

FABRICS



BRANDS CARRIED

Green-tek

p. 2-6
green-tek.com



p. 7
totalenergygroup.com

svensson

p. 8
ludvigsvensson.com

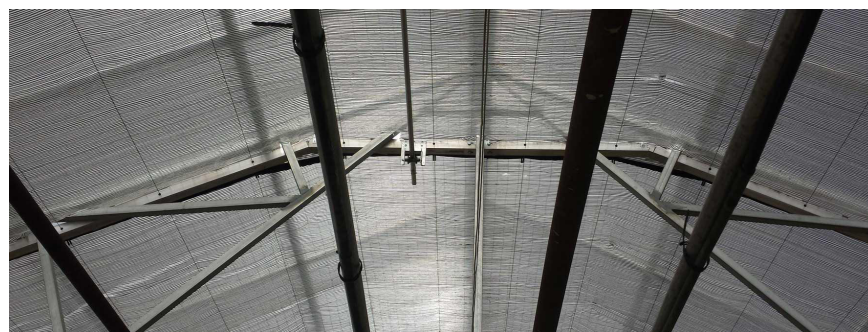


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dewittcompany.com

Aluminet Cool Shade

World Famous Aluminet is a highly reflective Aluminized Shade Fabric that provides a radically cooler shade environment than does traditional black shade cloth. Reflecting the intense IR radiation of the Sun, many Aluminet customers report double digit temperature improvements versus the dark shade cloth that they had used previously.

Aluminet Thermal Screens offer superior year round climatic protection for flowers, potted plants and vegetables. Aluminet acts like a mirror as its unique aluminized screens reflect unwanted sunlight and harmful radiation heat from the greenhouse during summer, and preserve the heat inside the greenhouse in winter.



Benefits of Aluminet include:

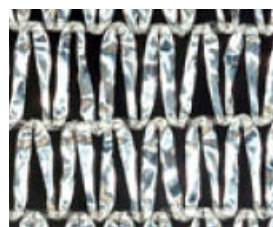
- Moderation of day/night temperatures
- Uniform shadows
- Enabling microclimate control in greenhouses and nurseries.
- Control of air movement and optimum diffused light transmission to the crops.
- Aluminet heat curtain protects against frost radiation and saves energy in heated structures due to its high reflectivity.

Specifications

| | |
|---------------------------------|--|
| Standard Widths | 6.5 feet, 13 feet, and 26 feet |
| Roll Length | To size - up to 2,000 feet |
| Warranty for U.V. Stabilization | 5 years under the covering / 4 years over the greenhouse |
| Availability | 30%, 40%, 50%, 60% (70% by special order) |

Properties

| Shade Level | 30% | 40% | 50% | 60% | 70% |
|--------------------------------------|------|------|------|------|------|
| Energy Savings | N/A | 15% | 20% | 40% | 45% |
| Direct Light Transmission | 70% | 55% | 50% | 40% | 30% |
| Burst Strength (kg/cm ²) | 3.9 | 3.6 | 3.7 | 4.3 | 4.7 |
| Weight (oz/sq. ft.) | 1.97 | 1.86 | 2.01 | 2.53 | 2.57 |
| Diffused Light Transmission | 72% | 75% | 65% | 55% | 45% |





Green-Tek Knit Shade Fabrics (Shade-Rite)

Green-Tek offers a full range of high-quality knitted shade cloth for a full range of DIY and architectural applications. Shade-Rite from Green-Tek is made from special knitted tapes that have UV resistant additives giving the net durability and longevity. Knitted shade cloth is resistant to agrochemicals.

