled in conjunction with research stations, universities and growers. We use it on our own commercial nursery tunnels and when it's right we bring it to market. But we are constantly monitoring it's performance and updating our products to suit your needs.

THERE'S A LOAD OF RUBBISH TALKED ABOUT THICKER FILMS BEING STRONGER AND LASTING LONGER.



When we started our polythene business 20 years ago all films were either 180 or 200 mu thick. And they only lasted for 2 or 3 seasons.

So thickness has nothing to do with how long they last or how strong they are.

Technology has come on a long way in 20 years and you definitely don't need a thick film to make it strong if you are using modern co polymers. The difference between 150 and 180 mu is 30 - 100ths of a MILLIMETRE. So it's a very-very small amount.

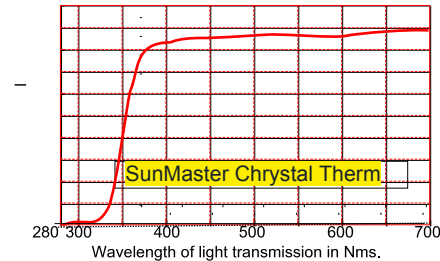
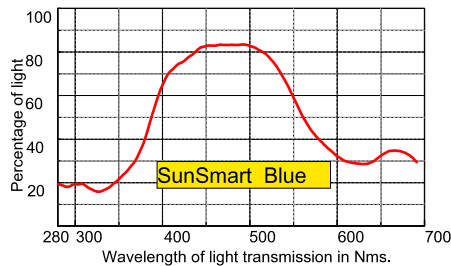
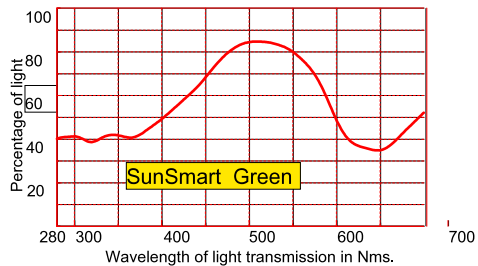
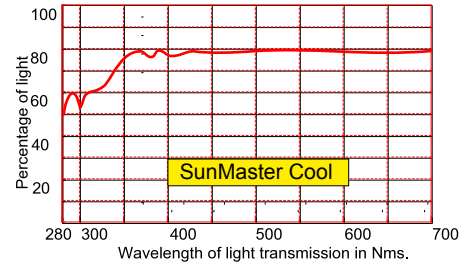
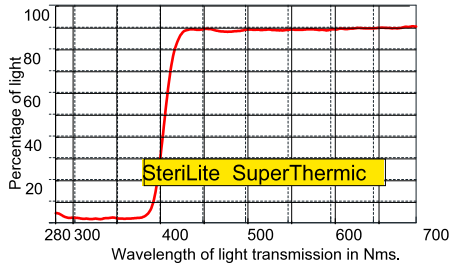
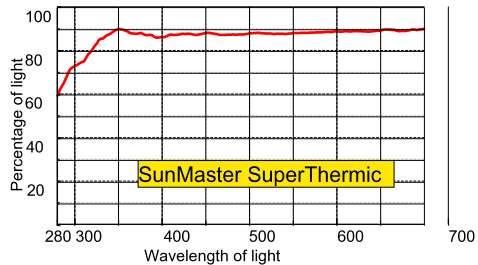
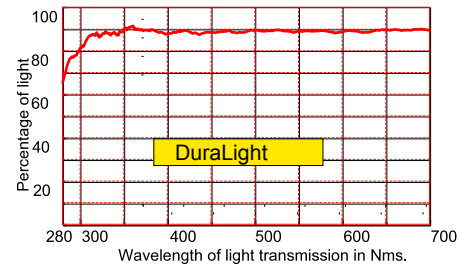
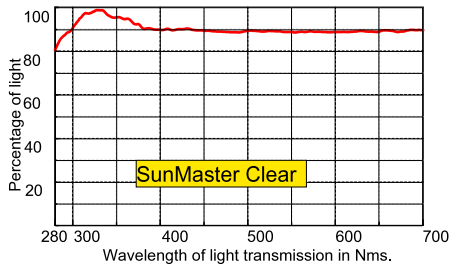
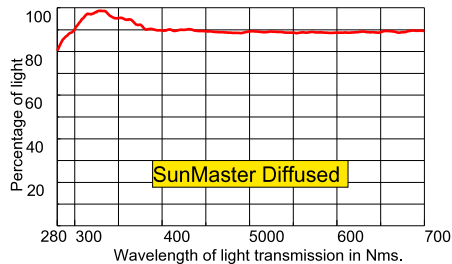
MAKE IT GREEN

There is no way to make polythene totally Green - yet. So we do our best to make it as green as possible.

How?

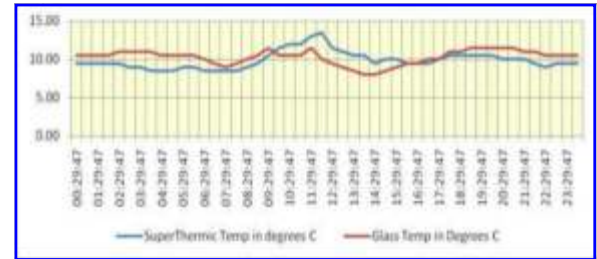
1. We make it thinner so that you can cover a greater area with every ton of polymer you use. Don't forget at 150 mu we cover a surface area about 20% more than films which are 180 mu thick.
2. We make it last longer. We have customers who have had covers from us on their tunnel for over 13 years.
3. We make it using carbon neutral energy. All of our polythene is made from either wind or solar generated electricity.
4. All of our film is made from virgin polymer and is highly sought after by polythene re cycling companies.





