solplast

AGRICULTURAL PLASTICS

armando alvarez
GROUP

solplast

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solplast

AGRICULTURAL PLASTICS

We offer the best solutions for sustainable agriculture by manufacturing a wide rancge of plastics tilored specifically to each type of crop.

WE ARE INNOVATION

We continuously invest in R&D+i and in the best technology in the world.
7-layer extrusion, up to 24 m wide.

SUSTAINABILITY

We are committed to growing our bussines without compromising the wellbeing of future generations.

OUR COMPANY

PRODUCTS

FOLDING TYPES

OUR COMPANY


salplast
jejoma

THE STRENGTH OF A MAJOR GROUP

We are part of the Armando Alvarez Group, the largest Spanish processor of polyethylene plastic films (armandoalvarez.com).

"Together we make our clients stronger"

armando alvarez GROUP

THERE IS A "SOLPLAST" SOLUTION FOR EVERY CROP

At Solplast we have been transforming agricultural farming since 1986, through research, technology and creativity in specialised plastics, offering the best solutions for sustainable agriculture.

We are leaders in manufacturing plastics for agriculture, exporting to over 50 countries in five continents, with annual production capacity exceeding 60,000 tonnes.

We are able to extrude films from 10 microns up to 1 mm, at widths up to 24 m.

WE ARE INNOVATION

We implement active R+D&i policies, testing new applications and developments for plastic, in collaboration with our customers, suppliers, universities and research institutes, creating new products and solutions for each crop.

WE PROTECT THE ENVIRONMENT

We actively work on protecting the environment, applying techniques that minimise emissions and waste in the production system, while also conducting research to reduce the environmental impact of all of our products.

To this end we apply strict quality management procedures in accordance with the Standard ISO 9001.

PRODUCTS

GREENHOUSE COVERS

GREENHOUSE CROPS

Our films for greenhouse covers are designed to meet the demands of every crop.

Greenhouses create optimal environments for proper crop development. They regulate temperature, humidity and lighting as needed, and they also protect from diseases and pests.

We adapt to your needs, depending on the weather and radiation of the area to be cultivated.

DURASOL

DURATERMIC

INDASOL

DURASOL

The DURASOL greenhouse cover is ideal for crops in areas that have similar daytime and night-time temperatures, for example coastal or tropical areas.

Optimal film performance against weather aggressions such as rain, hail, wind, etc., as well as those derived from handling during installation, thanks to its impact- and tear-resistance.

PLUS option for higher resistance where bad weather is more frequent.

Highly resistant to sun damage caused by ultraviolet radiation.

Excellent transmission of visible light, especially PAR (Photosynthetically Active Radiation) which encourages plant growth.

The service life of this material will depend on the weather and radiation of the area where it is installed.

Resistant to sulphur up to 3000 ppm and to chlorine up to 200 ppm.

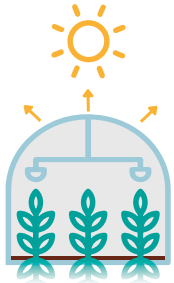
100% recyclable materials.

• DURASOL STANDARD

The basis of this greenhouse cover was specifically designed for use in very high radiation areas, preventing excess temperatures inside the greenhouse.

• DURASOL SHADOW

This film can be manufactured with different shade percentages/opacities (25%, 50%, 75%, etc.) depending on the needs of each crop.



Shadow

DURATERMIC

DURATERMIC is ideal for use in geographical areas where there are sharp temperature drops from day to night, thanks to its excellent thermal effect.

The insulating-effect thermal cover reduces overnight cooling inside the greenhouse.

Excellent tensile strength, impact and tear-resistance, which translates into better crop protection from rain, hail and moderate winds.

PLUS option for higher resistance where bad weather is more frequent.

Highly resistant to sun damage caused by ultraviolet radiation.

Excellent transmission of visible light, especially PAR (Photosynthetically Active Radiation) which encourages plant growth.

Excellent light diffusion that avoids shadows inside the greenhouse, leading to more uniform light distribution, and consequently to a crop with more uniform produce.

The service life of this material will depend on the weather and radiation of the area where it is installed.

Resistant to sulphur up to 3000 ppm and to chlorine up to 200 ppm.

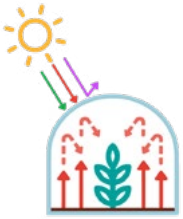
100% recyclable materials.

Special options Duratermic

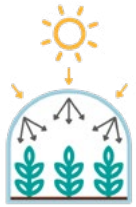
DURATERMIC STANDARD

The basis of this cover is manufactured with an IR barrier additive package that provides a thermal effect.

Its high diffusion rate provides uniform radiation inside the greenhouse, reducing shadow areas and allowing crops to grow evenly.



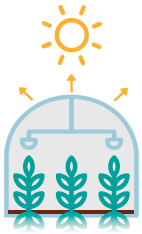
Thermicity



Diffusion

DURATERMIC SHADOW

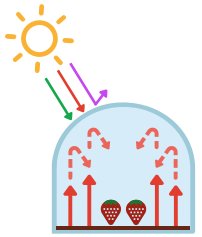
Specifically designed for use in very high radiation areas, preventing excess temperatures inside the greenhouse. It is manufactured with different shade/opacity percentages (25%, 50%, 75%, etc.) depending on the crop needs.



Shadow

DURATERMIC BERRIES

We offer 3 different types of special films for these crops: strawberry, raspberry and blueberries.

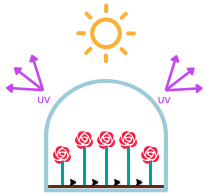


Duratermic Berries

DURATERMIC ANTIVIRUS/ ANTIBLACKENING

Designed to block the range of vision of certain insects, which are vehicles that propagate disease.

The eyesight of certain insects such as thrips is within a radiation range of UV-B (290 to 380 nm).



Duratermic Antivirus / Antiblackening

If we place a screen that filters this radiation from the greenhouse, they will become disoriented and decrease their activity, creating a “dark room” effect.

INDASOL

INDASOL is the most technical and long-lasting range of greenhouse films. Choose the INDASOL that is best suited to the treatments that you need:

INDASOL 3000 ppm

INDASOL Plus 5000 ppm

INDASOL Super Plus 8000 ppm

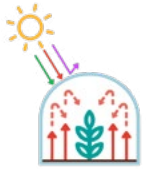
- The insulating-effect thermal cover reduces overnight cooling inside the greenhouse.
- Excellent tensile strength, impact and tear-resistance, which translates into better crop protection from rain, hail and moderate winds.
- The highest transparency in our greenhouse range.
- Maximum resistance to sun damage caused by ultraviolet radiation.
- Excellent light diffusion that avoids shadows inside the greenhouse, leading to more uniform light distribution, and consequently to a crop with more uniform produce.
- The service life of this material will depend on the weather and radiation of the area where it is installed.
- Maximum sulphur resistance: up to 8000 ppm.
- 100% recyclable materials.

Special options Indasol

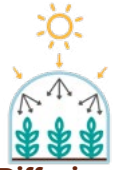
INDASOL STANDARD

The basis of this cover is manufactured with an IR barrier additive package that provides a thermal effect.

Its high diffusion rate provides uniform radiation inside the greenhouse, reducing shadow areas and allowing crops to grow evenly.



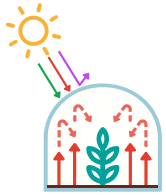
Thermicity



Diffusion

INDASOL CRYSTAL

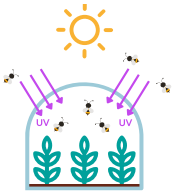
This film is specially designed to be used in low-solar-radiation areas, with few daylight hours or with a high ratio of cloudy days.
Its excellent transparency affords a high transmission of PAR radiation.



Indasol Cristal

INDASOL UV OPEN

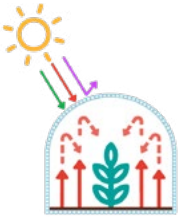
Designed to promote pollination in the greenhouse.



Indasol UV Open

INDASOL SOLAIR

Formulated with an additives package that generates an air micro-chamber inside the film, providing a temperature regulating effect inside the greenhouse and reducing maximum temperatures in the hottest seasons and times of day.

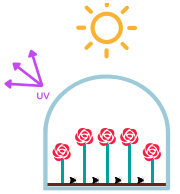


Indasol Solair

INDASOL ANTIVIRUS/ANTIBLACKENING

Designed to block the range of vision of certain insects, which are vehicles that propagate disease.

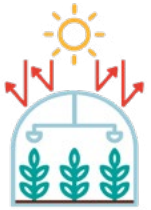
The eyesight of certain insects such as thrips is within a radiation range of UV-B (290 to 380 nm). If we place a screen that filters this radiation from the greenhouse, they will become disoriented and decrease their activity, creating a "dark room" effect.



Antivirus/
Antiblackening

INDASOL ANTITHERMAL

Designed to reduce the temperature in the greenhouse without reducing visible light.



Anti
thermal

FRUIT TREE AND TABLE GRAPE PROTECTION

PROTECTIVE FILM FOR CROPS ON VINE-TYPE STRUCTURES

These films provide control for the light, temperature and humidity necessary to improve the early ripening and quality of the end product. They help control ripening and efficiently protect the fruit from bad weather.

The side reinforcements, where a string runs through, provide higher resistance to the tension of the rib where it attaches to the structure. The central reinforcement offers better protection at the contact points, leading to a perfect installation.

WITH FILM

WITHOUT FILM

SOLGRAPES

Special film to protect table grapes.

SOLFRUT

Special film to cover fruit trees.

SOLGRAPES / SOLFRUT 2-IN-1

Multi-season fruit tree cover.

Higher early crop rate

• Growing under a cover helps to control the temperature in a vine arbour, leading to earlier crops.
• Better thinning in some varieties.
• Production increase from 10% to 25%.

