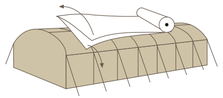
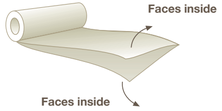
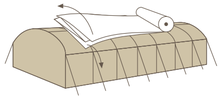
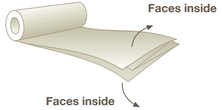
Center Fold, primarily for greenhouse curtains.
Final measurements:
2-8m. (6.5-26 ft.)



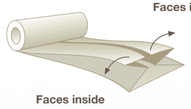


Single W fold, (mid-section), primarily for greenhouse coverage. Final measurments:
4-7m. (13 - 25 ft.)

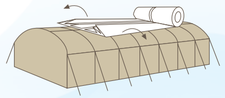


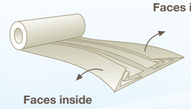


Double W fold, primarily for greenhouse coverage. Final measurments:
8-16m. (26 - 52 ft.)



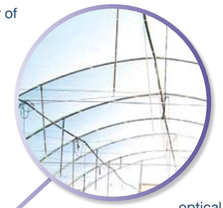
C fold, primarily for greenhouse coverage.
Final measurments:
8-16m. (26 - 52 ft.)





Ginegar Plastics Products Ltd.

is Israel's largest developer and producer of cover films for agricultural applications. Ginegar's agricultural cover films rank among the leading cover products for greenhouses, and for soil protection and disinfection. The unique mechanical,



optical and thermal characteristics of Ginegar's cover films ensure greater durability, excellent resistance to hostile weather conditions, controlled light penetration, better dust resistance and reduced pest activity. The expert agronomists of Ginegar's Research Department can provide support and solutions for all types of crops, in any climate conditions. Ginegar exports its products to 60 countries around the world.

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GINEGAR Plastic Products Ltd.
Kibbutz Ginegar 36580, Israel.
Tel: 972-4-6544222/220 • Fax: 972-4-6547947
E-mail: export@ginegar.co.il • Web site: www.ginegar.com

www.studio9.co.il

SUN SELECTOR

Covering the world with care

Sun Selector™ Greenhouse Covers

Leads you to better yields

Sun Selector™ films are highly advanced, long-lasting multi-layer photoselective films for use in greenhouse and tunnel covering applications.

Sun Selector™ films combine high-level agronomic research with over 40 years of professional plastics know-how to provide growers world-wide with films that are both technically unique and economically viable. Multi-layer technology with selected additives, provides the right combination of strength, versatility and light transmission.

Ginegar Plastic Products is the first agri-film producer to apply new five layer co-extrusion technology in the production of Sun Sun Selector™ greenhouse covers. This technology allows Ginegar Plastic Products to provide a full range of product features.

GINEGAR Plastic Products Ltd.

5 LAYER FILM

SUN SELECTOR

The wide and unique range of Sun Selector™ greenhouse covers provides optimized, cost effective selection of the right cover to suit your crop and climatic conditions.

The various types of cover films for greenhouses and tunnels,are divided to 5 main groups:

1. Suncover – Cover films protected from degradation caused by UV radiation.
2. Driplock – Cover films with UV protection plus Anti Drip.
3. Suntherm – Thermal cover films with UV protection.
4. Sunsaver – Thermal cover films with UV protection plus Anti Drip.
5. Overwinter – Cover films with UV protection for one season.

Each group can be further divided into subgroups according to the following:

- Level of diffusion/transparency
- Level of UV blocking – standard, blocking and transmitting covers

Major Sun Selector™ Features

Light Transmission

Crop plants, along with their major pests and diseases are seriously affected by the composition of light in the growing environment.
- **Sun Selector™** provides selective wavelength transmission to enhance crop performance and yield.
- **Sun Selector™** Anti-Virus improves pest and disease control for better quality crops.
- Sun Selector™ Nectarine can improve the color of flowers, fruit and foliage.

Light Diffusion

Sun Selector™ light diffusion characteristics greatly improve photosynthesis efficiency by improving light dispersion.
- Especially important for self-shading, tall and trellised plants.

Anti-Drip Effect

By increasing the surface tension of the film through AD additives, we have a significant reduction on the water droplets under the films, improving light transmission and preventing dripping over the crops.

Anti Mist

The anti mist additive minimizes the occurrence of fog inside the greenhouse, which is covered by anti drip films.