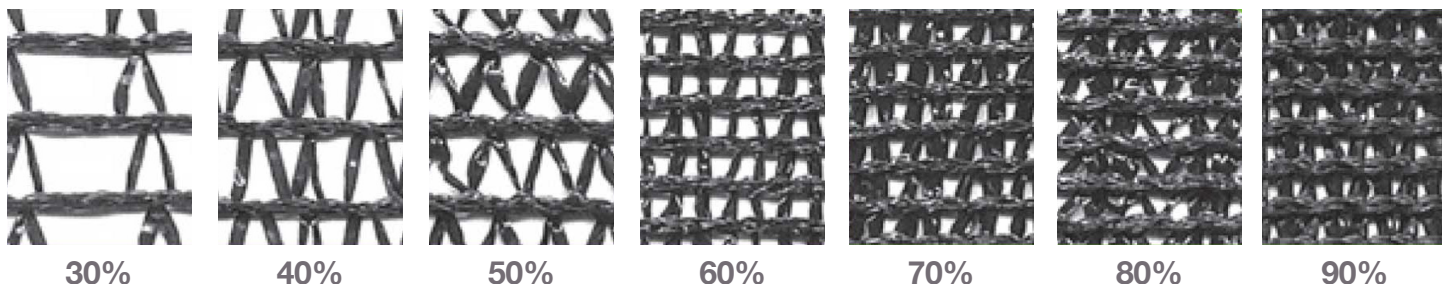
Green-Tek offers a full range of colors, cut to size, with tapes and grommets. Shade-Rite is the industry's choice in quality knitted shade cloth for greenhouses, nurseries and other growers. The lightweight material is made of UV resistant, high-density polyethylene that resists rips, tears and fraying. This lightweight cloth is 20-25% lighter than woven shade cloth with an open lockstitch design to reduce wind speed and heat buildup.



Applications:

- Greenhouse Shade
- Shade Structures
- Shade Sails
- Playgrounds and Baseball Diamonds
- Swimming Pool Shade
- Pergolas
- Garden Balconies
- Permanent and Mobile shade structures
- Truck Tarps, Car Parks, etc.

Black Knit Percentages Available



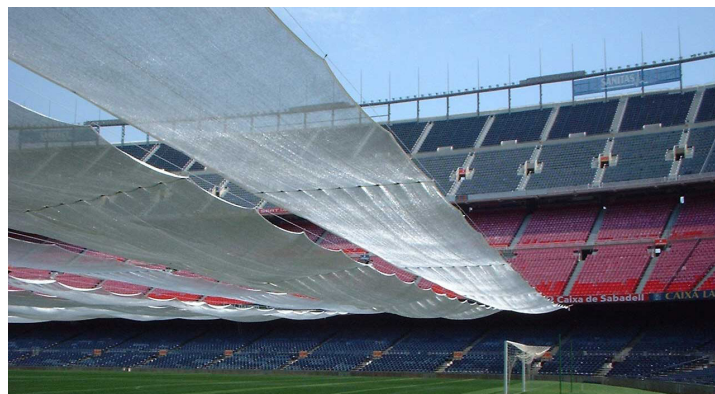
- Better ventilation and water permeable (open lockstitch design reduces wind speed and heat buildup in structure.)
- Lightweight and easy to install (20-25% lighter than woven shade cloth with dramatically more strength. Can be cut on site and will not unravel.)
- UV protection (UV resistant, high density polyethylene.)
- Wide widths (Available up to 34 feet depending on color/density.)
- Chemical resistant (Resists most horticultural chemicals, sprays and detergents.)
- Reduce soil moisture loss (Less evaporation.)
- Tough lockstitch knitted construction (Resists rips, tears and fraying. Shade levels remain constant during product life.)
- Cost effective (No edge taping and minimal sewing required thanks to knitted lockstitch.)

Colors Available:

- Black
- Aluminet (aluminized)
- Forest Green
- Merlot
- Miller Blue
- Red
- Decorative Brown
- Smoke Blue
- Violet
- White

Stock Sizes:

- 12x100
- Black: 30%, 50%, 70%, 80%
- 12x100
- Green: 70%





Green-Tek Optinet 50

Dual Thrip Control Optimizing Airflow While Blocking Pests and Thrips

OptiNet is a sophisticated new-generation anti-insect net that integrates physical and optical protection.