Marketable fruit

• Improved conditions during flowers and bunch formations.
• Better thinning in some varieties.
• Bigger and heavier berries.

Protection

• Crop protection from bad weather.
• Delayed ripening.

Maximus resistance

• Higher resistance for a longer-lasting installation.
• Two reinforced side strips to place rings or cord that provide the correct service life.
• Central reinforced strip to protect the area in contact with the structure.
• Its most common use is in long-term installations..

Protection with rings and cord

• The rings on the sides and the central reinforcements ensure perfect installation of the triangular roof structures.
• The cord on the sides offers greater resistance to the tension exerted by the tube and is made of 100% plastic.

Characteristics

This type of film improves crop features, increasing the greenhouse effect, which reduces maximum and minimum temperatures, increasing the crop's climate comfort and improving its general growth and quality.

The sides, where the cord runs through, and the centre, or ridge, are thicker than the rest as a reinforcement against the friction caused by the structure's posts. Depending on the film thickness, the covers may also work as hail protection, or they can be a complement to the netting used for this purpose..

This product is especially stabilised to protect it from the degradation caused by UV radiation, but also from damage caused by the pesticides used for growing table grapes.

Good optical properties to optimise crop uniformity.

Its service life is variable depending on end-use and desired duration: choose the best option for your crop, from one season up to three years.

Different perforation patterns are available for ventilation and humidity control.

All materials are made of LDPE and are 100% recyclable.

SOLFRUT

Protecting fruit crops against bad weather conditions is essential, as well as creating an optimal environment, as it allows regulation of the temperature, humidity and light as the crop requires.

· Minimises the fruit's 'cracking' effect.

· Rain and hail protection.

· Early crop, depending on the weather.

SOLGRAPES

Our special film for table grape growing is made with cord reinforcements on the sides to resist maximum stress when attached to the structure, thus providing numerous benefits for the vines such as protection and controlled ripening.

· Weather protection and controlled ripening.

· Better thinning in some varieties, increasing production by 10 to 25%.

· This film provides optimal conditions during flowering and bunch formation, leading to bigger and heavier berries.

· Rain and hail protection avoids the negative consequences of these phenomena.

SOLFRUT / SOLGRAPES 2-IN-1

Protection between seasons.

Cover film with a protective band in a single LDPE material, comprised of:

ARBOUR COVER: Protective white/black film, 1 m G-400.

BAND: Opaque white, 0.5 m in G-720 welded to the film.

- Savings in labour costs as it can be stored by the band on the structure itself.
- Extends the cover service life.

THICKNESS	DURATION
T-145	2 years
T-160	3 seasons
T-180	3 years

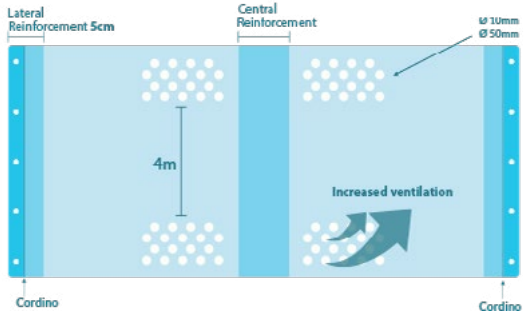
(*) Service life will vary depending on the exposure of the material and on the geographical area.

Perforation patterns available

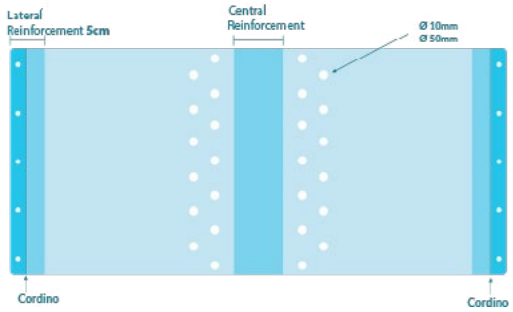
All patterns are designed to ventilate and control crop temperature.

They will be tailored to the type of crop and climate of the geographical area where they are installed.

Perforated at intervals



Central perforation



MULCH FILM

MULCH FILMS FOR ROW CROPS

The various substrates with which we work at Solplast, both traditional polyethylene and biodegradable, offer multiple benefits for your crops.

Applying mulch films helps to keep the ground moist, preventing water evaporation, avoiding soil dry out and helping root development.

It also helps to regulate and balance ground temperature between daytime and nightime temperature fluctuations. This effect improves root development, which leads to better crop quality.

TRADITIONAL

- NATURAL MULCH FILM
- BLACK MULCH FILM
- WHITE/BLACK MULCH FILM
- SILVER/BLACK MULCH FILM
- PHOTOSELECTIVE MULCH FILM

BIODEGRADABLE

- BIOSOL

NATURAL MULCH FILM

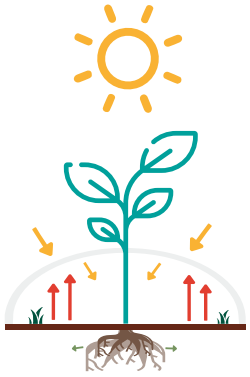
Natural mulch film raises the ground temperature, which contributes to an earlier crop.

Prevents water condensation drops from forming on the film's surface, which improves radiation towards the ground. A valid option for natural mulch.

All of our mulch films can be macroperforated with different perforation diameters or printed as planting frames.

UV stabiliser package (optional for clear mulch film) that provides a service life suited to its purpose and conditions of use.

100% recyclable materials.



Natural

BLACK MULCH FILM

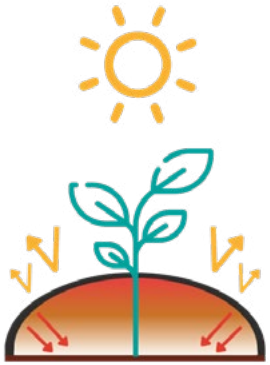
Its dark colour warms the ground that is in contact with the film and stops weeds from growing.

It prevents sunlight from penetrating, therefore water and fertilisers are optimally absorbed.

Its features stop weeds from growing.

All of our mulch films can be macroperforated with different perforation diameters or printed as planting frames.

100% recyclable materials.



Black

WHITE/BLACK MULCH FILM

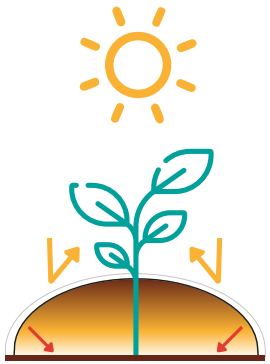
It stops weeds from growing, as it does not allow sunlight through.

The reflection from the white layer contributes to high performance and early crop, as it directs extra light to the section of the plant that is above-ground (better reflection than the silver/black mulch film).

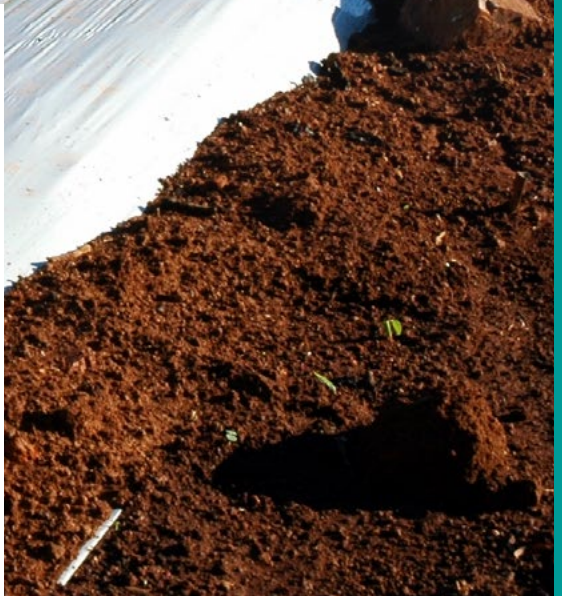
It also avoids the risk of burns to the leafy section of the plant and fruit that are in contact with the film, since it heats up much less than black film.

It is a repellent for whiteflies.

By reflecting a large part of the radiation, the ground heats up less and therefore this mulch film is ideal for areas where other types of film (black or natural) would make the temperatures excessive for plant development.



White/black



- Its features stop weeds from growing.
- All of our mulch films can be macroperforated with different perforation diameters or printed as planting frames.
- UV stabiliser package (optional for clear mulch film) that provides a service life suited to its purpose and conditions of use.
- 100% recyclable materials.

SILVER/BLACK MULCH FILM

It stops weeds from growing, as it does not allow sunlight through.

The reflection from the silver layer contributes to high performance and early crop, as it directs extra light to the plant (although not as much as the white/black mulch film). It also avoids the risk of burns to the leafy section of the plant, since the film heats up much less than black film.

Its mirror effect of the UV spectrum makes this mulch film the most repellent to certain insects.

Designed for crops that do not need to receive much heat during the day, as it reflects a large part of the incident radiation from the ground.

- Its features stop weeds from growing.
- All of our mulch films can be macroperforated with different perforation diameters or printed as planting frames.
- UV stabiliser package (optional for clear mulch film) that provides a service life suited to its purpose and conditions of use.
- 100% recyclable materials.

Silver/black

PHOTOSELECTIVE MULCH FILM

Thanks to its photoselective additive package, it stops part of the visible light from coming through (which enables photosynthesis), thus preventing weed growth.

On the other hand, these photoselective additives allow thermal radiation through, which warms the ground and increases the temperature, enhancing root development.

It is recommended to not use this type of mulch film in hot-weather seasons because the temperature that this mulched ground may reach could be excessive for the plant's root system (it would be better to use a W/B or S/B film).

- Its features stop weeds from growing.
- All of our mulch films can be macroperforated with different perforation diameters or printed as planting frames.
- UV stabiliser package (optional for clear mulch film) that provides a service life suited to its purpose and conditions of use.
- 100% recyclable materials.