SunMaster and SteriLite

SuperThermic Covers Explained

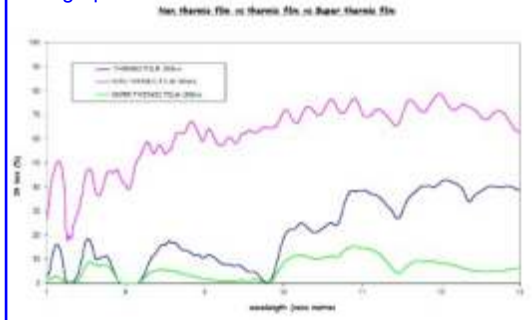


Exclusive Energy Efficiency from XL

Energy efficiency is vital in today's economy. Therefore to have a single skin greenhouse film on you tunnel which is as efficient as glass is an amazing advantage. The temperatures recorded above relates to 1 day in the winter of 2010 and the trial was conducted by an independent consultant at New Place Nurseries in Sussex. (More details are available in our Grower Experience trials).



The graph below shows the difference in heat loss.



The top (Pink) line shows how much heat a normal tunnel cover will lose in cold weather. The central Blue line shows how much heat a normal thermic film will lose and the bottom green line shows how little heat (infra red radiation) a SuperThermic film will lose.

The difference between the two films is that SunMaster SuperThermic is UV open and SteriLite SuperThermic is UV blocking.



SteriLite SuperThermic

Suitable for  Vegetables  Flowers  Fruit  Shrubs  Bedding

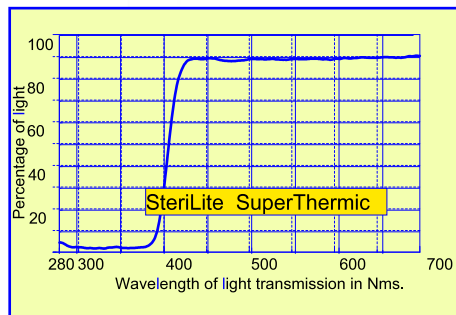
USE SteriLite SuperThermic FOR

All crops which will be heated
Where the advantages of the UV
blocking IPM will be of an advantage
i.e. Organic growing

UV blocking is proven to reduce
fungal and aphid attacks and give a
greater foliage area.



Vegetables - especially salad crops

XL SuperThermic films have been
proven to give protection down to ~
-7° C frost protection.



Width m	7.3	9.2	11.1	14
£ per m.	£6.61	£8.34	£10.05	£12.67
All prices ex works and + VAT				
Minimum order 5 metres				
5-6-7-8 -9 and 10 metres +50%				
11-19 metres +10%				
Deliveries to UK mainland up to 50m £10				
Deliveries to UK mainland up to 80m £15				
Delivery over 81 metres phone for carriage cost				
Free delivery over £1250 net of Vat to one address				



SteriLight SuperThermic		
SPECIFICATION June 2016		
	UV guaranteed life	5 Years
	Life expectancy	8+ years
	Polymer make up	m-LLDPE, EVA
	Diffusion (400-700nms)	45%
	Anti Mist/Drip	AD/AF Yes
	Light Transmission	~89%
	Thermicity	<8%
	Temperature reducing	Yes
	Total UV (300-390 nms.)	<1%
	Puncture resistance	1200 gms
Average along and across the roll		
	Strength at break	27 Mpa.*
	Stretch before break	600%
Notes	* Approx 413 kg per metre width.	

SunMaster SuperThermic

Suitable for



Vegetables



Flowers



Fruit



Shrubs



Bedding

SunMaster Diffused SuperThermic

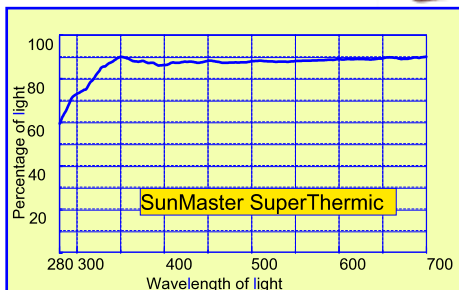
SPECIFICATION June 2016

	UV guaranteed life	5 Years
	Life expectancy	8+ years
	Polymer make up	m-LLDPE, EVA
	Diffusion (400-700nms)	45%
	Anti Mist/Drip	AD/AF Yes
	Light Transmission	~89%%
	Thermicity	<8%
	Temperature reducing	Yes
	UV transmission (300-390 nms.)	>60%
	Puncture resistance	1200 gms

Average along and across the roll

	Strength at break	27 Mpa.*
	Stretch before break	600%

Notes Approx 413kg per metre width.



Width m	7.3	9.2	11.1	14
£ per m.	£6.61	£8.34	£10.05	£12.67

All prices ex works and + VAT

Minimum order 5 metres

5-6-7-8 -9 and 10 metres +50%

11-19 metres +10%

Deliveries to UK mainland up to 50m £10

Deliveries to UK mainland up to 80m £15

Delivery over 81 metres phone for carriage cost

Free delivery over £1250 net of Vat to one address

USE SunMaster SuperThermic films FOR

heated crops and where frost protection is important. Normal polythene and glass block the UV below a certain level (350 nms). SunMaster films give you the advantages of growing indoors without losing the benefit of the outdoors sunlight. Plants are slightly more compact, colours are more pronounced, especially reds and blues, and you get stronger rooting, and higher anti oxidants in fruit. The outdoor levels of UV give thicker cell walls and therefore greater disease resistance.