- The SUNSELECTOR film with Anti Mist additive helps to reduce leaf diseases such as PHYTOFTORA and BOTRYTIS.
- The SUNSELECTOR film with Anti Mist additive allows maximal transmittance of light radiation in the early morning hours.

Thermal Effect

- **Sun Selector™** I.R. films prevent heat radiation loss from the Greenhouse to the atmosphere.
- **Sun Selector™** I.R. films maintain higher foliage temperatures and drier plants.
- **Sun Selector™** I.R. films reduce the incidence of frost damage.
- Sun Selector™ I.R. films lead to saving in heating costs.

The Anti Pest – Anti Virus Effect

Additives, which enable polyethylene to block the Entry of U.V. radiation into the greenhouse, provide Special properties to the plastic greenhouse cover.

The **Sun Selector™** Anti-Virus films provide:
- A significant reduction in the damage caused by various insect pests.
- A significant reduction in the incidence of viral diseases, transmitted to the plants by insects.
- A significant reduction in the proliferation of foliage diseases, especially Botrytis.
- A significant reduction in the use of fungicides and pesticides.
- A significant reduction of the “blackening” of the petals of Red roses.

The Anti-Dust Effect

Reducing the accumulation of dust on the greenhouse Cover.
The advanced technology of 5-Layer extrusion, permits the inclusion of dust – reducing additive to the outside (top) layer of the film. The upper layer produced in this fashion is especially smooth reducing the accumulation of dust.

Guidelines for Handling Sun Selector™ Greenhouse cover Films.

General

- Store Sun Selector™ Greenhouse cover Films horizontally on a smooth surface, in a protected and shaded place.
- On installation, keep a sample piece 0.5m2 (2 sq.ft.) with its product identification tag.
- Avoid contact between Sun Selector™ films and non-polyethylene plastic parts and PVC adhesive tapes, that can cause accelerated degredation.
- Do not leave thermal films, in rolls or unrolled, exposed to direct sunlight as they may melt & fuse.

Preparing the Greenhouse Structure

1. Treat slats and wooden parts with a non oil-based fumigant.
2. Make sure the structure is sturdy, especially the supports and stretching devices, and replace damaged parts.
3. Avoid the use of PVC slats, replace them with aluminum.
4. Smooth the surface of metal and wooden parts that come into contact with the films and wrap polyethylene over all sharp or protruding parts.
5. Paint all metal or wooden parts that come into contact with the film using a recommended white acrylic-based paint.

Installing Sun Selector™ Cover Films

1. When installing multi-layer films, make sure that the film is facing the proper direction, as indicated in the instructions supplied with the film.
2. Proper installation helps keep the film intact and prevents tears.
   Recommended method: Place the roll on top of the gable and unroll it the length of the greenhouse. All other methods are not recommended!
3. The film should be installed during the early morning hours (cool temperature, no wind).
4. Stretch the film evenly over its entire length. Re-stretch the film after it heats up.
5. Install the roof and curtains in the same work session.

After Installing

Important! Use white acrylic-based paint to paint 20 cm (8”) wide stripes **on the film** wherever it comes into contact with the structure, along the arcs, ribs, supports, slats, etc.

Ongoing Maintenance

1. Promptly repair any holes or tears using an adhesive tape designed for use with polyethylene films.
2. Tighten films as necessary, between seasons and especially following strong winds.
3. Shade nets that come into contact with the film can cause damage. Stretch nets between high posts above the roofs.

Using Pesticides

Chemical sprays, especially those containing sulfur or halogens, can damage films and lead to premature breakdown. When applying these chemicals avoid contact with the film.

The warranty on our products is valid only when the above instructions are observed.

Fitting Sun Selector™ Cover Films to Greenhouses and Tunnels

Use the following guidelines when fitting a film to a specific structure:

1. For greenhouses with spans of up to 8 meters (24’) – use a film with width of the span + 1 meter (3’).
2. For 8 meter (26’) and wider spans – use a film with width of the span + 1.5 meter (5’).
3. For tunnels – use a film with an additional width of 1.5 meters (5’) for fitting into trenches.
4. The length of the film should be at least 5 (16’) meters longer than the greenhouse/tunnel.
5. For curtains – calculate curtain width leaving an additional 50–70 cm (20”–28”) for attachment. Film length should run the full length of the greenhouse.