Photoselective

BIODEGRADABLE MUNCH FILM BIOSOL

This film is manufactured with raw materials of vegetable origin, from renewable sources, and is biodegradable in the soil.

The film biodegrades in the ground thanks to the microorganisms present in the soil. The underground section breaks down easier when it is damp.

As it is biodegradable, it avoids problems with waste plastic on the field, as well as the costs of picking up the film after the crop.
In addition to being sustainable, this material maintains crop quality.

Its features stop weeds from growing.

All of our mulch films can be macroperforated with different perforation diameters or printed as planting frames.

Biodegradable

Schematics for a planting frame

Choose the option that your crop requires, we tailor it to your needs.

Macro-hole

Salade

Staggered holes

Parallel

DISINFECTION

SPECIAL PLASTICS TO DISINFECT AGRICULTURAL SOIL

We have latest-generation machinery to guarantee optimal disinfection.

EFFICIENT DISINFECTION, depending on the type of disinfection, we recommend a certain type of film or another. Each is designed with specific features to adapt them to the various on the market.

EXTRUSION UP TO 7 LAYERS, providing farmers with the best mechanical and agricultural performance to prepare the soil before planting.

SOLARISATION

- ECOSOL

CHEMICAL DISINFECTION

- DF SOLBARRIER
- SOLTIF

DISINFECTION BY BIOFUMIGATION

- SOLTIF BF

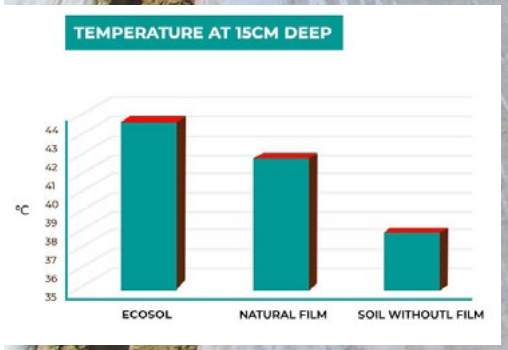
SOLARISATION: ECOSOL

It provides optimal thermal conductivity to warm deeper into the soil.

This technique consists of using solar energy by means of films, which is environmentally-friendly and economical both inside the greenhouse and in the field.

Its high transparency and condensation-proof effect achieve the highest solar radiation for the ground.

- Manufactured with resins that have thermal properties to keep the ground warm for longer.
- Highly transparent to allow maximum sunlight in.
- Maximum use of solar energy to warm the ground.
- Its composition includes anti-drip additives that reduce drop formation on the surface and allowing for maximum sunlight penetration.
- 100% recyclable materials.



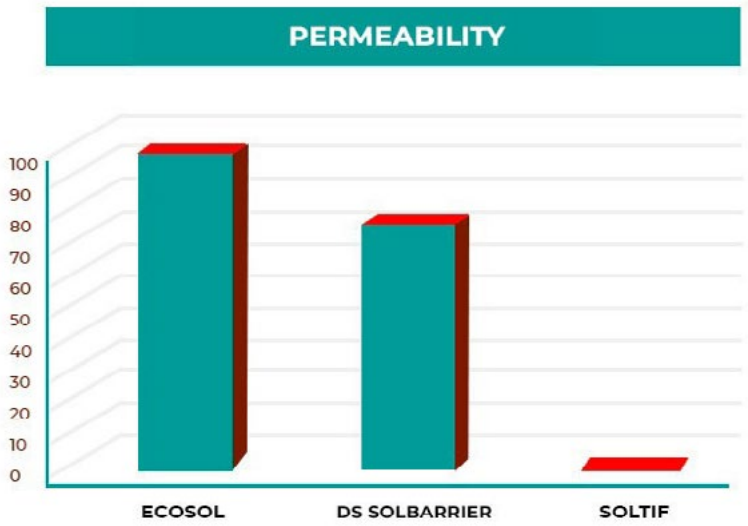
MUCH MORE EFFICIENT THAN A REGULAR CLEAR FILM:
With a normal film, temperatures increase 4°C to 5°C at a depth of 15 cm. With the ECOSOL film, the ground temperature could increase by up to 7°C. This temperature difference considerably improves solarisation efficiency. This reduces the time needed for disinfection.

CHEMICAL DISINFECTION

Chemical disinfection is a very efficient alternative for treating soil, and the quality achieved is quite high with this technique.

Current legislation and good environmental and occupational safety practises are limiting the use of soil disinfection products. The performance of these products must be optimised to achieve a highly effective disinfection.

Depending on the products that you use, you will need different types of film. Contact us and we will advise you.



DS SOLBARRIER

Designed to be used with disinfectants and biofumigants that do not need a specific barrier for gases according to regulations in force.

DS SOLBARRIER is made with additives that increase the impermeability to gases inside the ground, compared to traditional plastics, achieving:

- *Increased temperature.*
- *Reduced disinfection time.*
- *Increased effectiveness of the products used.*
- *Reduced loss of disinfectant.*
- *Reduced chemical damage on the cover.*

The purpose of disinfecting the ground before planting is to increase as much as possible the death rate of pathogens.

The purpose of films used for chemical sterilisation is to retain as much of the disinfectant as possible. DS Solbarrier reduces leakage.

100% recyclable materials.

SOLTIF

Total disinfection with SOLTIF, the most impermeable film on the market for soil disinfection.

- *Plastic made in 7 layers and 30 microns for total impermeability.*
- *Fully flexible.*
- *Prevents the penetration of the gases through the plastic, avoiding their leakage to the environment thanks to its central layer manufactured with EVOH.*
- *100% barrier effect.*
- *Protects your greenhouse cover.*
- *Environmentally-friendly.*
- *1.000 times more waterproof than a regular clear film of the same gauge.*

Made with high barrier that eliminates gas leaks and keeps the environment clean, thus ensuring worker health and safety and improving environmental protection.

Its barrier-effect allows for maximum use of the sterilisation product, completely removing pathogens.

Its 7-layer manufacture and the use of EVOH technology on the central layer make it more impermeable than any other film.

100% recyclable materials.

DISINFECTION BY BIOFUMIGATION

Biosolarisation is a combination of solarisation and biofumigation. The combination of plastic on moist ground with the addition of organic matter produces an efficient disinfectant power resulting from the combined thermal effect and fumigant gases generated from these processes.

Biofumigation is based on the effects on pathogens and phytoparasites of gases from the biodecomposition in the soil of organic soil conditioners and plant remains, either by cultivating them in crop rotation or by using them as green fertilisers. The compounds released in the decomposition of certain brassicas have insecticide, fungicide, nematicide, bactericide and herbicide effects.

TIPS FOR PROPER BIOFUMIGATION

- Till the ground and add fresh animal organic matter, such as manure, or plant matter, such as crop waste. The recommended amount is around 40 TN/ha.
- Moisten the soil to field capacity.
- Compact the ground with a tractor roller to increase concentration.
- Use SOLTIF B to retain gases and increase efficiency.

Characteristics

They have a thermal effect that magnifies the greenhouse cover's effect.

Prevents drops from forming inside the sheet due to condensation inside the greenhouse. Instead of drops, it forms a continuous sheet of water, which at the proper slant of the double layer film, slides towards the greenhouse strips, avoiding drips onto the plants and reducing the risk of diseases.

Made with high barrier that eliminates gas leaks and keeps the environment clean, thus ensuring worker health and safety and improving environmental protection.

Its barrier-effect allows for maximum use of the sterilisation product, completely removing pathogens.

Its 7-layer manufacture and the use of EVOH technology on the central layer make it more impermeable than any other film.

100% recyclable materials.

SOLTIF BF

A special plastic for soil disinfection by biofumigation.

To achieve an optimal result, this technique requires specific films to reach maximum disinfection efficiency. These materials require maximum thermal retention and barrier effect for gases. This allows them to retain maximum ground temperature and maximise use of 100% of the fermenting gases.

SOLTIF BF is a 100% barrier film that retains the internal gases from the fermentation process. It is extra-thermal, and along with the drip-proof effect of its formula, it allows maximum use of solar radiation and gas generation for optimal disinfection, as in a solarisation technique.

DOUBLE SCREEN

FILM TO IMPROVE CROP THERMAL PROTECTION

Plastics for double screen greenhouses amplify the thermal effect of the cover and in turn allow for maximum light transmission towards the greenhouse interior.

Their purpose is to create an air chamber, or insulation, between the cover plastic and the double chamber that regulates the temperature, reducing temperature variations and mitigating plant stress.

Another advantage is that the double screen protects the crop from potential dripping from the greenhouse cover, especially in “ridge and furrow” structures.

They can be manufactured with 10 or 15 mm-diameter perforations, to improve ventilation inside the greenhouse and in turn, avoid water from pooling on top of the double chamber.

- **DC SOLTERM**
- **DC CRYSTAL**
- **DC CRYSTAL PLUS**

Characteristics

They have a thermal effect that magnifies the greenhouse cover's effect..

SOLPLAST's double screen plastic is made with resins that notably improve visible light transmission inside the greenhouse, minimising light loss in the crop area.

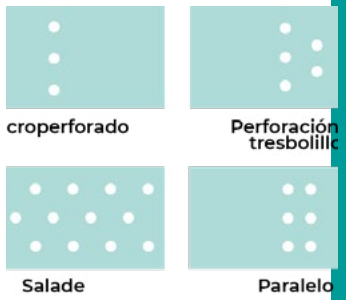
Prevents drops from forming inside the sheet due to condensation inside the greenhouse. Instead of drops, it forms a continuous sheet of water, which at the proper slant of the double layer film, slides towards the greenhouse strips, avoiding drops onto the plants and reducing the risk of diseases.