This innovative net dramatically reduces the number of pests entering the crop environment, especially thrips and also whitefly and leafminer. The net contains optical additives (non-toxic) that blind and repel the insects before they reach the net. Four-year trials conducted at the Besor experimental station in conjunction with the Volcani Institute of the Agricultural Research Organization demonstrated that the thrips population under 40- and 50-mesh OptiNet is eight times lower than under the standard 50-mesh nets. UV Protection for 5 Years.

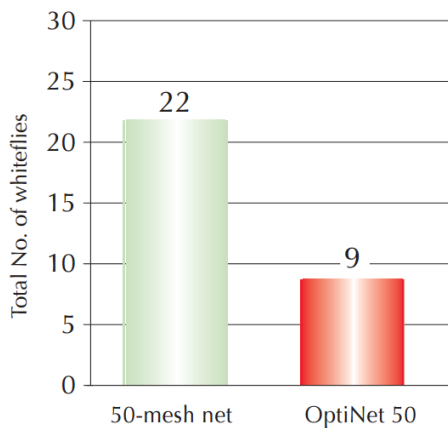
This is the only net that provides a solution for the problem of thrips while maintaining an adequate air flow. The optical properties of the net are not reduced over the years and are maintained throughout the nets' life cycle.

OptiNet is a patent-protected product.

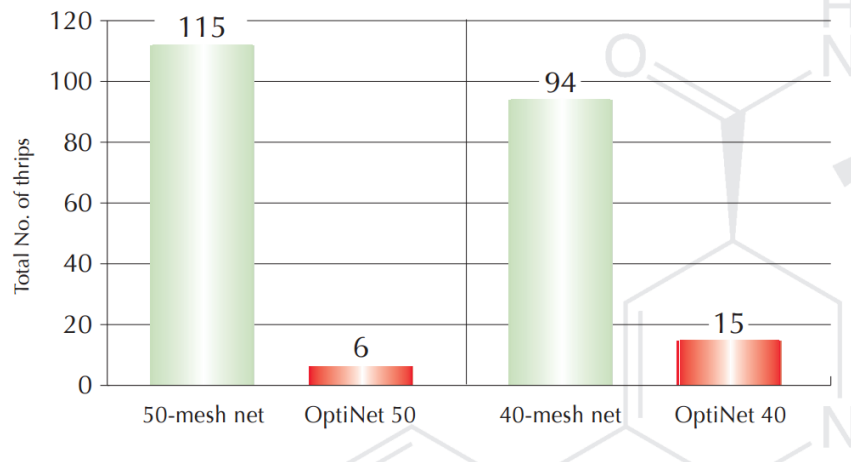
| Product | Hole Size | Optical Protection |
|------------|----------------|--------------------|
| OptiNet 50 | 0.78 x 0.25 mm | YES |



Number of Whiteflies on Tomato Crops



Number of Thrips on Tomato Crops





Green-Tek Anti-Insect Nets

Why use anti-insect nets?

There is a growing awareness of the severe damage caused by toxic pesticides to the environment and public health. Consumers are no longer prepared to put pesticide treated agricultural produce on their tables. This trend of reduced use of toxic materials will grow together with the legislation of new environment protection laws. Pests cause immense damage to the yield by feeding on or sucking the plant, depositing specks on the crop, and spreading disease. Insects also develop resistance to chemical pesticides, resulting in a significant reduction in the efficiency of these materials.

How do the nets work?

There is a growing use of anti-insect nets as an important IPM (Integrated Pest Management) tool. These nets block the entry of pests into the crop environment, thus reducing the need to apply pesticides. The nets are commonly used to protect vegetable, herbs, orchard and flower crops and are used for protection in the following structures:

- Nethouses Lightweight frames with poles and cables that support the net.
- Greenhouses Air vents are covered with nets, or all the greenhouse walls are made of nets.
- Walk-in tunnels Completely covered with net, or covered with net and PE sheets.

In today's competitive market there is a growing awareness of the severe damage caused to agricultural produce by pests. As a result, production in protected structures is becoming increasingly important. Green-Tek / Polysack has designed and produced a range of protective nets to block the entry of pests into the crop environment and to significantly reduce the use of pesticides.

