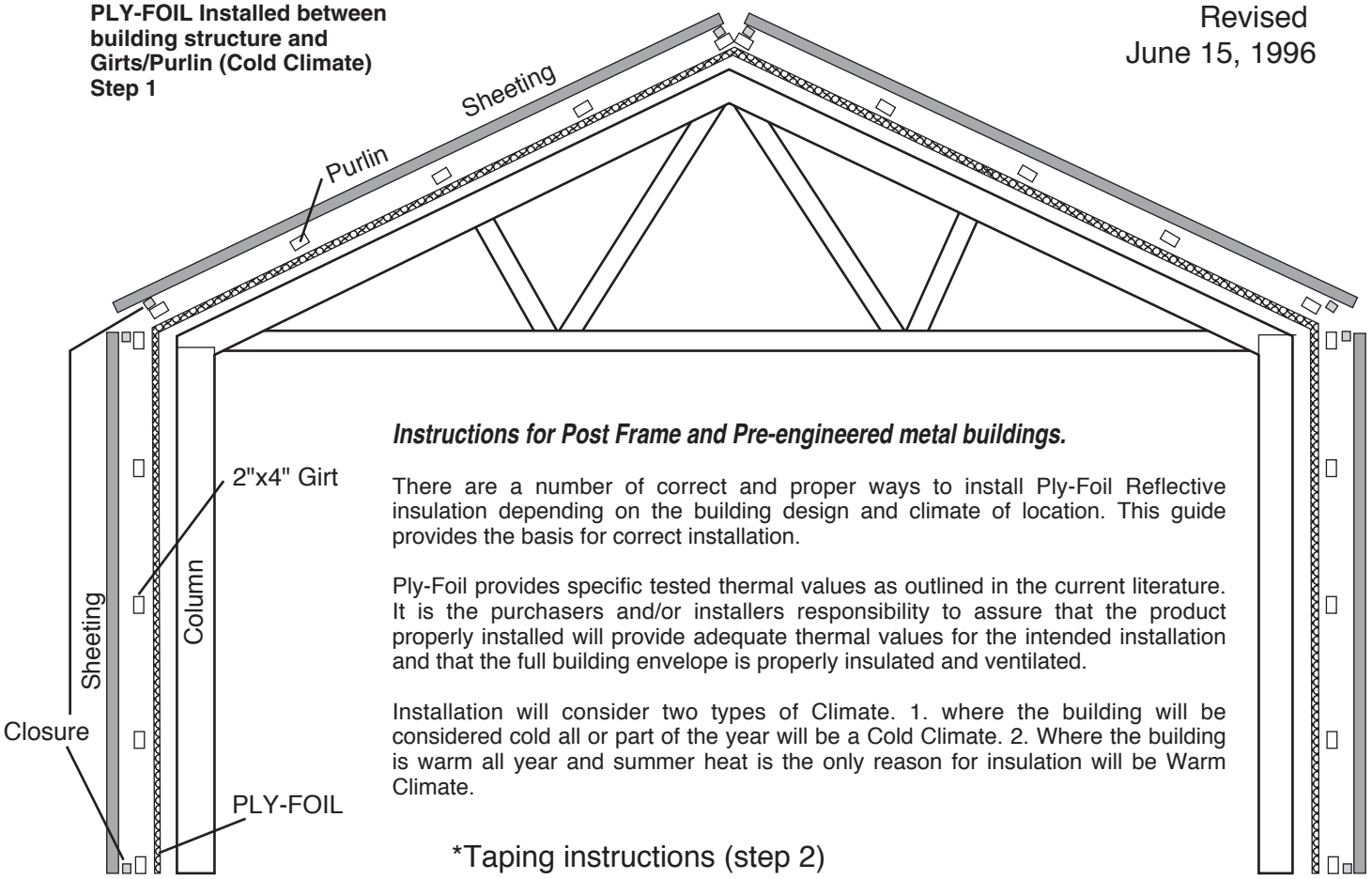
Product Installation Instructions

PLY-FOIL INCORPORATED

Revised
June 15, 1996

PLY-FOIL Installed between building structure and Girts/Purlin (Cold Climate) Step 1