They can be produced with 10 or 15 mm-diameter perforations to improve ventilation inside the greenhouse.

100% recyclable materials.

DC SOLTERM

The highest heat conductivity in your greenhouse.

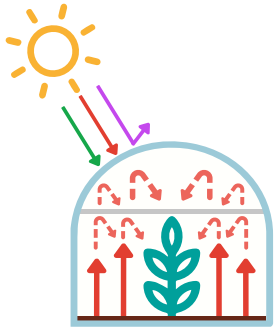


DC CRYSTAL

The highest transparency and visible light penetration for your crop.

DC CRYSTAL PLUS

It achieves almost 100% clarity in your greenhouse with the most transparent film on the market.



DC CRYSTAL

LOW TUNNELS

FILMS FOR SEMI-FORCED CROP PLANTATIONS

Low tunnels are simple and light structures, used to protect crops from harsh weather and external threats.

They regulate thermal conductivity during daytime, and prevent heat loss at night.

These films can be manufactured with 12, 10 or 5 mm-diameter perforations, with different patterns, to regulate ventilation inside the low tunnel, assisting in crop development.

- **TUNESOL NATURAL AND NATURAL UV**
- **TUNESOL THERMAL DIFFUSE**
- **TUNESOL THERMAL CRYSTAL**
- **TUNESOL MACRO/MICRO THERMAL BLANKET**

TUNESOL NATURAL AND NATURAL UV

For crops that do not require thermal conductivity.

TUNESOL Natural UV's ultraviolet stabilisation affords it a longer service life if it were needed for its specific purpose.

Maximum protection from harsh weather and external agents.

All of these films can include anti-drip additives, which prevent drops from forming inside the sheet. Instead of these drops, there is a continuous sheet of water, preventing dripping onto the plants and thus reducing the risk of diseases.

The UV Plus stabilisation provides a longer service life if it were needed for its specific purpose.

These films can be manufactured with 12, 10 or 5 mm-diameter perforations, with different patterns, to improve ventilation inside the low tunnel, assisting in crop development.

All of our films are 100% recyclable.

TUNESOL THERMAL DIFFUSE

Its excellent diffusion evenly distributes the light received by plants, improving their development.

Its thermal effect guarantees a reduced difference between daytime and night-time temperatures, compared to Tunesol Natural.

Recommended for areas with a high radiation index.

Maximum protection from harsh weather and external agents.

They have a thermal effect.

All of these films can include anti-drip additives, which prevent drops from forming inside the sheet. Instead of these drops, there is a continuous sheet of water, preventing dripping onto the plants and thus reducing the risk of diseases.

Diffusion option to evenly distribute light.

These films can be manufactured with 12, 10 or 5 mm-diameter perforations, with different patterns, to improve ventilation inside the low tunnel, assisting in crop development.

All of our films are 100% recyclable.

TUNESOL THERMAL CRYSTAL

Its thermal effect guarantees a reduced difference between daytime and night-time temperatures, compared to Tunesol Natural.

Its transparency makes it especially suited for use in geographical areas with low solar radiation.

Maximum protection from harsh weather and external agents.

They have a thermal effect.

All of these films can include anti-drip additives, which prevent drops from forming inside the sheet. Instead of these drops, there is a continuous sheet of water, preventing dripping onto the plants and thus reducing the risk of diseases.

Maximum transparency, if your crop or area so requires.

These films can be manufactured with 12, 10 or 5 mm-diameter perforations, with different patterns, to improve ventilation inside the low tunnel, assisting in crop development.

All of our films are 100% recyclable.

TUNESOL MACRO/MICRO THERMAL BLANKET

Maximum protection from frost.

Provides the necessary light, temperature and humidity control to produce earlier crops and improve the quality of the end product.

Promotes crop vegetation development and brings the season forward by at least 10 days.

Reduces the impact of diseases from fungi and the development of pests such as greenflies and spiders.

Does not require hoops and is available in widths up to 8 metres.

Maximum protection from harsh weather and external agents.

They have a thermal effect.

These films can be manufactured with 12, 10 or 5 mm-diameter perforations, with different patterns, to improve ventilation inside the low tunnel, assisting in crop development.

All of our films are 100% recyclable.

SILAGE

PLASTIC FOR FODDER CONSERVATION

Solplast offers highly efficient solutions for optimal fodder storage and fermentation, maximising the food's nutritional value for livestock.

Our films are manufactured using the latest 7-layer technology, offering a long-lasting, high-performance product that is easy to handle and suited to the most demanding weather conditions.

AVAILABLE IN WIDTHS UP TO 48 METRES

Ask our experts !

SILOFARM®

SILOMAX®

SILOXTREME®

2-IN-1 SOLUTIONS

- POWEDUO®
- POWER2SEAL®

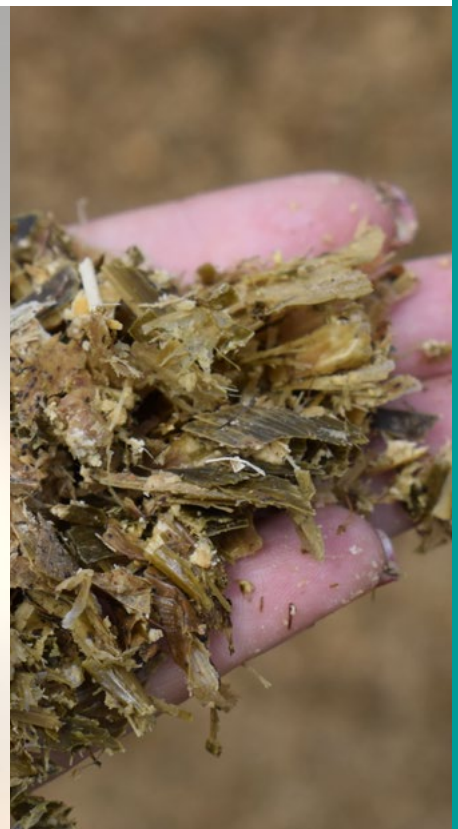
OXYGEN BARRIER

- GREENSEAL®
- OXYSEAL®

SILOFARM®

SILOFARM is a traditional 3-layer film that meets the minimum features required by the European standard for silage films EN-13207.

WIDTH	4m-18m		
THICKNESS	125µ	150µ	200µ
RESISTANCE	KG	KG KG	KG KG KG
UV STABILISATION	12 months	12 months	12 months
COLOURS			

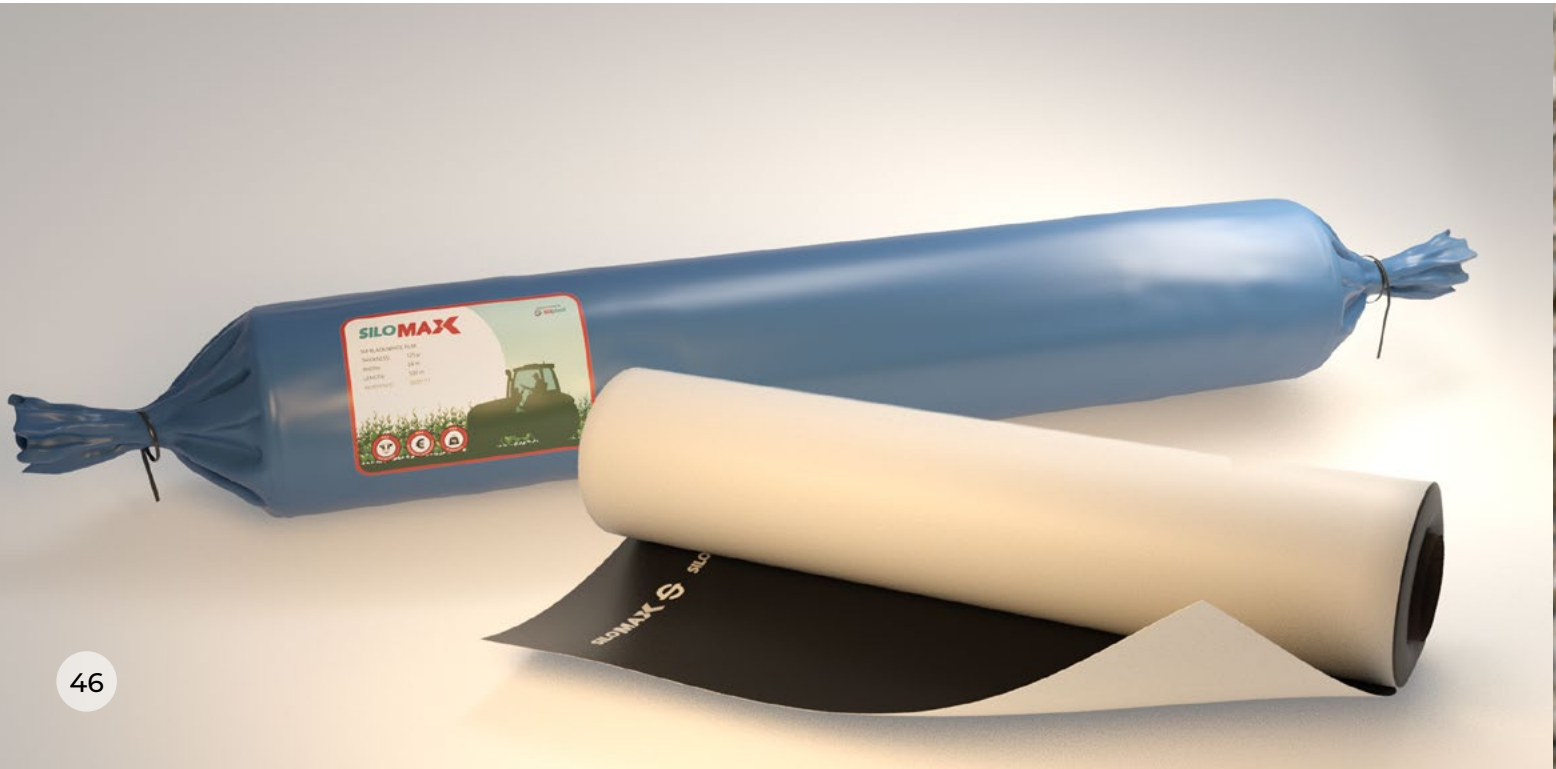


SILOMAX®

SILOMAX is a premium film that meets the demanding German quality standard DLG.

