Skyliner ™
INSULATION SYSTEMS

Installation Instructions for
Retro-fit Applications

(Actual fabric)

Step 1: Receipt and Inspection of Material

Two material packing lists will arrive with each order. One list will be attached on the outside of the skid and one on the inside with the actual material. This packing list should be reviewed upon arrival to ensure accurate deliveries. Along with your material-packing list, there will be a system layout of your project. This will indicate the location and sizes of all parts and pieces of your system.

Please report damages and/or shortages to Bay Insulation Systems immediately to help prevent job delays.

Step 2: Temporary Support Band Installations

The banding for this step can be precut to the building length plus 1 foot. This band is a temporary support only for the perpendicular bands in Step 3.

(A) Attach one end of the temporary support band to the bottom of the upper flange on the end wall rafter using a Tek 4 washered self-tapping fastener. The band can be centered in the ridge purlin space.

(B) Pull the opposite end of the band over each bay rafter to the opposing end wall. Tension the band and repeat (A).

Step 3: Perpendicular Band Installations

(A) Precut each perpendicular band per the Banding Cut List, which reflects running the banding from sidewall to ridge to opposing sidewall. Take into consideration the pitch of the roof to allow for added length of banding.

(B) Pull perpendicular band over the ridge temporary support band, finish side-down.

(C) Pull one end of perpendicular band to the eave strut, hooking temporarily on the eave strut. Using the provided layout information, attach the perpendicular bands to the eave strut, using a Tek 2 washered screw. In the case of long distances from ridge to eave, it may be necessary to pull yet another temporary band midway between ridge & eave as in Step 2 to prevent excessive sagging.

(D) Return to the ridge and repeat (C). These bands will attach to the ridge purlins after fabric installation. **DO NOT OVER TENSION AT THIS TIME;** allow for the bands to reach ridge purlins.

Step 4: Security Band Installations

On each side of each interior rafter and inside of the end wall rafters, an additional security band will be added. This band will be 2" from rafter edge. This band will be secured after fabric placement.

Precut each security band to run from sidewall to ridge to opposing sidewall. Take into consideration the pitch of the roof to allow for added length of banding. The band will give added support to prevent fall out of material at rafters. **THIS BAND WILL BE FASTENED AFTER INSULATION HAS BEEN INSTALLED.**

Step 5: Fabric Installation

Starting at rafter edge and using a support bar (not provided), place bar through fabric roll, suspend bar/roll with "C" clamps (not provided) below two purlins.

(A) **NOTE:** Properly secure support bar to the bottom of the purlin to prevent dropping of fabric roll. **Take caution to insure the fabric roll will be color-side down once it is pulled into the purlin cavity**. Pull the fabric off the core from rafter to rafter allowing the folded material to rest on the banding in one purlin space. (see picture 5A)

5A

(B) Secure the unrolled fabric with clamps at each rafter to prevent fabric from falling. Attach only the bottom layer. Advance fabric by pulling unclamped fabric corners along the rafter's edges to the opposite eave strut or high side edge. Clamps may be used to temporarily hold the fabric in place. By working both fabric edges at rafters, remove wrinkles by moving side-to-side, folding excess material over and pulling tight to rafter's edge. Additional clamps may be used to temporarily hold the fabric in place. Check to insure equal tabs are present on each rafter's edge. This will indicate if product is square with the building frame. (see picture 5B)

5B

NOTE: Although this fabric is not a guaranteed wrinkle-free product in all phases of fabric installation, all efforts should be made to smooth out as many wrinkles as possible.

(C) Once fabric has been pulled over the temporary ridge band, you may work out the wrinkles on side one. The Tek 2 washered screws may be placed through the banding and fabric along the first purlin up from the eave. Starting in the middle of the purlin, work outward toward the rafters. This will allow the wrinkles to be worked toward each edge. **AGAIN, DO NOT FASTEN SECURITY BAND UNTIL INSULATION IS IN PLACE.**

(D) By temporarily removing the Tek 2 washered screw installed in Step 3-C above, the fabric can be pulled underneath the eave strut and the removed screw can be reinstalled. The fabric shall be secured to the bottom of the eave strut with double-sided tape at this time.

(E) When side one is secured to the ridge, this process may be repeated on side two.

■ Step 6: Insulation Installation

(A) By not fastening security band, the fabric can be folded back to allow the insulation to be pulled into the purlin cavity. This can be pulled into the cavity by rope.

   NOTE: Obstructions such as X Braces, banding, etc. may require insulation to be pre-installed and wired in (wire supplied by others). The insulation should rest on top of each rafter butting tightly to insulation in the next bay.

(B) Once insulation has been installed, the fabric installation may be completed using adhesive and/or double-sided tape. Secure the fabric to the bottom of the upper rafter flange.

(C) The security band may be secured at this time 2" from edge of the upper rafter flange.

(D) Trim fabric to inner edge of upper rafter flange for finished appearance.

Blown-in Insulation Option

When preferred, one may utilize the blow-in option.

Read operation manual and safety requirements for the blow-in equipment being used.

(A) After performing Steps 1 thru 5, additional steps will be necessary for material support.

(B) In bay 1, begin by securing the fabric to the underside of the top flange of the end wall rafter. **NOTE: Take care to close any voids that may allow blow in material to escape between end wall and rafter.**

(C) Complete the install of security band at the end wall rafter only at this time.

(D) Seal the fabric to the eave strut to prevent material loss.

(E) Fasten the extension pole to the supply hose. Add pole sections as the hose is fed into the purlin cavity. A flashlight is helpful at this point to view position of supply hose. Position supply hose one to two feet from end wall rafter.

(F) Begin the material feed slowly at first and adjust accordingly to allow proper cavity fill. Again, a strong flashlight will be helpful to view this process to insure adequate fill of the purlin cavity.

(G) As the material reaches the hose end, retract the hose one to two feet, and begin the fill again. Repeat this process for the length of the purlin cavity stopping one foot from the open edge. Detach the sections of the extension poles as needed while retracting.

(H) Repeat this process in each purlin cavity of the first bay.

(I) Once the insulation is installed, close each purlin cavity by securing the fabric to the underside of the top flange of the rafter with adhesive and/or double-sided tape.

(J) Complete the install of the security band at this time.

(K) Trim fabric to inner edge of upper rafter cord for finished appearance.

(L) From the opposite side of the rafter, in bay 2, finish filling the purlin cavities of bay 1 up to the rafter's edge.

(M) Secure the fabric in bay 2 to the under-side of this rafter's top flange in each purlin cavity and repeat the process.

(N) On the final bay, fill the cavities as close to the end wall rafter as possible with the blow-in material. With batt insulation, fill the remainder of the purlin cavity spaces and repeat the fabric closure process.

Questions? Contact your Bay District Manager,
call **844.999.7153** or visit **www.SkylinerSystems.com**

www.SkylinerSystems.com