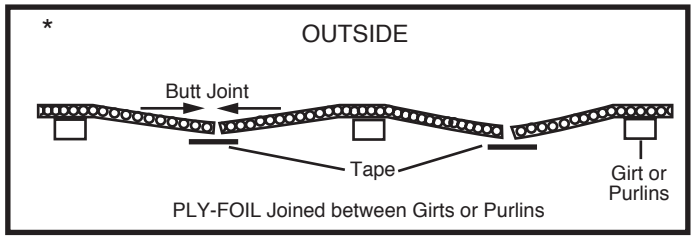
Instructions for Post Frame and Pre-engineered metal buildings.

There are a number of correct and proper ways to install Ply-Foil Reflective insulation depending on the building design and climate of location. This guide provides the basis for correct installation.

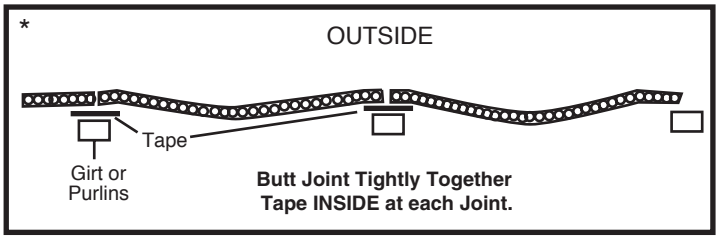
Ply-Foil provides specific tested thermal values as outlined in the current literature. It is the purchasers and/or installers responsibility to assure that the product properly installed will provide adequate thermal values for the intended installation and that the full building envelope is properly insulated and ventilated.

Installation will consider two types of Climate. 1. where the building will be considered cold all or part of the year will be a Cold Climate. 2. Where the building is warm all year and summer heat is the only reason for insulation will be Warm Climate.

*Taping instructions (step 2)

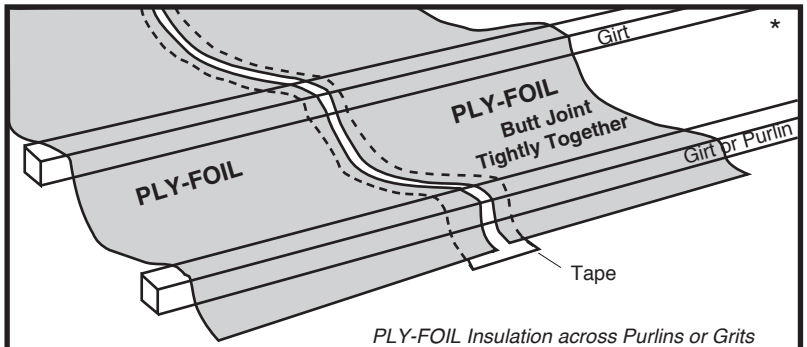


PLY-FOIL Joined between Girts or Purlins



Butt Joint Tightly Together
Tape INSIDE at each Joint.

Support back side of foil when applying tape



PLY-FOIL Insulation across Purlins or Grits

LEAVE 3/4" AIR SPACE BETWEEN SKIN AND PLY-FOIL ***DO NOT PULL TIGHT.***
TAPE INSIDE EACH SEAM USING PLY-FOIL TAPE.