Its 5-layer technology guarantees high mechanical performance and longer service life.

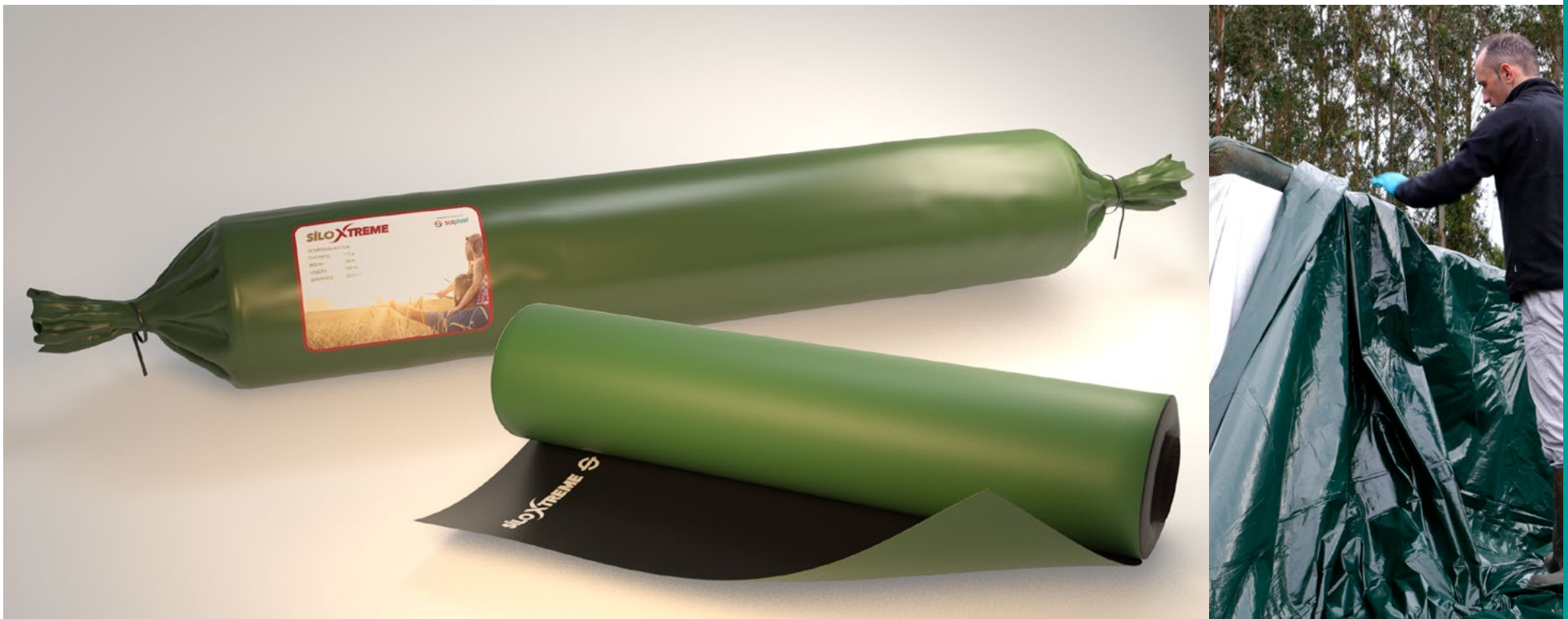
WIDTH	4m-24m		
THICKNESS	115µ	125µ	150µ
RESISTANCE	KG KG KG	KG KG KG	KG KG
UV STABILISATION	15 months	15 months	15 months
COLOURS			



SILOXTREME®

With its exclusive 7-layer technology, SILOXTREME reduces thickness and improves mechanical resistance, leading to better fodder quality thanks to improved adaptability to the silage surface, which reduces air pockets.

WIDTH	4m-24m		
THICKNESS	100µ	115µ	125µ
RESISTANCE	KG KG KG KG	KG KG KG KG	KG KG KG
UV STABILISATION	18 months	18 months	18 months
COLOURS			



2-IN-1 SOLUTIONS

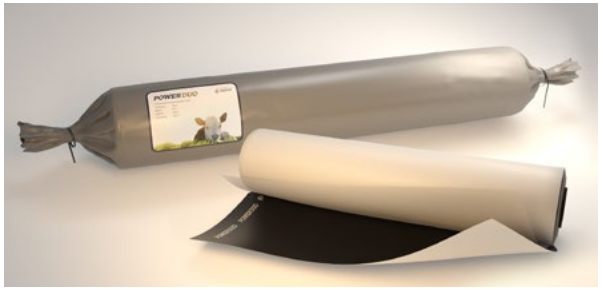
Our range of 2 in 1 solutions is designed to reduce installation time and to facilitate the installation of silage and underlayer films, which are normally used separately.

Benefits of Power Duo and Power2seal:

- Easy, quick and safe installation. Saves up to 50% on labour.
- Lower risk of damage to the underlayer, as it does not have to be walked on during the installation process.
- High quality fodder, as the film adapts perfectly to the silage surface.

POWER DUO®

SILOXTREME
+ AGRIFRESH



WIDTH	4m-24m
THICKNESS	115 + 35 µ 125 + 35 µ
RESISTENCE	KG KG KG KG
UV STABILISATION	15 months
COLOURS	
PERMEABILITY	< 350cc/m2 per day

POWER2SEAL®

SILOXTREME
+ GREENSEAL

WIDTH	4m-24m
THICKNESS	100 + 40 µ 115 + 40 µ
RESISTENCE	KG KG KG KG KG
UV STABILISATION	18 months
COLOURS	
PERMEABILITY	< 8cc/m2 per day

OXYGEN BARRIER

The search for improved fodder quality and lower losses associated with oxygen penetration in silage has led Solplast to develop a wide range of oxygen-barrier films.

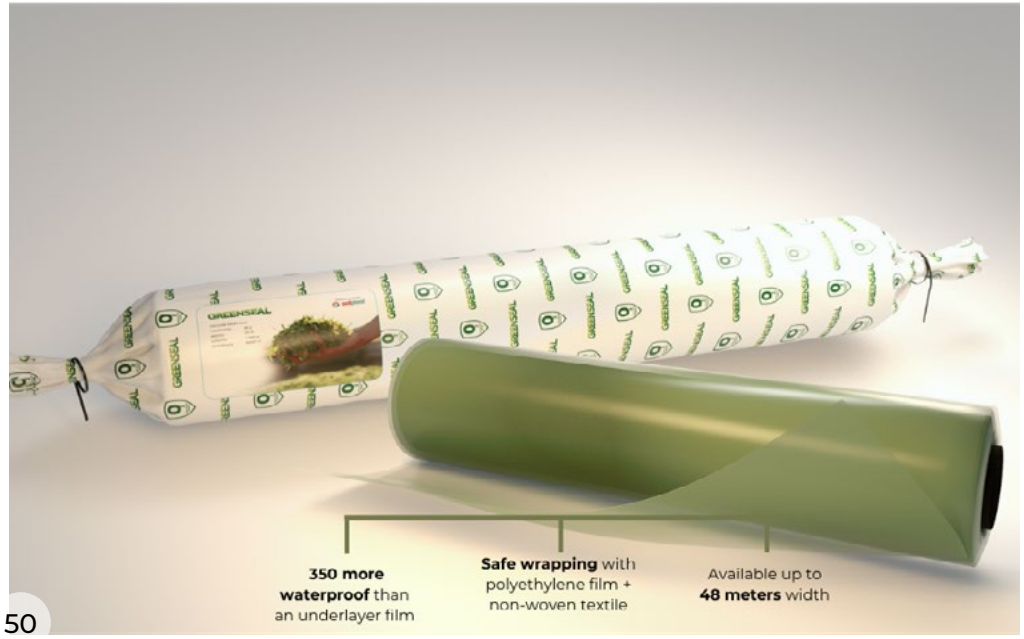
Our oxygen-barrier films provide waterproofing that is 350 to 600 times better than traditional films. This oxygen barrier is created thanks to a layer of EVOH and the use of the latest 7-layer technology.

Using these films maintains the fodder's energy-dense content and nutritional value, positively influencing animals' performance and health.