- Our highly qualified engineers, researchers and agronomists ensure cost-effective solutions to the most challenging climatic conditions.
- Product support and on-site training are provided by our professional field teams.
- Courses and seminars are held in various languages for growers, consultants and agents from all over the world.
- Polysack's new technologies are implemented by skilled professionals and are supported by stringent quality-control and engineering systems.
- The company's quality assurance policy focuses on the supply of quality products to its customers - for long-term use under harsh and diverse field conditions.
- All the company's activities are conducted under ISO 9001 and IQNet standards.
- All Green-Tek / Polysack products are environmentally friendly.

Anti-insect nets block the penetration of insects and are differentiated by hole size (mesh = number of holes per inch). The type of net (mesh size) is selected according to the insect that is prevalent in the area. Call American Clay for custom sizing. All are UV Protected for 5 Years.

17-mesh net For protection against fruit flies (Mediterranean fruit fly and fig fruit fly), grape moth and Pomegranate fruit butterfly in orchards and vineyards. This net is also used for protection against climatic elements such as hail, wind and excess solar radiation.

25-mesh net For protection against Mediterranean fruit fly in pepper.

40-mesh net For partial blocking of whiteflies where climatic conditions do not allow the use of 50 mesh nets.

50-mesh net For blocking whiteflies, aphids and leafminer. (Also available in the color grey.)

75-mesh net For blocking whiteflies, aphids and thrips in greenhouses with forced-air systems.

Optinet 50 For integration of physical and optical protection against pests and thrips



| Product | Hole Size |
|-------------|----------------|
| 17-mesh net | 1.20 x 1.20 mm |
| 25-mesh net | 0.72 x 0.97 mm |
| 40-mesh net | 0.79 x 0.40 mm |
| 50-mesh net | 0.78 x 0.25 mm |
| 75-mesh net | 0.18 x 0.25 mm |
| Optinet 50 | 0.78 x 0.25 mm |



Green-Tek Shark Bite

The Ultimate Gripper-Fastener for almost any netting, fabric, or film!

Thanks to its remarkable set of "SHARK TEETH", the Shark Bite™ will grab onto almost any fabric, netting, film or substrate, and NOT LET GO. Made of tough, UV resistant nylon, the Shark Bite™ is easy to use and will provide years of service in all types of weather! Shark Bites™ work great as a replacement for any fabric fastener, especially grommets, Velcro, snaps and ground staples. Instant repairs are easy with the Shark Bite™. Torn and missing grommets are no match. Keep a supply of Shark Bites™ on hand for your next emergency repair!



Instant Curtains



Double Hook for Net



Pin Connector for Net



Nylon Grommet

Connects the net to rope, cable hooks or bungs.

Excellent quality and strength for years of use! Compare to cheaper versions made of softer cheaper plastics.

- Recommended distance between connectors: 1' – 1.5'.
- UV resistant.
- Multi-season



Patch Tape (with liner)

Poly Patching Tape is a single coated, 6 mil, UV stabilized, clear, polyethylene film with a high tack acrylic adhesive. Heavy-duty tape designed for interior and exterior bonding applications and is great for repairing minor tears in polyethylene greenhouse film.

Sizes available:

- 2" X 48' (6 mil)
- 4" X 48' (6 mil)
- 6" X 48' (6 mil)
- 10" X 48' (6 mil)



Batten Tape

- 2.75" wide Polypropylene tape in black or white color.
- Used to lash down Poly Film on the greenhouse

Sizes available:
2.75" X 300'



Tac Strip

- Flexible and easy to use vinyl strips 3/4 in. wide and 1/32 in. thick.
- Great for holding down tarps over construction projects.

Sizes available:
0.75" x 500'





In 1986, Total Energy Group founders Peter Stuyt and Bert Neeft settled in Carpinteria CA, a thriving community of greenhouse flower growers. Bringing Dutch greenhouse technology and expertise to the area, they started installing light deprivation and shade systems for growers looking to automate and save energy. Working with growers, greenhouse manufacturers and distributors, has driven flexibility and innovation.