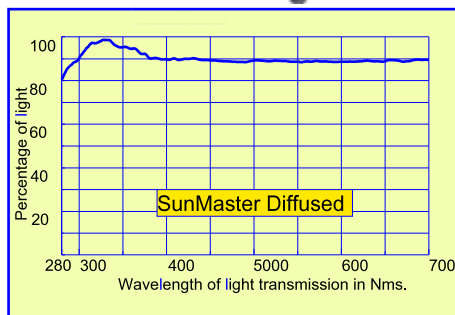
SunMaster Diffused

Suitable for  Vegetables  Flowers  Fruit  Shrubs  Bedding

USE SunMaster Diffused or
Clear FOR













All crops where colour,
especially red and blue is
important.

Over wintered nursery stock
where only slight frost
protection is required.















Width m	7.3	9.2	11.1	14
£ per m.	£5.70	£7.11	£8.58	£10.85
<i>All prices ex works and + VAT</i>				
<i>Minimum order 5 metres</i>				
<i>5-6-7-8 -9 and 10 metres +50%</i>				
<i>11-19 metres +10%</i>				
<i>Deliveries to UK mainland up to 50m £10</i>				
<i>Deliveries to UK mainland up to 80m £15</i>				
<i>Delivery over 81 metres phone for carriage cost</i>				
<i>Free delivery over £1250 net of Vat to one address</i>				

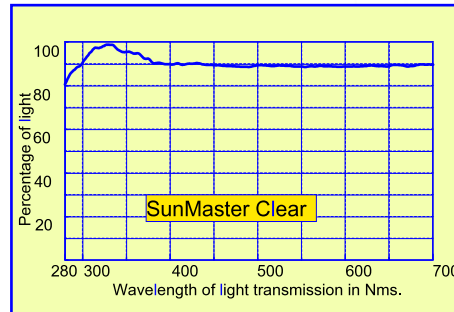


SunMaster Diffused	
SPECIFICATION June 2016	
 UV guaranteed life	5 Years
 Life expectancy	8+ years
 Polymer make up	m-LLDPE, PE, EVA
 Diffusion (400-700nms)	60%
 Anti Mist/Drip	AF/AD Yes
 Light Transmission	~89%
 Thermicity	N/A
 Temperature reducing	Yes
 Total UV (300-390 nms.)	60%
 Puncture resistance	1000 gms
Average along and across the roll	
 Strength at break	27 Mpa.*
 Stretch before break	600%
* Approx 413 kg per metre width	

SunMaster Clear

Suitable for  Vegetables  Flowers  Fruit  Shrubs  Bedding

SunMaster Clear		
SPECIFICATION June 2016		
	UV guaranteed life	5 Years
	Life expectancy	8+ years
	Polymer make up	m-LLDPE, PE, EVA
	Diffusion (400-700nms)	25%
	Anti Drip	AF/AD yes
	Light Transmission	~91%
	Thermicity	N/A
	Temperature reducing	No
	Total UV (300-390 nms.)	60%
	Puncture resistance	1000 gms
Average along and across the roll		
	Strength at break	27 Mpa.*
	Stretch before break	600%
Notes	* Approx 413 KG per metre width	



USE SunMaster Diffused or Clear FOR

All crops where colour, especially red and blue is important.

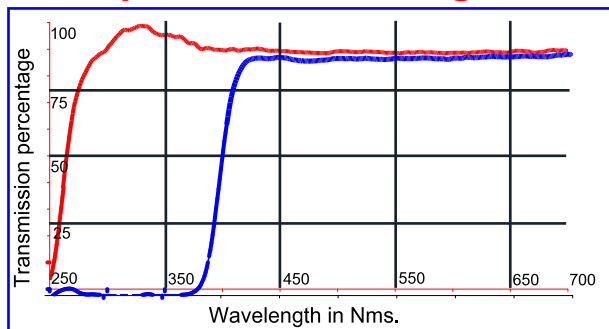
Over wintered nursery stock where only slight frost protection is required.

Width m	7.3	9.2	11.1	14
£ per m.	£5.70	£7.11	£8.58	£10.85
All prices ex works and + VAT				
Minimum order 5 metres				
5-6-7-8 -9 and 10 metres +50%				
11-19 metres +10%				
Deliveries to UK mainland up to 50m £10				
Deliveries to UK mainland up to 80m £15				
Delivery over 81 metres phone for carriage cost				
Free delivery over £1250 net of Vat to one address				



Poly tunnel covers are no longer just something to keep the rain out and keep it a bit warmer in winter. They should really be called spectrum filters which help you grow much better plants.

UV open v uv blocking Films

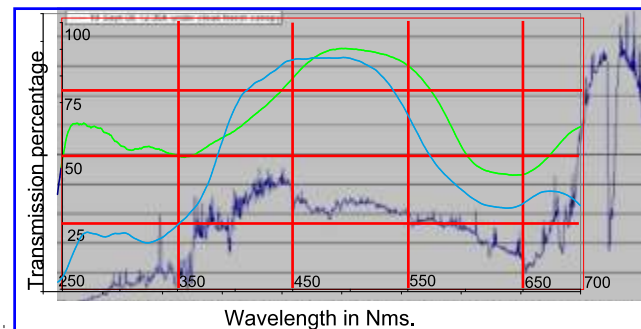


In the graph above there are 2 lines. The red line is our UV open SunMaster Diffused and Clear - and the Blue line is our SteriLite.

