

WHEN EXCELLENCE
MATTERS

rkw

Excellent results with advanced greenhouse films

RKW HYPLAST GREENHOUSE FILMS

**GOOD LIGHT
MANAGEMENT
AND UV
STABILIZATION**



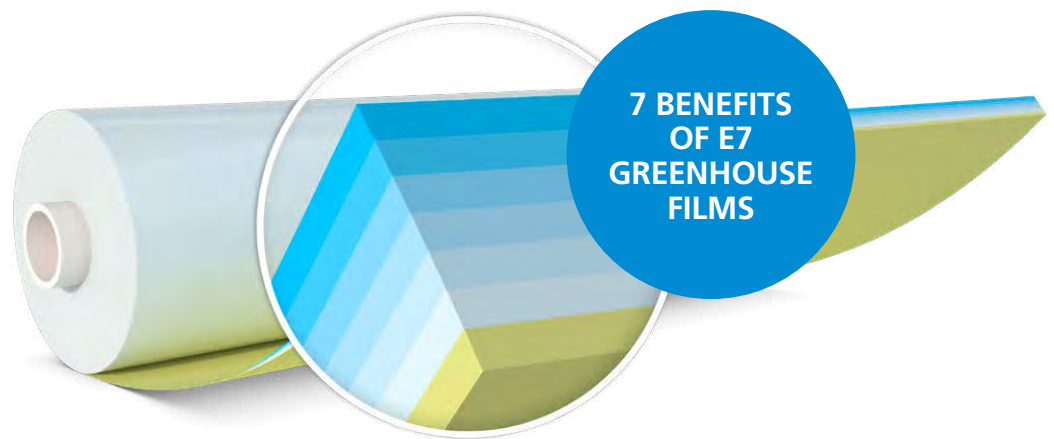
Advanced greenhouse films
customized to your needs

e7 – for next generation greenhouse films

Vegetables and plants need intense care, but also a tailored environment for optimal growth. RKW Hyplast greenhouse films are produced using the latest 7-layer technologies. The e7 technology makes it possible to control the raw material consumption and to design each individual layer optimally.

The powerful greenhouse films offer you the perfect solution for maximum yield all year round. Benefit from our many years of experience, expert advice and leading technology.

Meet future challenges today with RKW's leading e7 greenhouse films. The advanced 7-layer design is customized to the high demands of modern greenhouses.



- 1 Higher tear resistance
- 2 Increased puncture resistance
- 3 Improved light management
- 4 Long-life UV stabilization
- 5 Better temperature control
- 6 Improved anti-drip feature
- 7 Optimized thicknesses

Profit from higher mechanical film properties and optimum light management, the two key drivers for yield and quality performance.



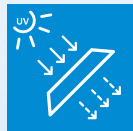
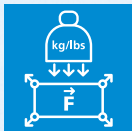
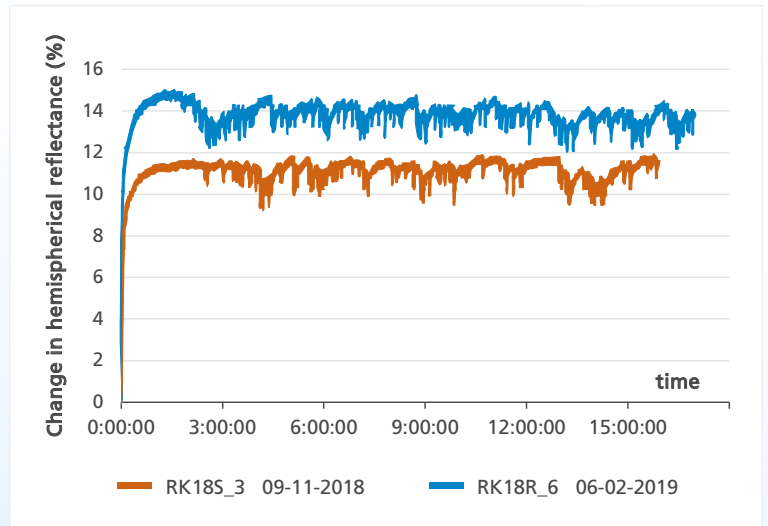
High-performance films for highest demands

The RKW Hyplast greenhouse films are reliable under tough conditions. They protect vegetables from the effects of frost, wind and rain, ensure consistent higher quality and help you to control the harvest time of your crop, potentially even allowing several crops to be harvested in one year.



A greenhouse film which offers great advantages for strong demands and tough conditions in the horticulture sector

- 200 µm high-end film with excellent mechanical properties
- High pesticide resistance (7000 ppm sulfur + 250 ppm chlorine + 50 ppm iron)
- Transparent diffused film for a positive effect on your plants (medium diffusion: 40%)
- Film with high thermal efficiency which limits the heat loss
- Outstanding mechanical resistance compared to alternative greenhouse films
- Good UV opening features and favorable to pollinators
- Anti-dust effect for higher light transmission and easier cleaning of the film
- Less light reflection



Patented greenhouse film with pearlescent pigments which reflects solar heat – perfect for regions with hot climate conditions

- Diffused greenhouse film which scatters the light
- Selective reflection of solar heat (NIR) near-infrared light
- Cooling effect means less stress for the plants
- Thermic effect with EVA copolymers limits the drop in temperature of the greenhouse during the night
- Incoming light rays are broken on the microscopic pigment particles and diffuse over the entire greenhouse
- Plant leaves and any flowers are protected from excess irradiation and burning
- High mechanical film strength
- UV blocking / UV regular / UV open are available on request





Leading quality for specific requirements

The RKW Hyplast greenhouse films are tailored specifically to the unique light and temperature requirements of many field-grown fruits and vegetables. With excellent light transmission properties they create the perfect greenhouse environment and – at the same time – save heating and energy costs.