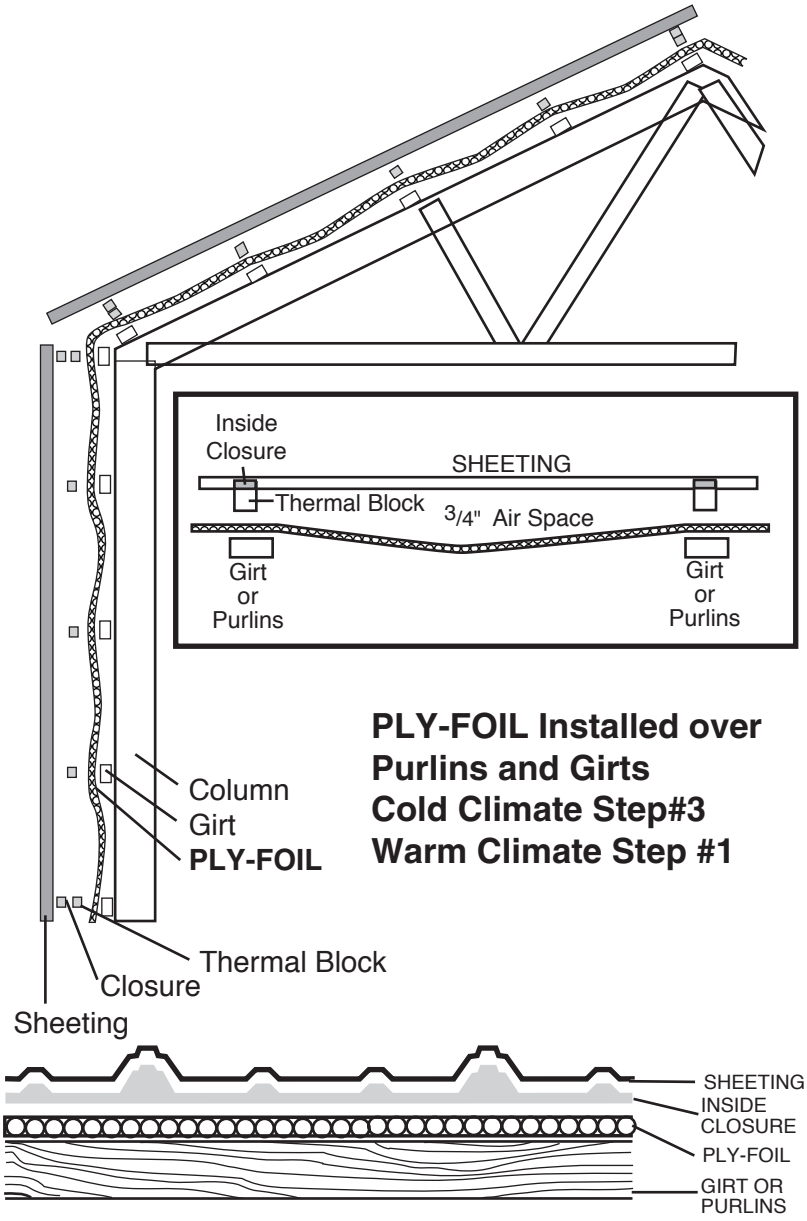
Cold Climate.

1. Ply-Foil should be placed over the building structure before the girts and purlins are attached. Install the girts and purlins outside on top of the insulation.

2. All inside seams must be taped using Ply-Foil Aluminum Tape (no substitutions are authorized) pressed firmly onto the insulation. Use paddle supplied in each case of Ply-Foil tape or use a flat blade tool. Use as much force as possible (minimum two pounds per square inch) without breaking the air bubbles in the Ply-Foil insulation. The taped side must be inside to provide a moisture barrier. Urethane caulk can be used in place of Ply-Foil tape if the seam is stapled.

3. Ply-Foil installed over steel or wood girts and purlins requires thermal blocking towards the outside between Ply-Foil and exterior sheeting.

4. A minimum of 3/4" dead air space is required between the Ply-Foil and the exterior skin. Do not pull Ply-Foil taunt during installation.



PLY-FOIL Installed over Purlins and Girts
Cold Climate Step#3
Warm Climate Step #1

5. Closures for steel sheeting are required at each end of each piece, side wall and roof to create the required dead air space between The Ply-Foil and exterior sheeting.

6. Do not interfere with ventilation. Fit the product around vents to assure full design vent area. Insure that the space between the Ply-Foil and the roof and the side wall sheet steel is a dead air space, that the ventilation system will not draw air from this area.