The UV open films give your plants the same spectrum of UV that your plants would have if growing outside. It makes cell walls thicker, plants more compact and improves the colour of flowers fruit or vegetables which have red or blue in their makeup. Research has shown that Strawberries for instance will be ready for harvest about 1 week earlier than a normal film which normally blocks out the UV below 350 Nms.

UV blocking films have the ability to reduce both fungal diseases which need UV to be able to reproduce and spread, and aphids who see in UV so if you take it away they can't fly anymore. Research has also shown that plants will have more foliage under UV blocking SteriLite and it is especially good for salad crops.

SunSmart Green and Blue



Why Compromise ?

In the graph above there are 3 lines. The dark blue jagged line is the actual light spectrum recorded under a forest canopy on a cloudy day. The Green Line shows the spectral transmission of SunMaster SmartGreen and the blue line the spectral transmission of SmartBlue.

You can see that both of them have a curve which more closely matches the curve of a forest canopy than the curve of the full spectrum films which match the spectrum of a full sun savannah or mountain.

And all plants grow better in the correct spectrum of light.

SunSmart Green

Suitable for













Shade loving Shrubs





Sheep sheds

SunSmart Green

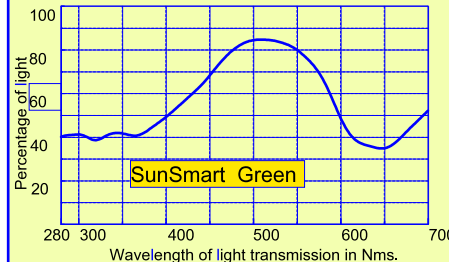
SPECIFICATION June 2016

	UV guaranteed life	5 Years
	Life expectancy	8+ years
	Polymer make up	m-LLDPE,PE,EVA
	Diffusion (400-700nms)	30%
	Anti Mist/Drip	AD/AF Yes
	Light Transmission	~66%
	Thermicity	NA
	Temperature reducing	Yes
	Total UV (300-390 nms.)	<60%
	Puncture resistance	1000 gms

Average along and across the roll

	Strength at break	27 Mpa.*
	Stretch before break	600%

Notes * Approx 413 kg per metre width



Width m		9.2		14
£ per m.	—	£6.46	—	£9.84

All prices ex works and + VAT

Minimum order 5 metres

11-19 metres +10%

Deliveries to UK mainland up to 50m £10

Deliveries to UK mainland up to 80m £15

Delivery over 81 metres phone for carriage cost

Free delivery over £1250 net of Vat to one address

USE SmartSmart Green FOR

All crops which are natural shade loving plants -
Ferns - Hosta's - Hellebores - Laurels - Ilex - Camellia's - Violets - Rhododendrons.

Any other plants who's natural habitat is shade or semi shade.



SunSmart Blue

Suitable for



Bedding



Shade loving Shrubs
Shrubs that need dwarfing

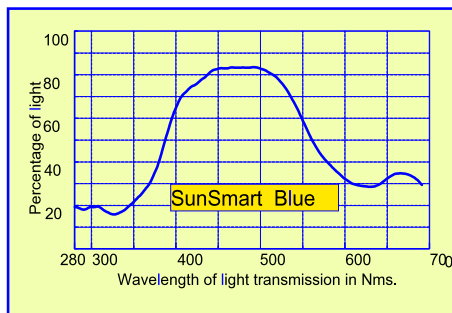
USE SunSmart Blue FOR

All bedding plant production.

Naturally gives height reduction without using chemicals in Spring. Pansies for instance will be reduced in height by ~ 50%.

Nursery stock where you want height reduction. (Hydrangeas for instance).

Good success has also been reported as a holding area for plants which are ready for sale, but not yet required.



Width m		9.2		14
£ per m.	—	£8.06	—	£12.27
All prices ex works and + VAT				
Minimum order 5 metres				
5-6-7-8 -9 and 10 metres +50%				
11-19 metres +10%				
Deliveries to UK mainland up to 50m £10				
Deliveries to UK mainland up to 80m £15				
Delivery over 81 metres phone for carriage cost				
Free delivery over £1250 net of Vat to one address				

SunSmart Blue


SPECIFICATION June 2016

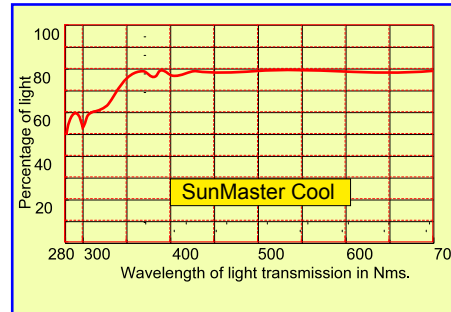
	UV guaranteed life	5 Years
	Life expectancy	8+ years
	Polymer make up	m-LLDPE, EVA
	Diffusion (400-700nms)	30%
	Anti Mist/Drip	AD/AF Yes
	Light Transmission	~55%
	Thermicity	<21%
	Temperature reducing	Yes
	Total UV (300-390 nms.)	<60%
	Puncture resistance	1200 gms
Average along and across the roll		
	Strength at break	27 Mpa.*
	Stretch before break	600%
Notes	* Approx 413 Kg per metre width	

EVOLUTION 2015

SunMaster Cool

Suitable for  Sheep  Chickens  Storage  Shrubs

SunMaster Cool		
SPECIFICATION June 2016		
	UV guaranteed life	6 Years
	Life expectancy	~10 years
	Polymer make up	m-LLDPE, EVA
	Diffusion (400-700nms)	50%
	Anti Drip	AF/D Yes
	Light Transmission	~80%
	Thermicity	<17%
	Temperature reducing	Yes
	Total UV (300-390 nms.)	50%
	Puncture resistance	1200 gms
Average along and across the roll		
	Strength at break	27 Mpa.*
	Stretch before break	600%
Notes	* Approx 440 Kg per metres width	



USE SunMaster Cool FOR

SunMaster Cool has replaced Stockmaster White and has been designed for growing plants that like to be kept cool in the summer but still like lots of light. SunMaster Cool uses the latest microfine Aluminium diffuser which makes your tunnel ~25% cooler in bright sunlight than a clear film.

