

WHEN EXCELLENCE  
MATTERS

**rkw**

## Excellent results with advanced greenhouse films

KLERKS® GREENHOUSE AND  
OVERWINTERING FILMS

**EASY  
TO ORDER  
AND FAST  
DELIVERY**





# Profit from the broad portfolio of North America's technology leader in greenhouse films

## K50 Clear



- Multi-layer extrusion with strong EVA copolymer resin for excellent outdoor durability
- 92% PAR light transmission per layer of film
- Anti-dust additive that resists dirt and dust buildup
- Ultraviolet light stabilized for long life outdoor exposure

## K50 White 55% Opacity

- Made with the same K50 Clear EVA copolymer resin and UV light stabilizers
- Reduced light transmission and heat build up for use in retail sales sites, and greenhouse holding areas



**K50 IR-AC**

- Night time IR additives absorb and re-radiate night time infrared heat back down to the crop saving up to 15% on night time heating costs
- Multi-directional anti-condensate control means you never have to guess if the drip control side is facing the crop. Grower proven longest lasting anti -condensate control reduces water droplet formation and sheets condensed water down to the gutters
- High light diffusion (52% of transmitted light per layer) means uniform plant growth and crop dry down times
- PAR light transmission of 88% through a single layer of K50 IR-AC
- Multi-layer extrusion with strong EVA copolymer resin for excellent durability
- Ultraviolet light stabilized for long life outdoor exposure

- [Infrared Heat Retention](#)
- [Anti-Condensate Control](#)
- [High Light Diffusion Benefits](#)

**KoolLite Plus**

- New advanced technology allows higher light transmission (84% PAR) plus the same great daytime heat reduction that growers learned to depend on with KoolLite 380.
- Special IR additives absorb and re-radiate nighttime infrared heat back down to the crop saving up to 15% on nighttime heating costs
- Reduced water droplet formation – Grower proven longest lasting 2 sided anti-condensate control in the industry
- High light diffusion (53% of transmitted light per layer) means uniform plant growth and faster crop dry down times
- Reduces the need for greenhouse shading while providing improved PAR light transmission
- Ultraviolet light stabilized for long life outdoor exposure

**K4 IR-AC**

- 4 year, 4 mil greenhouse film available in 14.4' & 15.4' layflat tubing for Dutch style Venlo greenhouse structures
- Special IR additives absorb and re-radiate night time infrared heat back to the crop during evening hours saving night time heating costs
- Reduced water droplet formation – longest lasting anti-condensate control in the industry
- Ultraviolet light stabilized for long life outdoor exposure



# Klerks Speciality Film Features Make a Difference

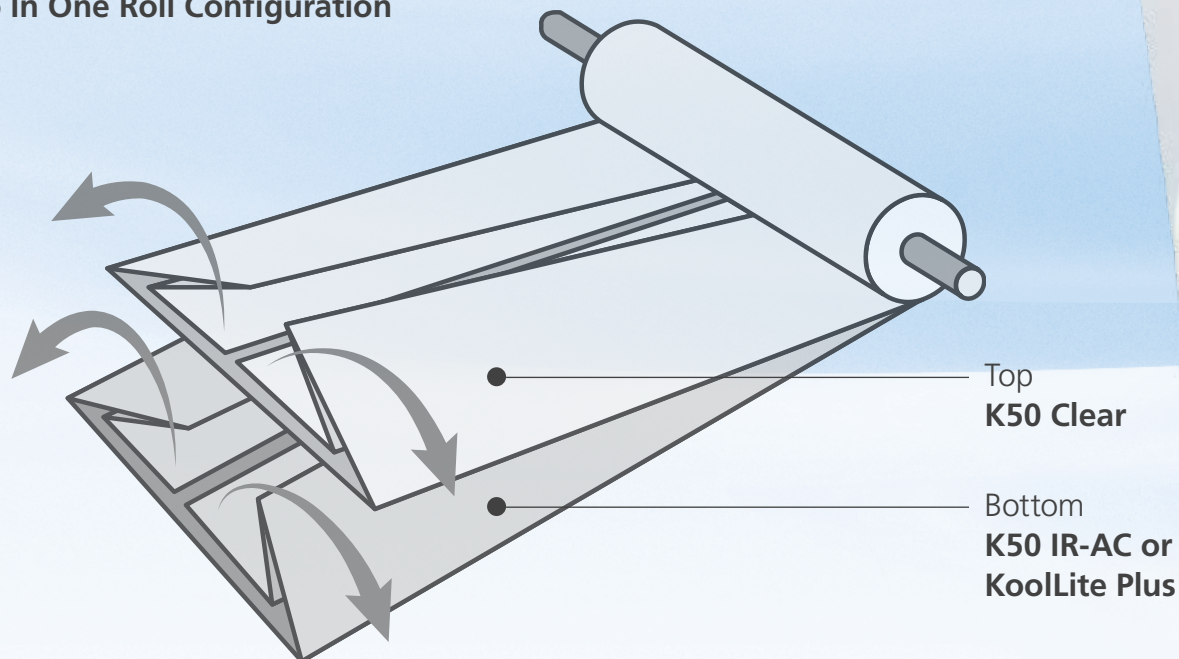
## Overwinter Clear & White Opacity Films