Light Deprivation Systems



Complete black out provided by Total Energy Group's fully automated Light Deprivation Systems.

You can expect our light deprivation systems to make your crop flower reliably, securing the steady production flow modern greenhouse operations want. Our systems can be engineered to fit a wide range of greenhouse types and styles.

Shade Systems



Sun protection and energy savings provided by Total Energy Group's fully automated Shade Systems

During the day time our systems will protect your plants from receiving too much light and heat, creating a growing environment in which your crop will thrive. At night closing the system will save on nighttime heating costs by containing the heat underneath the shade cloth.



With a passion for quality textiles, the Svensson brand is built on a legacy that began in 1887. After four generations as a family run company, we continue to develop and manufacture textiles with outstanding design and function. Now more than ever, our unique experience and know-how is used to improve the natural habitat of both people and plants. This makes us who we are – and extremely proud.

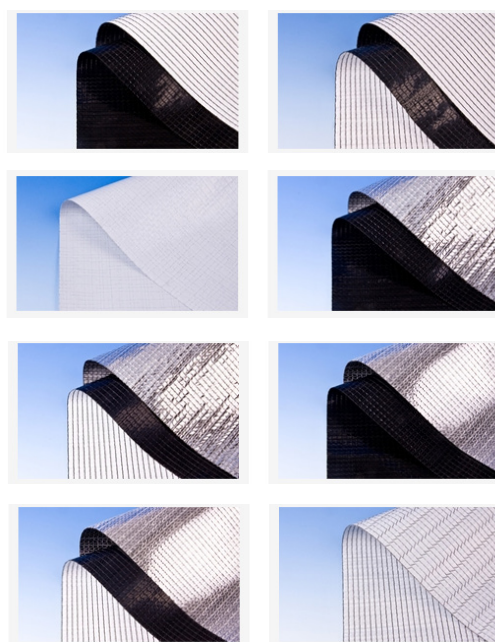
Obscura

Precious sleep for plants – or neighbours

Double layered Obscura screens provide the total blackout needed to manage plants that need a shorter day than daylight hours allow. Single layer Obscura is used with supplemental lighting for plants that need additional light. It keeps the light inside the greenhouse for maximum effect – and restricts the light from disturbing neighbours.

Reasons to choose Obscura:

- Total control over day length for the most sensitive plants
- Effective cooling when reflective upper surface chosen
- High energy saving especially if one layer is aluminum
- Light emission control that satisfies neighbours and legislation
- Increased productivity when used with supplemental lighting
- More uniformity from supplemental lighting in the growing area
- Good moisture management



Other Products

Tempa
Dual thermal control

Solaro
Ultimate solar protection

Luxous
Energy saving with maximum light transmission

Harmony
High grade light diffusion

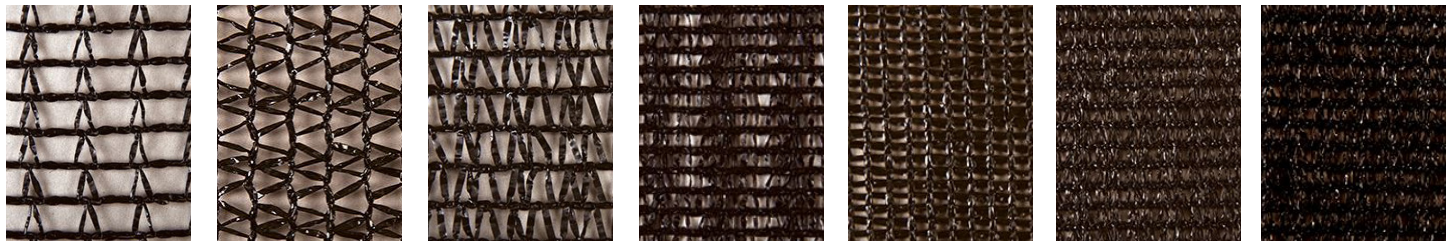


DeWitt operates out of a 350,000 square-foot facility which is centrally located in the heartland of America. By continually investing in state-of-the-art technology and equipment, DeWitt is able to consistently provide the highest quality products available in the lawn and garden industry. DeWitt products are used in more than 70% of the commercial landscaping done throughout the United States.