WIDTH
up to 20 m
THICKNESS
80 µm up to
300 µm



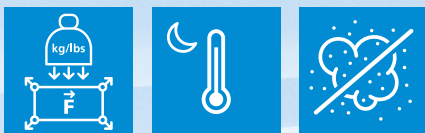
A greenhouse film with excellent thermic and anti-drip properties

- Anti-drip effect for more light and less humidity in the greenhouse
- Reflects more longwave infrared radiation and slows down the cooling of the greenhouse in the night, meaning excellent thermic features and less temperature stress for your plants in reference to cold and warm variations
- UV blocking / UV regular / UV open are available on request
- High mechanical film strength



A greenhouse film with excellent thermic properties

- High mechanical strength
- Reflects more longwave infrared radiation and slows down the cooling of the greenhouse in the night, meaning excellent thermic features and less temperature stress for your plants in reference to cold and warm variations
- UV blocking / UV regular / UV open are available on request





Efficient greenhouse films with proven quality

Greenhouse films from RKW Hyplast stand for robustness and solid quality. They have been in use worldwide for many years and continue to enjoy great popularity due to their reliable performance.

HYTIFITE®



The greenhouse film with advanced anti-dust features, developed especially for export markets

- UV blocking / UV regular / UV open are available on request
- Anti-dust effect and high light transmission
- Easy film cleaning due to smooth surface of the film



HYTCLEAR®



A reliable greenhouse solution developed for and very popular in the northern hemisphere

- Optimal light transmission for good yield per square meter
- UV blocking / UV regular / UV open are available on request
- Good mechanical properties

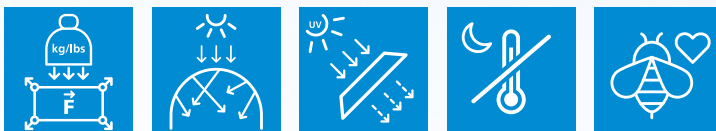


HYTTUNNEL®



The greenhouse film with a high content of regenerated raw materials

- Widely used in the soft fruit industry
- Good mechanical properties
- Diffuse light transmission for a positive effect on crop growth
- Insect pollination friendly



Most important features at a glance



UV blocking

Depending on the crop, climate and region, ultraviolet radiation can be harmful or beneficial to the crop. RKW can engineer the UV transmission of the film to the specific requirements of the customer.



UV regular

UV blocking films can be a part of your IPM program, to help prevent fungal diseases transmitted by insects (anti-virus). They should not be used if insect pollination is required.



UV open



Clear transmission

High total light transmission with a high direct transmission and a low diffused light transmission.



Crystal clear transmission

High total light transmission with maximum direct light transmission and an absolute minimum diffused light transmission. This makes it perfect to use when the light intensity is low and as an outside film in a double-deck house.


















Diffused films

Diffused films provide an even spread of light, reduce crop stress and avoid plant burn.



Customizable to your specific requirements

		Hytitunnel	Hytifite	Hyticlear	Hythermic	Hytibox	Kool Lite Plus	Grafeno
 Mechanical strength		++	+++	++++	+++++	+++++	+++++	+++++
 Cooling effect		No	No	No	No	No	Yes	No
 Anti-mist		No	No	No	No	Optional	Optional	Optional
 Anti-drip		No	No	No	No	Yes	Optional	Optional
 Crystal clear		No	No	Optional	Optional	No	No	Optional
 Clear		No	Optional	Optional	Optional	Optional	No	Optional
 Diffuse		Yes	Optional	Optional	Optional	Optional	Yes	Optional
 Thermic		No	No	No	Yes	Yes	Yes	Yes
 UV regular		Yes	Optional	Optional	Optional	Optional	Optional	Yes
 UV open		No	Optional	Optional	Optional	Optional	Optional	No
 UV block, anti-virus, anti-blackening		Optional	Optional	Optional	Optional	Optional	Optional	No
 Anti-dust		No	Yes	Yes	Yes	Optional	Optional	Yes
 High resistance to pesticides		Optional	Optional	Optional	Optional	Optional	Optional	Yes
 Ni-quencher stabilizer		Optional	Optional	Optional	Optional	Optional	No	No
 Bee-friendly		Yes	Optional	Optional	Optional	Optional	Optional	Yes

Excellent results with advanced greenhouse films

RKW GREENHOUSE FILMS

The RKW Group is an independent private company headquartered in Mannheim, Germany, and is one of the world's leading manufacturers of excellent film solutions. RKW is the market leader in the areas of hygiene and agricultural films, films for the beverage industry and packaging for powdery goods. Moreover, the company also supplies films and nonwovens for medical applications, for the chemical and processing industries as well as for the construction sector. The RKW Group's sustainable plastic-based films enable its customers to improve the daily lives of consumers worldwide.

RKW employs approximately 3,000 people at 19 locations worldwide. In line with the company's slogan "When excellence matters", the company, founded in 1957, focuses on excellence in quality and service. Respect and reliability are RKW's core values and form the basis of the company's success.

RKW Agriculture product range

- Round bale and pallet nets
- Round bale films
- Silage films and bags
- Early harvesting films & nonwovens
- Greenhouse films
- Cover films

RKW Hyplast NV

Sint-Lenaartseweg 26 | Kluis Z1 1340 | 2320 Hoogstraten | Belgium
T +32 (0) 33 40-25 50 | agriculture@rkw-group.com