GREENSEAL®

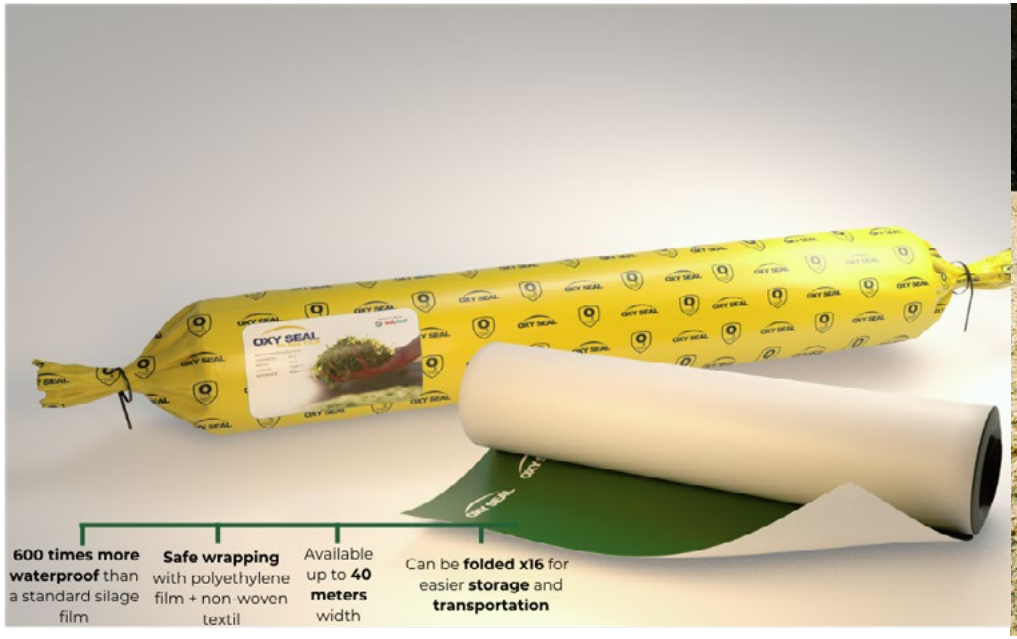
A light and flexible 40-micron 7-layer film manufactured with a layer of EVOH that prevents oxygen from penetrating the silage. Perfect adaptability to the silage surface and elevated water resistance offer the following benefits:

- *Better fodder conservation. The fodder remains fresh and dry once the silage is opened.*
- *Almost zero loss.*
- *Better aerobic stability.*
- *Improves palatability, making it appetising to livestock and ensuring the daily recommended intake.*
- *Reduced loss of dry matter in the first metre, making fodder more nutritious and energy-dense.*



OXYSEAL®

Its 7-layer structure and EVOH technology make this film ultra-resistant and light. With permeability among the lowest in its segment, Oxyseal prevents oxygen from entering the silage, which improves anaerobic fermentation, reduces losses and results in higher fodder quality.



WATERPROOFING

PLASTIC FOR RESERVOIR LINING

The best alternative for water storage is to build small reservoirs, waterproofed with plastic liners.

The benefits of using these liners are their low cost and easy installation. They are designed for traditional installation, joining them by overlapping and adhesive tape.

STANDARD GEORESERVOIR

WELDABLE GEORESERVOIR

STANDARD GORESERVOIR

The classic and useful option for tank construction.

WERDEABLE GORESERVOIR

The central layer is made with high mechanical resistance materials that provide the product with the stiffness necessary to properly handle it. It is also made with high weldability materials on the outside layers, which guarantees an excellent joint between the various sheets used in the reservoir construction.

Especially suited for installation using thermal welding for the sheet joints.

The materials used in their manufacture provide the films with good resistance to punctures and impacts.

This film is stabilised with carbon black to guarantee full opacity, as well as good UV protection, extending the product service life under high-radiation weather conditions.

The price is very competitive compared to other waterproofing systems.

100% recyclable materials.

SPECIAL PRODUCTS

MATERIALS FOR THE AGRICULTURAL INDUSTRY

Within its range of products, SOLPLAST also offers solutions for different purposes, using specific materials.

HYDROPONIC CROPS

SHRINK WRAP FOR CUCUMBERS

HYDROPONIC CROPS

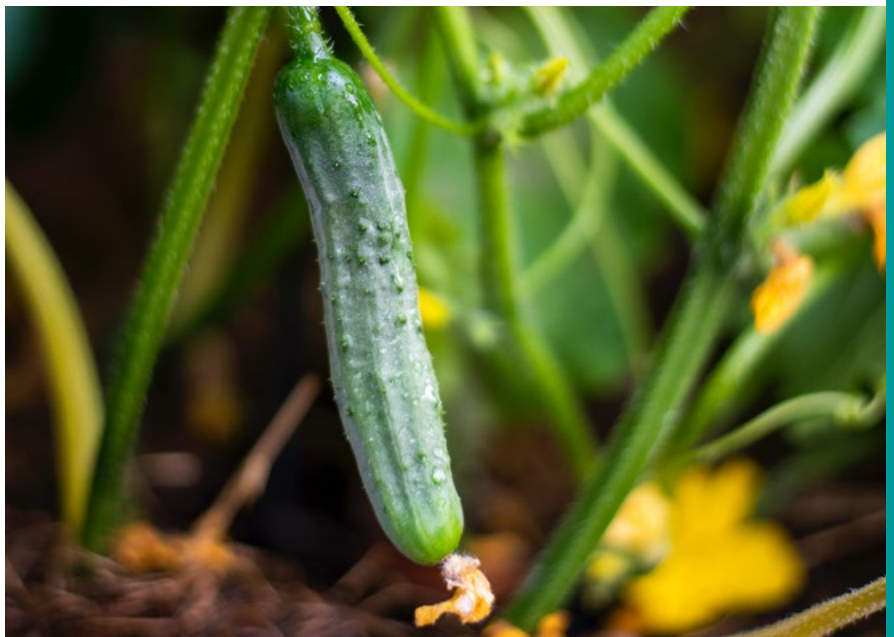
White/Black films that are used as base for potting soil in hydroponic crops (without soil) and are manufactured in gauges starting at 100 µ (400 gauge).

- Offers fantastic mechanical properties.
- Light reflection from the white layer avoids excess temperatures and provides extra reflection of light for the lower sections of plants, improving crop yield.
- 100% recyclable materials.

SHRINK WRAP FOR CUCUMBERS

This product was designed specifically for cucumber packaging. It is manufactured in gauges between 15 and 20 µ with food-grade resins.

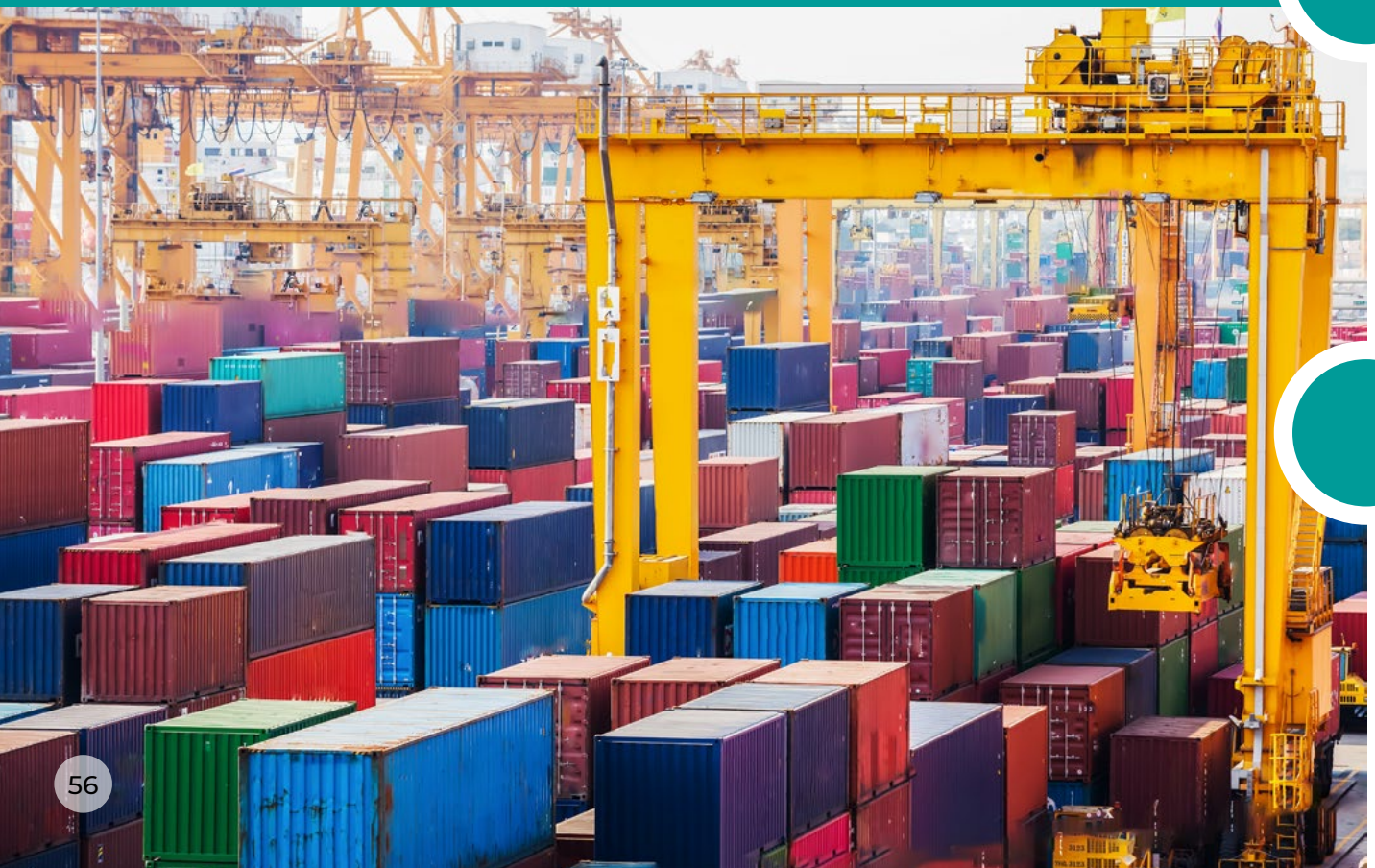
- Film designed specifically for this purpose, which can be shrink-wrapped to fit the cucumber's shape.
- Its shine and transparency make it especially suited to this purpose, as it does not affect the fruit's colour
- 100% recyclable materials.



INDUSTRIAL PACKAGING PRODUCTS

At Solplast, S.A. we have been at the forefront in plastic manufacturing for different purposes since 1986.

Our ongoing commitment to the best R&D+i technologies has enabled us to develop products for industrial uses, that provide us with the chance to complete a wide range of solutions for many different purposes..