7. To control condensation in installations where Ply-Foil will be exposed to the interior, a second layer of Ply-Foil or Poly film may be required to create an interior air space.

8.Ventilation is critical to proper control of moisture in a building. Consult a ventilation specialist if condensation is not controlled by the above listed proper installation of Ply-Foil.

Warm Climate

1. Ply-Foil should be placed over the building structure with the girts and purlins placed outside the insulation. Allowable to place Ply-Foil over girts and purlins if a 3/4" dead air space is provided.

2. All seams must be taped using Ply-Foil Aluminum Tape pressed firmly onto the insulation. Use paddle supplied in each case of Ply-foil tape or use a flat blade tool. Use as much force as possible without breaking the air bubbles in the Ply-Foil insulation. The taped side must be inside to provide a moisture barrier. Urethane caulk can be used in place of Ply-Foil tape if the seam is stapled.

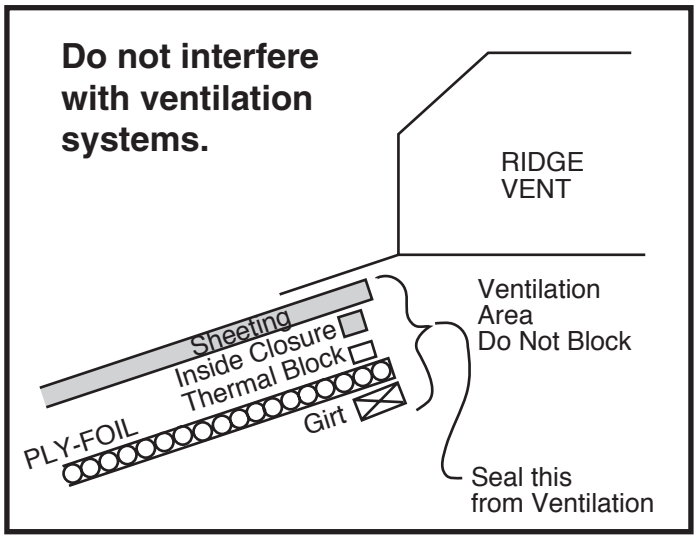
3. A minimum of 3/4" dead air space is required between the Ply-Foil and the exterior skin. Do not pull Ply-Foil taunt during installation.

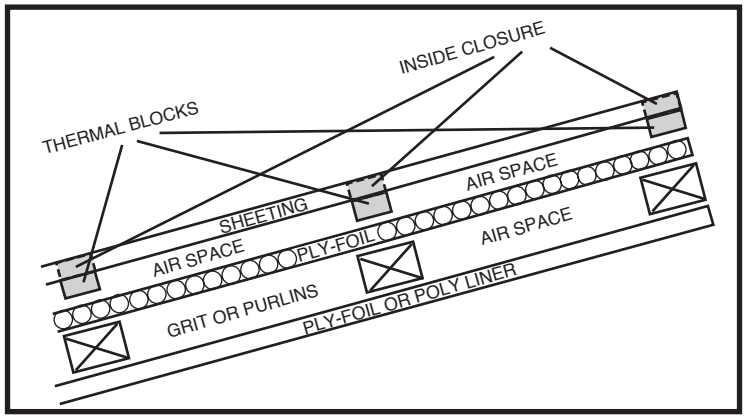
4. Do not interfere with ventilation. Fit the product around vents to assure full design vent area.

5. In installations where Ply-Foil will be exposed to the interior, a second layer of Ply-Foil or Poly film may be required to create an interior dead air space to control condensation.

6. Ventilation is critical to proper control of moisture in a building. Consult a ventilation specialist if condensation is not controlled by the proper installation of Ply-Foil.

This supersedes form CCMC-#12342-R. That form should be removed and destroyed.





Ply-Foil is warranted against defects in material and workmanship. A copy of the full warranty is available upon request.

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