Useful also for animal houses and for storage.

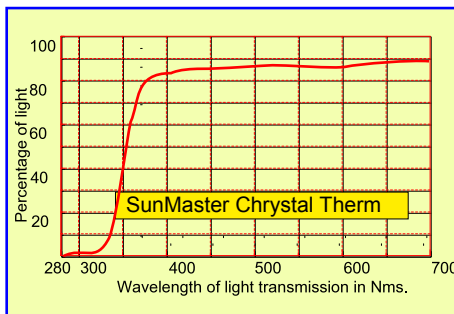
Width m	8	10	12	14
£ per m.	£8.35	£10.43	£12.52	£14.61
All prices ex works and + VAT				
Minimum order 5 metres				
5-6-7-8 -9 and 10 metres +50%				
11-19 metres +10%				
Deliveries to UK mainland up to 50m £10				
Deliveries to UK mainland up to 80m £15				
Delivery over 81 metres phone for carriage cost				
Free delivery over £1250 net of Vat to one address				

SunMaster ChrystalTherm *EVOLUTION 2015*

Suitable for  Vegetables  Flowers  Fruit  Shrubs  Bedding

USE SunMaster Chrystal Therm FOR

All crops where maximum light is essential. SunMaster Chrystal Therm is the first horticultural film in the world made from 7 layers and has a patented new Anti Drip system which considerably outlasts conventional systems. It has an ultra smooth external face to repel dirt and delay the onset of algae. It is immensely strong but the clarity is similar to glass making it very suitable for hobby tunnels.













Picture Total Polytunnels



Width m	8	10	12	14
£ per m.	£8.03	£10.04	£12.05	£14.06
All prices ex works and + VAT				
Minimum order 5 metres				
5-6-7-8 -9 and 10 metres +50%				
11-19 metres +10%				
Deliveries to UK mainland up to 50m £10				
Deliveries to UK mainland up to 80m £15				
Delivery over 81 metres phone for carriage cost				
Free delivery over £1250 net of Vat to one address				

SunMaster Chrystal Therm

SPECIFICATION June 2016

	UV guaranteed life	6 Years
	Life expectancy	~10 years
	Polymer make up	m-LLDPE, EVA
	Diffusion (400-700nms)	16%
	Anti Mist/Drip	AD/F Yes
	Light Transmission	~92%%
	Thermicity	<21%
	Temperature reducing	No
	Total UV (300-390 nms.)	50%
	Puncture resistance	1200 gms

Average along and across the roll

	Strength at break	30 Mpa*.
	Stretch before break	640%
Notes	* Approx 460Kg per metres width	

SunMaster DuraLite

Manufactured exclusively for XL Horticulture Ltd

PRODUCT DATA SHEET

PRODUCER PRODUCT	PLASTIKA KRITIS SA SunMaster DuraLite
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DESCRIPTION	3-layer, long-life, colorless, high strength, medium diffusing greenhouse film
RESIN(S)	m-LLDPE, EVA
NOMINAL THICKNESS (mic)	140
AVERAGE THICKNESS TOLERANCE	± 5% on nominal thickness
THICKNESS TOLERANCE AT ANY POINT	± 15%

MECHANICAL PROPERTIES	TYPICAL VALUES	VARIATION	TEST METHOD
TENSILE STRENGTH AT BREAK (MPa)			
-MACHINE DIRECTION	30	- 5%	EN ISO 527-3
-TRANSVERSE DIRECTION	30	- 5%	EN ISO 527-3
ELONGATION AT BREAK (%)			
-MACHINE DIRECTION	600	- 5%	EN ISO 527-3
-TRANSVERSE DIRECTION	650	- 5%	EN ISO 527-3
IMPACT RESISTANCE (FLAT) (gr)	1200	- 5%	ISO 7765-1 (A)

OPTICAL PROPERTIES	TYPICAL VALUES	TEST METHOD
Total light transmission (400-700 nm) (%)	90-91	EN-2155-5
Diffusion (400-700 nm) (%)	45 ± 5%	EN 2155-9
UV transmission (300-390 nm) (%)	UV-open	INTERNAL METHOD
Infrared Transmission (7-13 µ) (%)	n/a	EN 13206 § 8.9

Version 250613

TUV
AUSTRIA

We hereby certify that the product conveyed as per the above, meets the respective manufacturing specifications, according to the plans established by our Quality System based on ISO 9001:2008.

EN ISO 9001:2008, Rev. 39.100.1200076403
DNV SAS 18001:2007, Nr. 39.100.1200076403

Data sheets such as this are available for all our films

SunMaster DuraLite

All soft fruit and stone fruit as well as cut flowers

Suitable for



and

XL have the ability to make almost any width and length, or thickness, that you want subject to a minimum tonnage.

But we have developed a range of specialist covers specifically for the soft fruit industry.

SunMaster DuraLight Clear or Diffused for natural season crops.

SunMaster DuraLight Thermic, again Clear or Diffused, for early crops.

SunMaster Sulphur Safe for everbearers where high quantities of sulphur are used.

