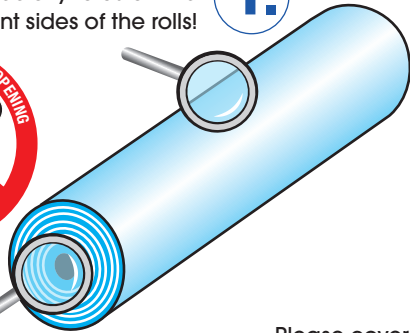


Installation guideline and care instruction

1. Check film closely while receiving the shipment on visible damages especially folds on the front sides of the rolls!



1.

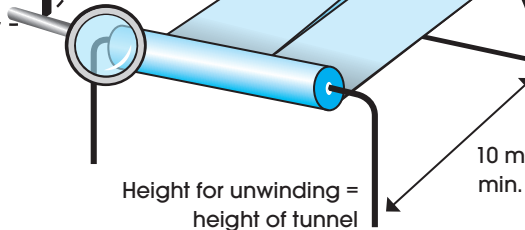


check edges and sides!

Please cover sharp edges or outstanding parts of the construction with foam tape!



Avoid sharp edges or parts on the equipment used for installation!



10 m min.

min.

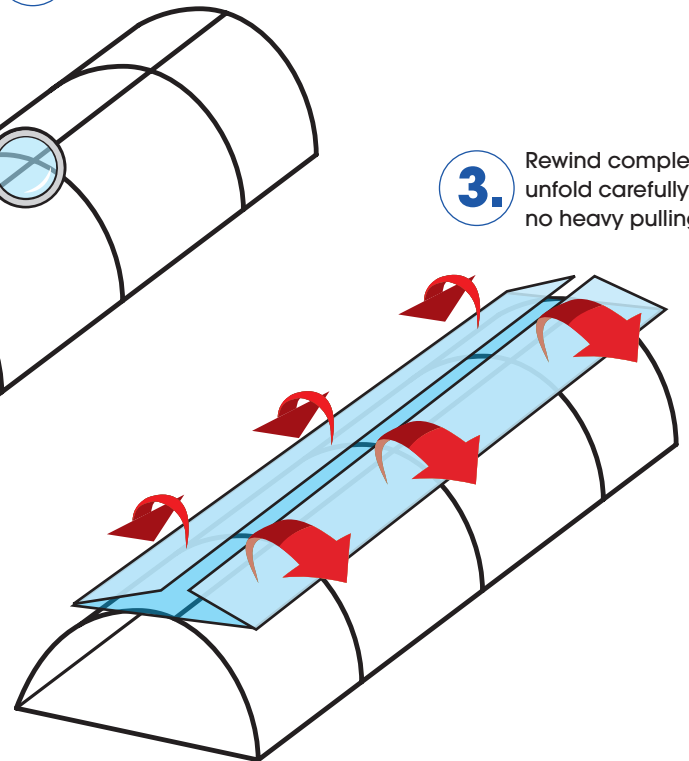
min.

min.

min.

2. Plan and prepare installation thoroughly and handle film carefully!

2.



3. Rewind completely, unfold carefully, no heavy pulling!

3.



Avoid frost, snow or heavy wind



Be careful winding film for ventilation



Check rope tension regularly



No use of chemicals



Check ropes and belts for damages regularly



When storm warning retighten ropes/belts

We kindly do like to put your attention to the back of this page and to study the details carefully. As always we are available for any questions you have or information needed.

Please note that the granted warranty might be revoked if greenhouse film is being misused or installation guidelines have not been followed or worked against.



Hints for installation and care taking of greenhouse film

a. Guidelines for receiving greenhouse film and issues with shipments:

All rolls are well packed and thoroughly prepared for shipping, with special focus to the front sides which are secured with extra protection. Although we do recommend inspecting received goods in detail to avoid any hidden or disputable claims.

1. First check shipment to be complete and for any missing items or obvious damages especially folds on the front sides of the roll.
2. In case of any visible damages or any doubts please mark shipping documents clearly while forwarder is still present. This is very important to secure your rights and avoid discussions later on.
3. Take pictures of visible damages or doubtful marks whenever possible.
4. Contact or any of its representatives immediately in such cases and have invoice no, delivery note or shipping docs on hand. This way we can work to resolve potential issues quickly.

b. Installing film on greenhouses or tunnels:

1. Before installing any greenhouse film please check construction carefully for any sharp edges or outstanding construction parts and cover such with adequate material (we do recommend foam tape!)
2. Avoid extreme weather conditions when installing (e.g. heavy wind or rain, snow, frost). A perfect outside temperature is between 10 and 20 ° Celsius
3. Check all equipment used for installation, e.g. unwinding machine for any sharp edges and tape those if necessary with foam tape.
4. Please keep a distance with unwinding equipment of > 10 m from first tunnel arches and try to unwind in same height as ridge of tunnel (see sketch page 1). To avoid damages caused by heavy tension you should unwind film first on a distance of app. 10 m prior unfolding. Heavy tension can cause cuts in the fold and claims caused by this will be rejected. c. general instructions:

c. General instructions:

1. Please pay attention when using material to fix/tension the film e.g. rope, belt or metal clips. Your warranty will be revoked, if film does get damaged caused by non adequate items (e.g. nails, screws, wooden parts).
2. We do recommend checking tension of rope or belt on a regular base on greenhouse tunnels. Please adjust if necessary. Wrong tension can cause damages through flapping (too low tension) or crack (tension too high). Greenhouse film is temperature sensitive therefore pay special attention during/after change of seasons.
3. You should store greenhouse film cool, dry and in darkness.
4. If you lift film on tunnel sides for ventilation manually please check wind film towards "inside" the tunnel (reduction of water deposits) and check tension of ropes or belt to avoid scratching or high pressure.
5. Using double film for greenhouse: please start air blower on lower pressure, increasing slowly to give film time to stretch. We always recommend using air blower with pressure control.
6. Areas, where the film touches parts of the construction (i.e. steel tubes, ridge pole), should be covered with protection film.
7. After heavy rain or snowfall check film for water or snow deposits, if necessary remove water or snow deposits carefully.
8. Use of chemicals i.e. like sulfur and chlorine is reducing lifetime of film. Any use can be traced afterwards and will lead in revoking warranty of film.

When calculating your needs in greenhouse film please be aware there is a certain coefficient of linear expansion due to temperatures, means in very low temperatures there might be a few linear meters less, in very high temperatures a few linear meters more than at the moment of rewinding on the rolls. Therefore we recommend to order a few linear meters in addition to be on the safe side.

ATTENTION: in strong wind / extreme weather conditions (if the film is insufficient fixed) your greenhouse tunnels may fly away. This could create extremely dangerous situations, for instance closed by high voltage power lines.

WARRANTY

Warranty on the durability of UV stable films

3. Scope of warranty

a) Material or production defects

The warrants that no damage will occur to the films during the term of the warranty due to material or production defects. Damage to the film is defined as a reduction of the film's mechanical technical values of less than 50% of the initial value. The initial values are stated in the data sheets for the respective film type.

b) UV damage

Claims submitted within the warranty term for other damage (tears, white fractures etc.) to the material will only be accepted if it is proven that the damage was caused by UV exposure. Premature UV damage occurs when the material loses more than 50% of the guaranteed mechanical values within the warranty term, i.e. the film tears in various places, whereby the edge of the tear is fragile and brittle.

c) Warranty exclusion

Warranty exclusion applies to material damage caused by external influences, particularly:

Hail, storm or other incidents of force majeure

Animals, plant contact, deposits

- Incorrect unfolding or installation of the film (particularly installation on supporting structures, e.g. structures with residual burrs or attachment to wooden structures)

Scratches and tears due to uneven and sharp edged structural parts

Use of unsuitable mounting materials such as nails or unsuitable retaining ropes

Damage caused by overstretching, tears, scratching as a result of the incorrect covering of the supporting structure with the film or handling of the film. (Please refer to the separate installation and care instructions which are supplied with every roll of film).

d) Warranty exclusion in case of use of chemical agents

Unless otherwise stated, the greenhouse films have a S/CL resistance of 500 ppm and 100 ppm respectively.

The warranty will expire in the following cases:

Influence on the film by chemical compounds such as: pesticides, herbicides, insecticides etc. containing the following chemical elements:

S, CU, AS, HG, TI, F, BR, I

Paints which are not acrylic or vinyl based

Heat damage on unprotected contact points on the greenhouse structure

e) Further exclusions

When a new film is installed on a greenhouse there may be an initial reduction in pollination and a change in the effectiveness of wavelength dependent mechanisms. These are system related phenomena and not caused by a production defect in the film. Therefore, the film manufacturer cannot assume any liability for it.

Postadress:

TRÄDGÅRDSTEKNIK AB
Helsingborgsvägen 578, Varalöv
262 96 ÄNGELHOLM

Telefon : 0431-222 90
Bg.nr : 5743-7980
Org.nr : 556409-6120

URL:

www.tradgardsteknik.se
E-postadress:
info@tradgardsteknik.se