- One season UV stabilized films are available as clear or white in 3, 4, 5, & 6 mil thicknesses
- White films are produced in 35%, 55%, & 70% opacities
- Multi-layer extrusion of tough copolymer resins provide needed protection to withstand harsh winter environments

## Klerks Two In One

Klerks is the only greenhouse film manufacturer to offer Two in One rolls that contain 2 separate sheets rolled together in one roll, reducing labor needed when installing double layer film. Two In One rolls are available in 20' & 24' width sheets enabling growers to install K50 Clear as the top layer and either K50 IR-AC or KoolLite Plus as the bottom layer in half the time. Two In Ones allow installers to pull the bottom layer a little tighter than the top sheet as they secure the film in the poly lock (almost impossible to achieve using a tube). This helps remove belly ripples running down the length of the film and improves the flow of the anti-condensate feature in drip control films.

### Two In One Roll Configuration



**KLERKS®**

### Anti-Condensate

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Film surface water droplets reduce light transmission by as much as 10% during daylight hours. Water dripping on crops increases foliar & root diseases, along with washing out small celled plants. Klerks state-of-the-art drip control additive outlasts other film competitors because we put more drip control additive throughout our films, meaning you never have to worry about “what side is up”. This all adds up to long lasting, consistent time release of our drip control additive over the life of the film.

### Thermal

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Are your heating bills going through the roof? Save money by holding in night time radiant heat with our infrared films. Heating is the number one expense most growers have after labor. The use of one layer of IR film in double layer air inflated installation can lower night time heating cost by up to 15% and keep more dollars in your pocket

### Diffusion

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Klerks high light diffusion films break the direct light angle by scattering light particles throughout the greenhouse. Crops receive more even light exposure with less heat load on the plant’s canopy, resulting in faster uniform growth. Traditional clear films have a high percentage of direct light which creates shadows. High light diffusion over the entire growing area.



# Tips For Using Klerks Greenhouse Films

- 1 Chlorine, Sulphur, and other chemicals shorten the life of greenhouse films by deactivating the film's ultraviolet inhibitors. Sulphur burners, used for disease prevention, are the most common source of elemental Sulphur buildup on film surfaces.
- 2 Inflating double layer greenhouse installations with cooler, drier outside air reduces moisture accumulation between film layers, and also prevents harmful greenhouse chemicals from coming in contact with inside film layers.
- 3 Growers can reduce heat buildup on greenhouse frame members coming in contact with film by applying white latex paint or using foam tape. Painting frame members along with polylock channels will reduce surface friction and reflect excessive heat that accelerates film degradation.
- 4 PVC pipe is not compatible with UV stabilized greenhouse film and voids the greenhouse film warranty.
- 5 Using air deflectors attached to air inflation fans will prolong film life.
- 6 A good rule of thumb for air inflation levels in double layer installations is to have 8-14" of air space between the layers. The only way to really know if you have the correct air pressure is to use a manometer, available from your local distributor. Air pressure between the two layers should be 2" for hot days to .45" on cold windy days.

**If you have further questions, don't hesitate to contact our experts at [chester@rkw-group.com](mailto:chester@rkw-group.com)**







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RKW Klerks is part of the globally active RKW Group, a leading producer of films and nonwovens for a variety of applications and industries, since 2016.

Based in Chester, SC RKW Klerks is the largest greenhouse film rewinding facility in the United States.

Our product portfolio includes millions of pounds of high-quality greenhouse finished stock rolls including long-life and overwintering greenhouse films.

RKW Klerks is the only greenhouse film manufacturer in the United States to offer Two-In-One rolls. Each Two-In-One roll is comprised of two separate sheets rolled together into one roll, reducing labor needed in installing double layer film.

### **RKW Klerks Inc.**

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