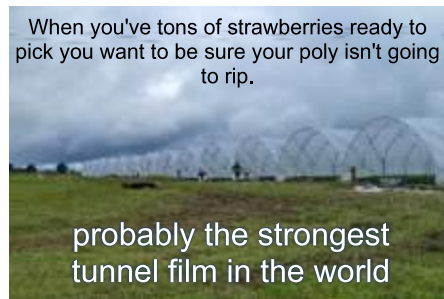
SunMaster DuraCool which delays cropping so that you miss the peak of the season.

Look at

www.xlsoftfruit.co.uk

for the full range of
soft fruit covers and
sundries that we sell.

When you've tons of strawberries ready to pick you want to be sure your poly isn't going to rip.



probably the strongest
tunnel film in the world

Total Block Black/White

Suitable for



Storage



Mushrooms

USE SunMaster Total Block FOR

Mushroom sheds or where no light is required in the shed e.g storage. Can also be used White side out for Poultry houses.

Double purpose film. Use Black side out for maximum light block. Advantage is that the inner white side reflects your artificial light back into the building.

Use white side out for animals(hens, geese, turkey etc). The White outside reflects some of the suns rays back so that it stays cooler inside.



SunMaster Total Block			
Width m		12	14
£ per m.		£9.74	£10.51
<i>All prices ex works and + VAT</i>			
<i>Minimum order 5 metres</i>			
<i>5-6-7-8 -9 and 10 metres +50%</i>			
<i>11-19 metres +10%</i>			
<i>Deliveries to UK mainland up to 50m £10</i>			
<i>Deliveries to UK mainland up to 80m £15</i>			
<i>Delivery over 81 metres phone for carriage cost</i>			
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Total Block BW

SPECIFICATION June 2016

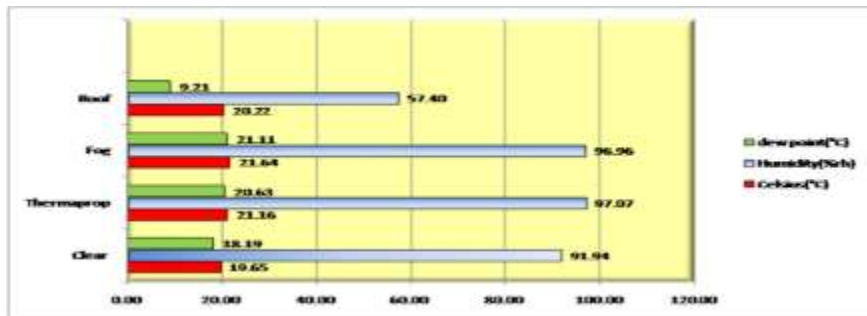
	UV guaranteed life	5 Years
	Life expectancy	~10 +years
	Polymer make up	PE
	Diffusion (400-700nms)	NA
	Anti Mist/Drip	NA
	Light Transmission	<1%
	Light reflectance white side	~72%
	Temperature reducing	Yes
	Total UV (300-390 nms.)	0%
	Puncture resistance	600 gms
Average along and across the roll		
	Strength at break	22 Mpa.*
	Stretch before break	575%
Notes	* Approx 551 Kg per metre width	

ThermaProp Propagation Film

ThermaProp Clear or White films for low tunnel propagation.

Our Clear and White propagation films were specifically designed in conjunction with a leading HONS consultant. ThermaProp is both Thermic and AntiFog. The table below shows you the test data of a summer production comparing three types of propagation climate. A normal glasshouse (readings taken in the roof) , normal clear propagation film, a dry fog house and ThermaProp. The readings of ThermaProp are very similar to the very expensive dry fog house. Not only does ThermaProp increase rooting percentage over conventional films but results show an improved quality of rooted plant.

The table below are the results - Green is the dew point - grey the humidity and red the temperature.



ThermaProp White or Clear

Width	Length	£ per roll
3.4m	100m	£59.79

All prices ex works and + VAT

Deliveries to UK mainland £10 per roll

Free delivery over £1250 net of Vat to one address



Side Vent Polythene and Wind Up Vent System



XL side vent poly is available without a pocket, or else a pocket welded top - 70mm deep. For specification see SunMaster Diffused. Cut to length to fit your tunnel.

Side Vent Film			
Without Pocket			With Pocket
Width 2m	Width 3m		Width 2m including Pocket
£1.78	£2.67		£2.60
Please note minimum length of 30 metres.			
All prices ex works and + VAT			
Deliveries to UK mainland £10			

XL's side vent system uses a gear box assembly which is operated by an endless chain. Very easy to operate and takes much less effort than a cranked handle.

A clutch inside the gearbox holds the central torsion bar steady at any position you choose between fully open and fully closed. It runs up a guide rail (as in the picture) which holds it in place.

The torsion bar in the centre is 3.5m long galvanised steel, swaged at one end so that you can create a continuous bar. You join it together with a self drilling screw which we supply free with every bar. You use the same tube at the bottom as a weight for the lower section of the polythene. Maximum recommended length is around 31metres.

The clips are a spring plastic with rounded edges so that they don't harm the polythene. We recommend a clip every 20cms.

The side vent can either be held in place with our PolyVent netting or retaining tubes which run from the gutter to the ground(as in the picture above on the right.)

Side Vent parts	
Gearbox assembly	£52
Torsion/weight bar per 3.5m length	£15
25mm clips bags of 100	£15
All prices ex works and + VAT	
Deliveries to UK mainland £10	



XL's spring clips

Repair and Anti Hot Spot Tapes

NEW

EVOLUTION 2016



All XL Tapes are made exclusively for us.

But the NEW XL Anti Hot Spot Tape breaks new ground.