SHRINK WRAP

LINERS FOR BULK TRANSPORTATION AND FLEXITANK

LINERS FOR VACUUM PACKAGING IN BIG BAGS

SHRINK WRAP

Special white shrink wrap film that is easily installed and flexible, to be used for various purposes:

- Protection of boats and yachts.
- Construction.
- Packaging for large and bulky items.
- Storage of delicate products.
- Pallet fumigation.
- Protection from external agents.

This film is normally manufactured in widths between 8 and 18 metres in 200 microns; and between 8 and 16 metres in 300 microns.

SOLPLAST tailors this type of products for each specific purpose, adjusting its properties depending on the results required in each case.

A film that is easily handled to wrap large structures.

Made with UV stabiliser for outdoor storage.

The film conforms to the shape of the stored product.

All of our films are fully recyclable.

FLAME RETARDANT SHRINK-WRAP FILM

This shrink wrap film is made with flame retardant additives that provide maximum flame propagation delay, thus giving enough time to extinguish a potential fire. The film also reduces smoke production and flaming droplets.

This film is ideal for total adherence to the surface to be protected. Made in opaque white.

VCI ANTI-CORROSION SHRINK WRAP FILM

This film is manufactured with anti-corrosion additives that afford maximum protection against rust on the packaged material.

The best film on the market to protect the covered surface from damage in contact with liquids, during bad weather conditions or long-haul shipping.

LINERS FOR BULK TRANSPORTATION AND FLEXITANK

Solplast has developed several types of film specific for lining containers and flexitanks. They are used as a profitable solution for filling containers, to transport both solid and liquid products.

Liners are used throughout the world for shipping raw materials that require humidity control, protection from odours, as well as efficient insulation against external contamination. They are also used as a physical protection barrier to prevent contamination of the loaded container, thus allowing for the loading of products that are very different from each other, using the same container in successive trips, simply by changing out the liner.

Materials manufactured in different widths and gauges depending on their end use.

Fully waterproof film, made with EVOH technology to prevent product oxidation during transport or to contain inert preserving gases.

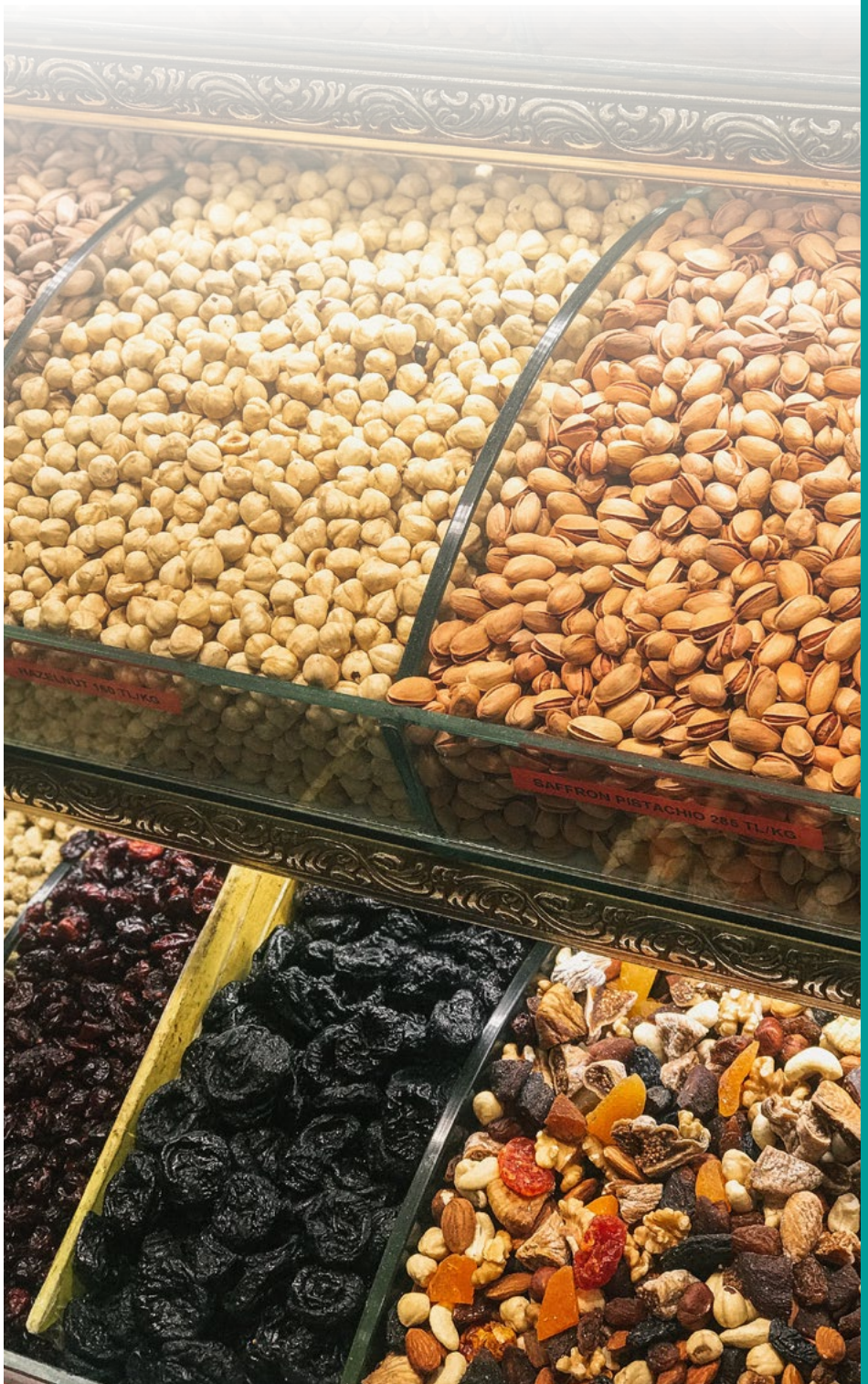
The film conforms to the shape of the stored product.

All of our films are fully recyclable.

LINERS FOR VACUUM PACKAGING IN BIG BAGS

Solutions for vacuum packaging food or highly contaminating chemical products or which, due to their features, are at risk of losing their properties in contact with air, thus avoiding the oxidation process.

Made in different sizes to transport food in grain, liquid or powder form.



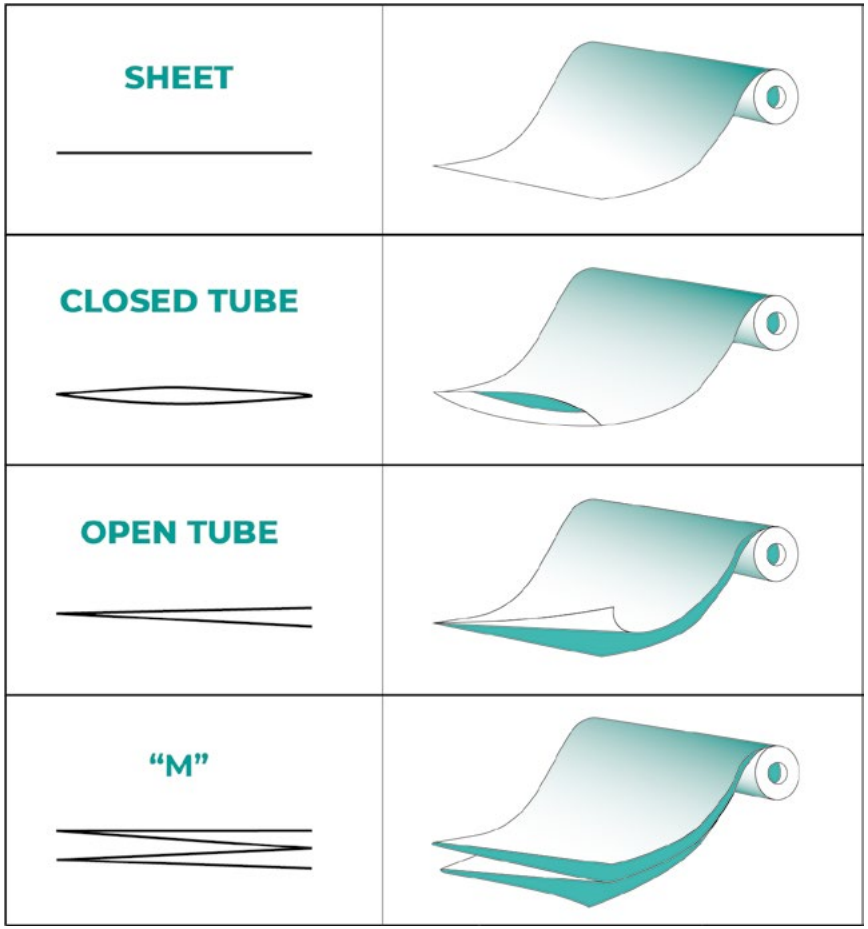
Fully waterproof film, made with EVOH technology to prevent product oxidation during transport or to contain inert preserving gases.