DeWitt Custom Knitted Shade (Knitted & Woven)

The professionals on DeWitt's sewing production team can customize panels to any percentage of shade. We use #4 brass grommets and 2 3/4 " reinforcement tape. The taped edges are double stitched for extra holding power. Please call for custom quotes and lead times.

Made from 100% UV stabilized polyethylene with unique lock stitch construction that stretches and won't unravel if cut.



30%

40%

50%

60%

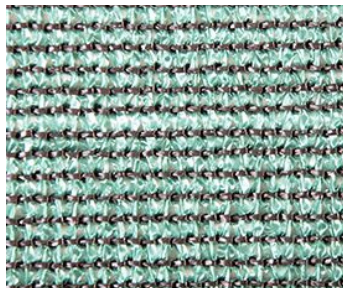
70%

80%

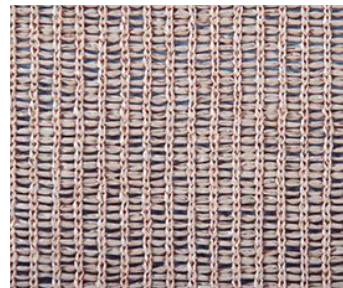
90%

Other Colors

Dark Green



Ultra Tan



White



Steel Gray





Carnea Plus 15x17 & 12.5x12.5

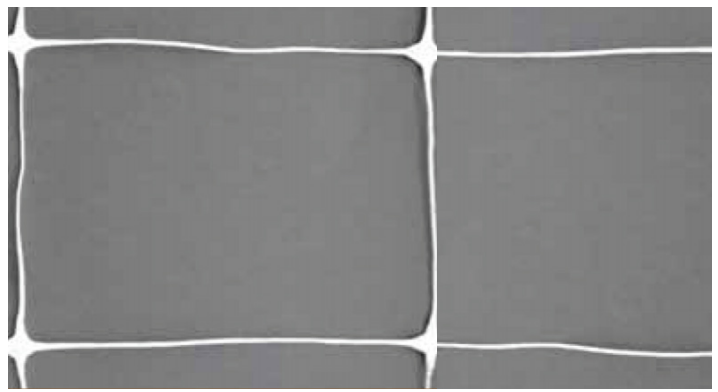
Support mesh, or trellis netting, helps you support your crops when they could bend or break. The Support Net Carnea Plus 1517 is specifically intended as a vertical application. It supports the plants that grow significantly in length and height. Application includes several vegetables, such as beans and peas. In addition, plants with soft fruit, such as raspberries and brambles, also benefit from the functioning of this netting. The rectangular meshes offer an optimal support.



| Product | Mesh Size |
|----------------------------|-----------|
| Carnea Plus 15 x 17 cm | 10 Mesh |
| Carnea Plus 15 x 17 cm | 12 Mesh |
| Carnea Plus 12.5 x 12.5 cm | 8 Mesh |
| Carnea Plus 12.5 x 12.5 cm | 10 Mesh |

Product characteristics:

- Vertical application with vegetable crops such as beans, peas, etc.
- Is not resistant to sulfur, chlorine, bromine and iron derivatives as well copper sulphates
- Tolerance in dimensions +/- 5%
- Can be used for several years
- Material: UV-stabilized Polypropylene, extruded
- Weight: approx. 9 gr / m²
- Color: White



Scrap Wrap

- ScrapWrap is a high quality tight mesh stretchable woven polyethylene netting that will reduce your costs by needing only one wrap to be effective.
- ScrapWrap has enhanced UV protection to guard against deterioration, a benefit to you when your wrapped car bundles are delayed for shipment or as you wait for scrap prices to go up.
- ScrapWrap is available in highly visible safety orange or load hiding black.
- Also a very inexpensive option for anyone looking for a seasonal shade product (1 year UV) at less than \$0.04 per square foot.