What it doesn't do is break the polythene. The picture on the left shows what happens if you use the wrong AHST. A lot of tape is made from PVC foam, which can give off a chlorine gas which destroys the UV stabilisers in the film. The film on the left was only 2 years old.

XL AHST is made from a polythene foam, so no matter what happens it won't hurt your polythene film.

Secondly its silver grey, so it blends in with the steel of the tunnel and reflects more light.

It uses the latest solvent acrylic adhesives so that it won't creep around the tube when it gets hot and the shiny bit stays stuck on.

And by looking at the amount that people use we have totally changed the roll size. Its now 20 metres long, and on plastic cores - so that you have less waste.

Anti Hot Spot Tape

Length	Width	Price
20 metres	19mm	£3.64
20 metres	25mm	£4.78
20 metres	30mm	£5.49
20 metres	50mm	£9.58

All prices ex works and + VAT

Delivered Free with polythene order

Delivered separately £10 per consignment

Free delivery over £1250 net of VAT to 1 delivery point.

Poly Repair Tape

Length	Width	Price	No. Per Box
25 metres	50mm	£2.51	30
25 metres	75mm	£3.73	20
25 metres	100mm	£4.99	15
25 metres	150mm	£7.47	10
25 metres	300mm	£14.94	5

All prices ex works and + VAT

Delivered Free with polythene order

Delivered separately £10 per consignment

Free delivery over £1250 net of VAT to 1 delivery point.



Clear poly repair tape for repairs on all sizes of rips. Incredibly tough and long lasting.

Anti Hot Spot Repair Tape was another XL innovation to put a new smooth outer surface onto AHST which is starting to wear out. It won't give the polythene as long a life as new AHST and won't totally isolate PVC tape from the polythene but it will improve the life of the film.

Anti Hot Spot Repair Tape

Length	Width	Price	No. per box
50 metres	50mm	£2.87	30

Terms as for Anti Hot Spot Tape

CosyTex Fleece

Suitable for



Vegetables



Flowers



Fruit



Shrubs



Bedding

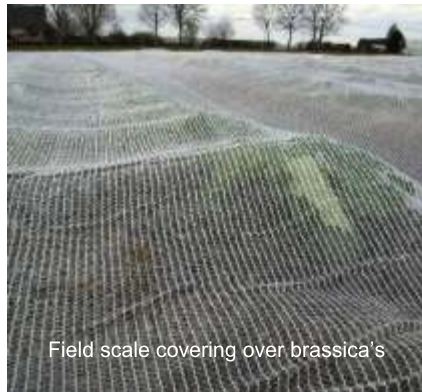
CosyTex is made from a knitted thermal polythene. It doesn't puddle, and allows moisture to pass through. Use on field scale, on nursery stock, bedding and soft fruit.



Cover over salads

- inside or out

Specification	
Weight	38 gsm
Light transmission	>86%
Strength	
Along the row	3400 newton metres
Across the row	3900 newton metres
Life permanent use	4 years
Life seasonal use	Probably 10 seasons
Hole size ~	0.97X1.39mm



Field scale covering over brassica's

CosyTex Fleece		
Width	Length	Price
2	200	£119.27
4	200	£238.53
6	200	£384.16
8	200	£512.51
10	100	£320.13
12	100	£384.16
16	100	£512.51
All prices ex works +VAT		
Deliveries to UK mainland £10 per roll		
Free delivery over £1250 net of VAT to 1 address		



Summer cover on a poly tunnel frame over soft fruit

Twin Skin Inflator

If you are heating up your polytunnel a twin skin will save you £'s. XL's twin skin kit uses tried and tested brushless motors for economy and long life. A twin skin roof can give you up to 13 deg of frost protection, and more using SunMaster SuperThermic films on the inner layer. It works at low pressure (~1.5 psi) and as long as the edges are sealed it will blow up several roofs ends etc.

It can be fitted to any new or existing polytunnel but a grip rail is recommended for best results.

Consisting of a 240 volt -96 watt centrifugal fan housed in a waterproof box, complete with isolator switch, isolation valve and clamps to fit onto either a 50 or 60mm tunnel frame.



Twin Skin inflator parts

Fan unit complete with 1 connection	£393
Extension connector each	£20
All prices ex works and + VAT	
Deliveries to UK mainland £10	

Sub Irrigation Barrier

Sub Irrigation Barrier	
Width	Price Per Metre
4.6 metres	£4.50 per linear metre
Minimum order 20 metres	
All prices ex works and + VAT	
Deliveries up to 100m UK mainland £10	

Designed by us for one of the largest growers in the country, LDPE sub irrigation barrier is an impervious membrane used underneath sand beds or capillary matting, isolating the subsoil from the water carrying membrane or substrate.

It is a dense black 200 mu film with high levels of copolymers and engineered to withstand high traffic flows on uneven surfaces.

PolyVent Netting



The only way to really cool down a greenhouse or tunnel is to replace the hot air with cool air. Hot air rises, so the heat is at the top of a greenhouse or tunnel. That's why swivel vents above the doors and side vents all the way down the side of a greenhouse/tunnel are a good idea. The hot air escapes from the top of the tunnel and is replaced by cool air drawn in at ground level.