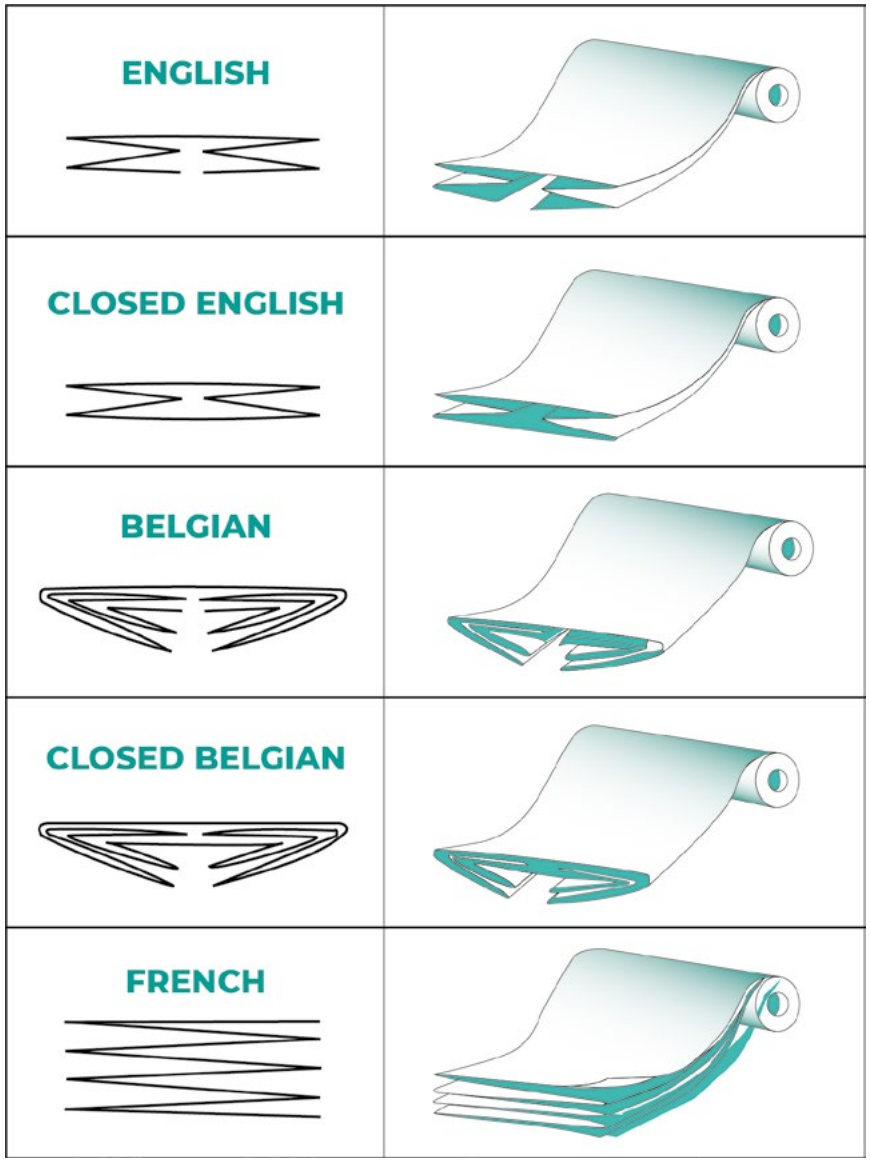
The film conforms to the shape of the stored product.

All of our films are fully recyclable.

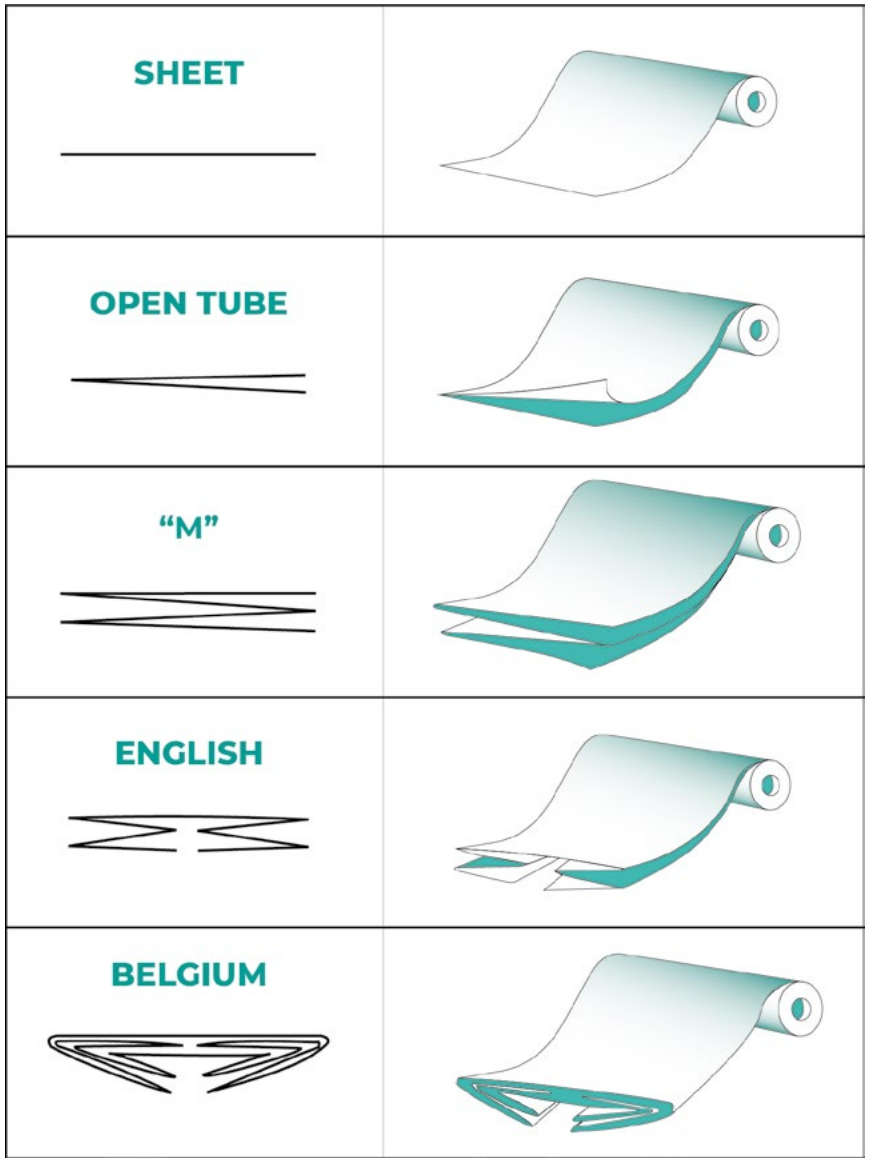
FOLDING TYPES

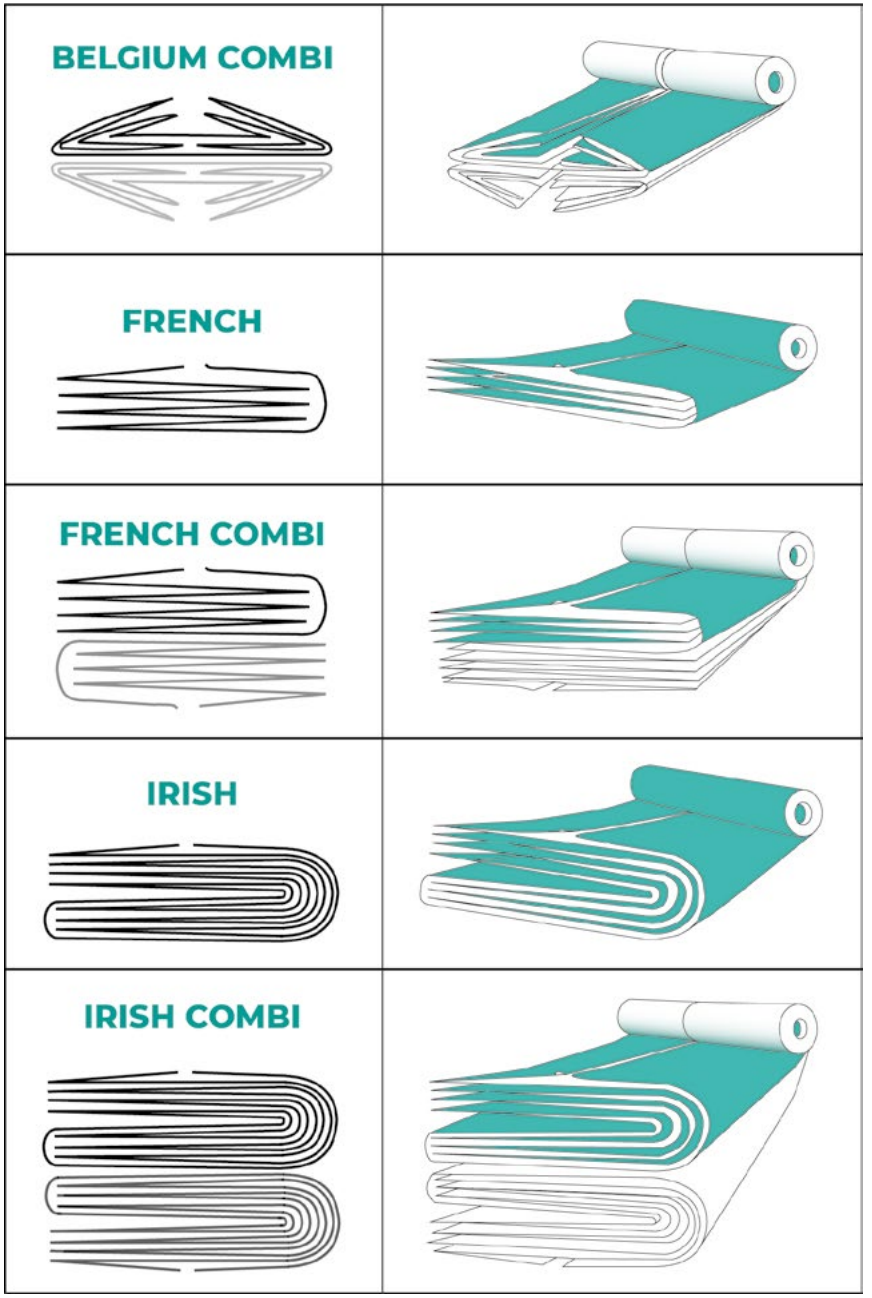
- **GREENHOUSE COVERS**





- **SILAGE**


SHEET
OPEN TUBE
"M"
ENGLISH
BELGIUM


BELGIUM COMBI
FRENCH
FRENCH COMBI
IRISH
IRISH COMBI

solplast