

READ THIS FIRST!!!!



Installation Instructions For Your GreenJacket®

① When should the GreenJacket® covers be installed? Best case scenario would be for turf to be completely dormant and frozen before covering! Plan to cover **before** the first snow fall of the season, so hold off as long as possible to allow the turf to harden off and go dormant. We know that this may not be possible. If there is any question of dormancy, you should **vent under the cover** to exchange and replenish the air supply. This may be required weekly (5 to 10 min.) until the temperature has fallen low enough to be sure dormancy has occurred. The fresh air supply will bring in cold air assisting this process and also exchange or flush out any anoxic gases with new oxygen. You will see the cover rise up giving you a positive indication that air is circulating under the cover. If Foam or AFS Insulation is also being used on your green, this will help maintain the cooler temps achieved by blowing air under the cover.

Do not cover over snow. Snow must be removed to prevent trapping in excessive moisture before covering. Soil moisture should be at a normal state. If moisture is in excess and pools around your shoe when walking across the green surface, this would be excessive and should be allowed to drain down through the soil profile away from the crown of the plant before installing the cover.

② Do not allow water to drain or enter under the GreenJacket® cover. Some areas may need to have “dams” built so water is redirected around the cover. You can use our Water Dam Tubing (see Accessories) cut to any length, filled with sand and tied off to redirect water around the green. Another option is to trench the covers edge into the ground using a edger shovel or trencher. This will then

allow runoff water to flow up onto the top of the cover.

③ Trim the cover around bunkers. This will help to keep the cover down and secure in the event of high winds.

④ Reinforced Tabs have a pressure sensitive adhesive backing. Pressure **MUST** be applied to secure them properly. If temperatures are 41°F or colder, you may need to warm up the adhesive backing to have them stick and secure properly. This can be done by using a hot air gun or by keeping the tabs in the cab of your truck warm until needed. **Tabs are installed at a MAXIMUM 4 foot spacing** around the perimeter edge of the cover. If in a windy location, you can increase tabs to every 2 feet for greater hold down. Since the **GreenJacket®** comes new with the required amount based on every 4 feet, you will need to order the additional amount for the windy location.

⑤ Stretch GreenJacket® Cover out and secure with one Nail Stake and Washer per Reinforced Tab around the edge. Secure and stretch it **as tightly as possible**.

⑥ Vacuum Preventers are recommended in windy locations. Install the nail stakes at angles going away from each other when driving them through the Vacuum Preventer. This will reduce damage to the turf when removed in the spring. You may also choose to use only one Nail Stake through the Vacuum Preventer. Be sure to cover with Repair Tape to make a water-tight seal.

Sod Staples may be added to **secure the edges of the windward side of the cover**. Simply fold the material over about an inch and place the sod staple through the folded section or the two layers.

FAQs

When should GreenJacket® covers be installed?

Observe your weather patterns, and plan to cover **before** the first lasting snowfall of the season if possible. The longer turf hardens off naturally before installation, the better. Do not cover over snow. Snow must be removed before covering.

When should GreenJacket® covers be removed?

They may be left down until the threat of freezing no longer exists. The light regulating film prevents over-heating and over-stimulating during late winter and early spring temperature fluctuations.

Do I need GreenJacket® Insulating Foam or AFS on every green? We recommend GreenJacket®

Insulating Foam on greens with **poor drainage** or that **hold runoff water**, greens that typically **do not hold snow cover**, and greens **exposed to heavy prevailing winds** (little or no wind protection).

Are Vacuum Prevention Tabs needed on every green? We highly recommend installing the Reinforced Application Tabs together with the Vacuum Preventer tabs.

They will help prevent wind whip, which can damage the **GreenJacket®**. The **GreenJacket®** seams, which are every 6 feet across the width of the cover, will help locate the Vacuum Preventers on 18 foot centers throughout the field area of the cover.

Is Snow Removal Recommended? Once the soil is frozen and the turf hardened off, snow cover, as we all know, is a great insulator! However, if you will be installing the **GreenJacket®** covers before the turf has hardened off and the soil is frozen, temperatures may still allow for turf to respire. You may have to use a backpack blower to bring in colder air to help with hardening off and deplete any anoxic gases. As you do you will see a positive lift in the cover to confirm air circulation underneath. If you do not see the cover lift, you may need to remove the snow to keep it from sealing off the turf to the air circulating under the cover.

QUESTIONS? PLEASE CALL TOLL FREE: 888-786-2683 • FAX 262-279-6744
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Customizing Your GreenJacket®

Once your **GreenJackets®** are received, pick a day that is not very windy to unroll your **GreenJacket®**. (If utilizing **GreenJacket®** insulating AFS or foam, see page 3 foam installation instructions before proceeding.) Stretch out the **GreenJacket®** completely on the green to be covered. When in place there will be extra material, especially on the corners, that may need to be trimmed if desired.

For proper performance and longevity, stretch the **GreenJacket®** as tightly as possible over the green's surface. The proper way to stretch the **GreenJacket®** is as follows: once the **GreenJacket®** is spread out, trimmed, and tabs applied, push the nail stake with a supplied washer through the center of each reinforcing tab and partially into the ground. While pulling the **GreenJacket®** taut from the edges, work around the perimeter of the green until the cover is nice and tight. Once the entire cover is tight, pound the nail stakes in completely, at an outward facing angle. Adding sod staples in ripstop between nail stakes on perimeter edge can help keep cover secure in windy areas. Simply fold material over one or two times, and press in place.