PolyVent Netting seen here covering the end of a polytunnel for cool growing of HONS

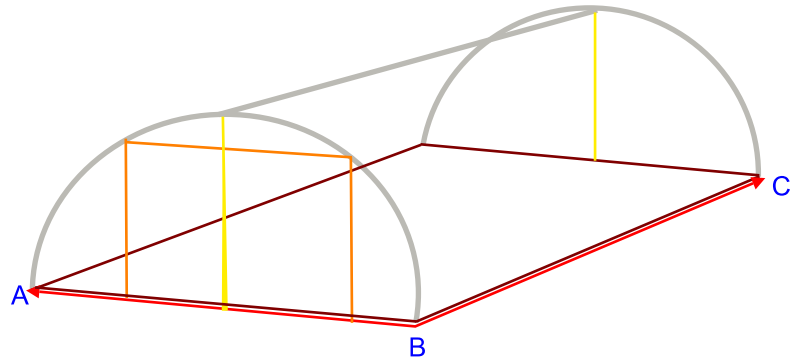
Except that until now the mesh to keep the wind speed down (which dries out the plants) has been too much of a windbreak and not enough of a vent mesh.

PolyVent netting is manufactured specifically and exclusively for XL Horticulture. Most green side vent mesh is actually a windbreak and the most transparent you can get is 50%. The amount of air passed through a hole in a net is exponential, so the amount of air passing through a 25% PolyVent netting is approximately 3 times as much as through a 50% windbreak. So PolyVent netting slows down the air but doesn't stop so much that it can't cool down the tunnel enough.

PolyVent Netting	
UV guaranteed life	6 Years
Life expectancy	~10 years
Polymer make up	HDPE
Colour	Clear (looks white)
Weight per sq. M.	115 gms
Windbreak effect/Shade	~25%
Thickness	~.750 mm
Hole size	~3mmX4mm
Strength at break	~8kg per 2 chains
Stretch before break	~55%

PolyVent Netting	
Width	Price per metre
1.5m	£1.92
2m	£2.56
Minimum order length 30 metres	
<i>All prices ex works +VAT</i>	
<i>Deliveries to UK mainland £10 per roll</i>	
<i>Free delivery over £1250 net of VAT to 1 address</i>	

How do I measure my tunnel for a new sheet ?



AT GROUND LEVEL

Measure from the corner **A** on the front of the tunnel to the other corner **B** on the front of the tunnel.

Measure the total length of the side. **C**

Add them all together and that is the **LENGTH** of sheet you will need.

This allows plenty of cover to go to the door uprights at both ends and to reach down to the door header at each end.

To find the **WIDTH** of sheet you will need consult the chart overleaf .

To find out how to clad your tunnel go to www.xlhorticulture.co.uk/home/see-how-to-clad-a-polytunnel-in-easy-to-follow-picture-sequence/

Sheet size calculator

1. Decide how wide your tunnel is - either in feet or metres and select that column.
2. Decide fixing method. Where the fixing method row and the tunnel width column meet - that is the width of sheet that you will need.
3. Choose your tunnel length from the left hand columns. Where the tunnel length row meets the sheet width column - that is the sheet length you will need.

HOW WIDE IS YOUR TUNNEL ?													
Tunnel WIDTH in FEET		10	12	14	16	18	21	24	27	29	30	33	
Tunnel WIDTH in METRES		3.1	3.7	4.3	4.9	5.5	6.4	7.3	8.2	8.9	9.2	10.1	
HOW IS YOUR SHEET FIXED AT THE SIDES ?	XLPOLY SHEET WIDTH REQUIRED IN METRES TO COVER YOUR TUNNEL												
	Trenched		7.3	7.3	9.2	11.1	11.1	14	14	14	not pos	not pos	
	Base rail		7.3	7.3	7.3	9.2	9.2	11.1	14	14	14	not pos	
	Mid Rail		7.3	7.3	7.3	7.3	7.3	9.2	11.1	11.1	14	14	
Tunnel Length		sheet length required to cover your tunnel is calculated as the length of your tunnel + 1 width. Add extra as needed for doors.											
Feet	Metres	XLPOLY SHEET LENGTH REQUIRED IN METRES-----											
INCLUDING ENDS													
15	5	8	8	9	9	10	11	12	13	13	14	15	
20	6	9	10	10	11	12	13	13	14	15	15	16	
25	8	11	11	12	13	13	14	15	16	16	17	18	
30	9	12	13	13	14	15	16	16	17	18	18	19	
35	11	14	14	15	16	16	17	18	19	20	20	21	
40	12	15	16	16	17	18	19	20	20	21	21	22	
45	14	17	17	18	19	19	20	21	22	23	23	24	
50	15	18	19	20	20	21	22	23	24	24	24	25	
55	17	20	20	21	22	22	23	24	25	26	26	27	
60	18	21	22	23	23	24	25	26	27	27	27	28	
65	20	23	24	24	25	25	26	27	28	29	29	30	
70	21	24	25	26	26	27	28	29	30	30	31	31	
75	23	26	27	27	28	28	29	30	31	32	32	33	
80	24	27	28	29	29	30	31	32	33	33	34	35	
85	26	29	30	30	31	31	32	33	34	35	35	36	
90	27	31	31	32	32	33	34	35	36	36	37	38	
95	29	32	33	33	34	35	35	36	37	38	38	39	
100	31	34	34	35	35	36	37	38	39	39	40	41	
105	32	35	36	36	37	38	38	39	40	41	41	42	
110	34	37	37	38	38	39	40	41	42	42	43	44	
115	35	38	39	39	40	41	42	42	43	44	44	45	
120	37	40	40	41	42	42	43	44	45	46	46	47	
125	38	41	42	42	43	44	45	46	47	47	47	48	
130	40	43	43	44	45	45	46	47	48	49	49	50	
135	41	44	45	46	46	47	48	49	50	50	51	51	
140	43	46	46	47	48	48	49	50	51	52	52	53	
145	44	47	48	49	49	50	51	52	53	53	53	54	