



HOW TO INSTALL 1/2" FANFOLD INSULATION

» Purpose

To install 1/2" fanfold insulation correctly under roofing systems for a smooth surface protection for TPO and improved insulation. This product is used as a minimum requirement under TPO, it can also be used when going over an existing roofing system.

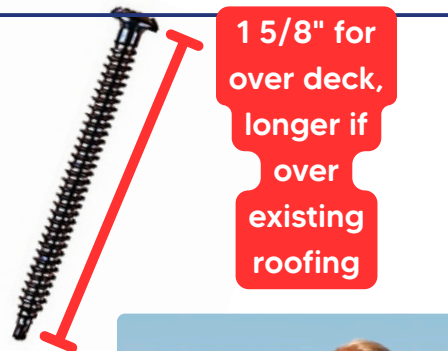
Why "Fan Fold"

Fanfold insulation helps create a flat surface, protects the roof deck, and can improve energy efficiency. It is also the most budget friendly and easy to install option.

A clean, even fanfold install helps the roofing system perform better and look more professional.

Tools and Materials Needed

- 1/2" fanfold insulation bundles
- Straight Blade Utility knife
- Tape measure
- Screw gun.
- 1 5/8" screws if direct install over deck (longer if over existing layer of roofing)
- Insulation plates



1

Prep the Roof Surface

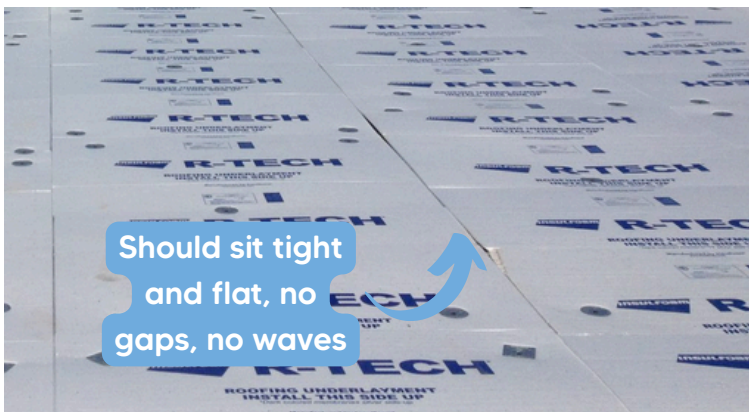
- Make sure the roof deck is solid, clean, dry, and free of debris.
- Nail down or remove any raised nails or sharp edges that could damage the insulation.
- Blow off and sweep clean the roof surface.



2

Lay Out the Fanfold

- Start at the lowest point of the flat roof (eaves).
- Roll or unfold the fanfold horizontally across the roof. **Any foil backing is always installed down.**
- Each sheet should lay straight and flat with **no big gaps or bubbles.**
- If an angle change or transition to a sloped roof, cut fanfold directly at angle change.
- Use a straight blade utility knife to cut sheets around pipes, vents, chimneys, or at edges. **Cut carefully so the insulation fits tight and clean.**



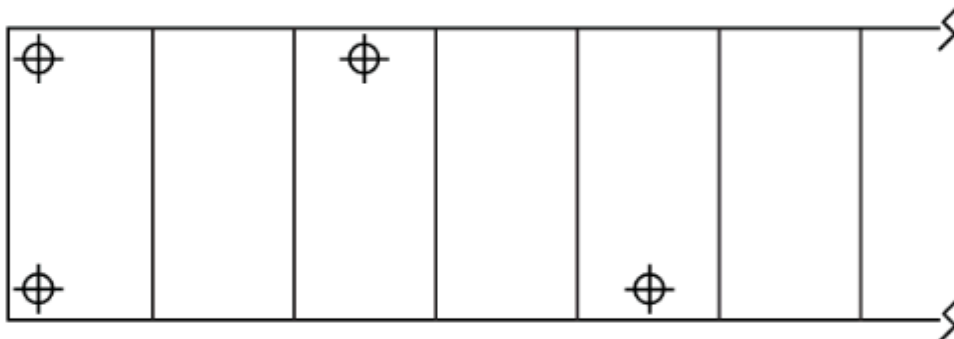
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Fasten the Fanfold

- Use a screw gun and appropriately sized screw and insulation plate to fasten.
- Place a screw/plate at each corner of the edges of the sheet, 6" from the boards edges. Followed by a fastener in every other insulation panel across the roof surface. Install the plates flush into the fan fold. See below diagram and photo of fastener locations



Installation Recommendations



- One fastener is to be placed at each corner of the leading and trailing edges, and thereafter at a rate of one fastener every 12 square feet placed on alternating sides of the sheet.
- Fasteners are to be 6" from the board's edge.

✗ What Not to Do

- Don't leave gaps or overlaps–this can cause bumps under the roof.
- Don't install over a wet or dirty roof deck.
- Don't skip fasteners, they keep the fanfold from moving in the wind.
- Don't over fasten. This is a waste of materials, the roofing material on top is what will hold the system down.

✓ Final Checks:

Before moving on to the final roofing materials:

- ✓ All fanfold lays flat and smooth
- ✓ Fasteners are spaced correctly
- ✓ Cuts are clean around all roof features
- ✓ No gaps, bubbles, or loose edges



How to Install Fanfold Insulation

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