Unrolling



Pulling Cover



Trimming



Trimmed



Applying the Reinforced Tabs

Applying the Reinforced Tabs

The **GreenJacket®** should be clean and dry before applying tabs. After the **GreenJacket®** has been trimmed to the appropriate size, place one reinforcing tab at a MAXIMUM of every 4 feet, around perimeter of the cover. The supplied tabs are precut to the proper dimensions needed to provide the proper support for the nail stakes. (Do not cut the tabs thinner or shorter.) Tabs should remain 12 inches long with 6 inches being applied to one side of the cover, and the remaining 6" to be folded over and applied to the opposite side of the cover. Keep in mind the tabs have a pressure sensitive adhesive – you must apply pressure to secure it properly to the **GreenJacket®** material.

Step 1



Step 4: Apply Washer to Stake



Step 2



Step 5: Insert Stake into Tab



Step 3: Finished Application



Step 6: Finished



Vacuum Preventer Pads IF NEEDED

- 1 Vacuum Preventer Pads will be installed on seams throughout the field area of the cover on approximately 18 ft center intervals.
- 2 First apply a Reinforced Tabs on top of cover.
- 3 Vacuum Preventer goes on top of the Reinforced Tab.
- 4 Use Nail Stake and Washer to secure cover. You may find one nail stake will secure the cover enough which will avoid any removal damage in the spring.
- 5 Cover over whole pad with GreenJacket Repair Tape to make water-tight seal.

Install Nail Stakes on an Angle



Cover with Repair Tape



HAVE QUESTIONS? PLEASE CALL 888-786-2683

Foam Installation with GreenJacket® Covers

Foam and GreenJacket® overlap



- 1 Foam supplied in 9 feet x 550 feet (4950 square foot) rolls.
- 2 Measurement for foam should be to cover the green (collar area not required).
- 3 Try to select a day when the winds will be calm, usually in the morning hours.
- 4 Foam goes down first with the **GreenJacket®** over it.
- 5 Preferably unroll foam and **GreenJacket®** on low side of green across slope angle (this may be changed depending on the wind direction at the time of installation).
- 6 Second row of foam should overlap first row by approximately 6 inches to create a shingle effect.
- 7 Start to pull the **GreenJacket®** cover over the foam simultaneously after second row of foam is down to help prevent foam from being blown or lifted as you cover the green.
- 8 If necessary, sod staples (not included) may be used to help secure the foam (not the **GreenJacket®**).

AFS Installation with Venting

- 1 AFS is supplied 78 inches wide x 154 feet long (1000 square feet per roll).
- 2 Poly vent tubes, if they will be used, need to go down first. Three tubes can be used to distribute air supply to the front, middle and back of green. To allow you to locate the tubing, be sure to allow at least 5 to 6 feet to extend out beyond the edge of where the cover's edge will be. You may want to attach the end of the vent tube with a zip tie to a hard PVC pipe to make for easy locating during periods of deep snow cover (as shown at right). The opposite end should be tied off to allow proper air distribution.
- 3 Apply AFS over the green's surface, butting edges together. When laying it out, the ends of the AFS should stop at or just beyond the IMPERMEABLE **GreenJacket®** to allow for passive air movement.
- 4 If needed, sod staples (not included) can be used to keep the AFS in place. You may find that the AFS does not need any additional sod staples since the material clings to the turf.
- 5 Install the IMPERMEABLE **GreenJacket®** directly over the AFS and secure.

AFS Insulation under GreenJacket®



HAVE QUESTIONS? PLEASE CALL 888-786-2683

GreenJacket® Accessories



Nail Stakes,
Washers
and Tabs



Repair Tape



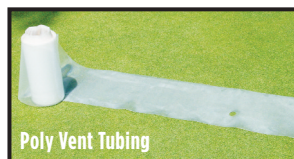
Water Dam Tubing



Vacuum Preventer Pad



Nail Stake
Puller



Poly Vent Tubing



Storage Bag



Perimeter Green Caution Ribbon

Additional Accessories you may need

- **Nail Stakes:** 10" long 3/8" diameter.
- **Washers:** 1.5" diameter.
- **Reinforced Tabs:** with pressure sensitive adhesive back. Used around the perimeter edge of the GreenJacket® cover.
- **Repair Tape:** 4" wide x 25', 100' or 200' lengths.
- **Vacuum Preventer Pads:** 1/4" thick pre-punched rubber pads, used to hold down center area of GreenJacket® cover in windy locations.
- **Nail Stake Puller:** made of steel tubing design for easy stake removal.
- **Storage Bags:** made of 12 mil reinforced poly. 6' diameter x 10' long.
- **Water Dam Tubing:** 10" layflat to redirect water away from green. Also used as a vent tubing under the GreenJacket® cover. Available in 100', 250' and 500' lengths.
- **Poly Vent Tubing:** 6" diameter layflat clear poly tubing with 1" diameter holes punched on 3' centers. Available in 1500' rolls.
- **Perimeter Green Caution Ribbon:** used in marking off the green. Tape reads PLEASE KEEP OFF PROTECTED GREEN.

GreenJacket® Cover Removal

- 1 Leave cover down until the freeze threat is gone – with **GreenJacket®** covers, there isn't a problem with over-heating and/or over-stimulation.
- 2 Fold cover in 6-8 foot fan-fold widths. With workers spread out down a line, pick cover up and move back to the same edge each time. Be sure to keep the cover low to the ground while folding. If done correctly, at this point the cover should resemble an accordion fold or a map, folded in a Z-pattern.
- 3 Now two workers grab one end and together fold the entire cover in half. With the open ends being on one end, proceed from the folded end to tightly roll the cover up allowing the air to escape while rolling.
- 4 Mark each **GreenJacket®** and/or storage bag for the designated green's hole # and where to begin unrolling for next years' installation.
- 5 For greatest longevity, store away from, or out of, sunlight.



One



Two



Three



Four



Five



Six



Call Toll Free 888-786-2683