ACFoam®
Polyiso Roof Insulation

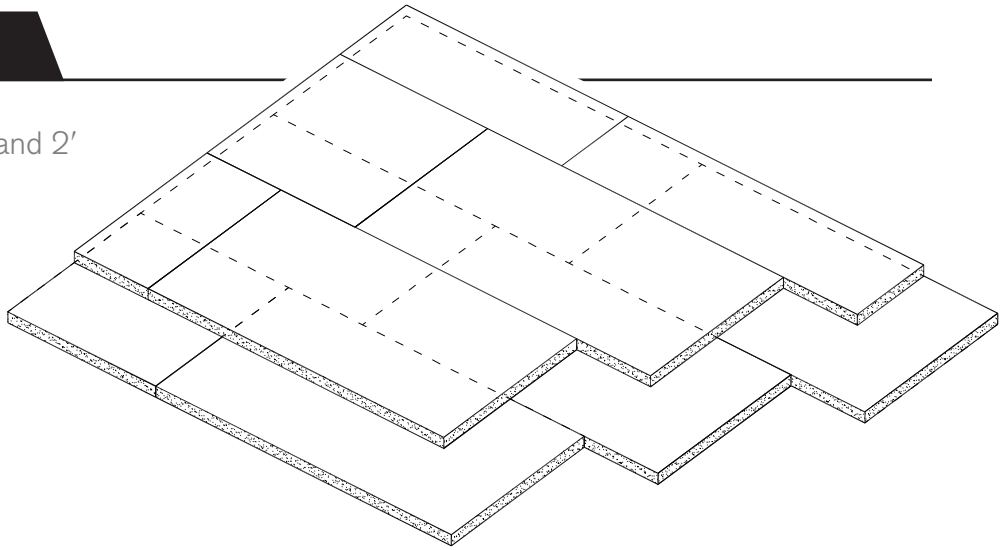
DID YOU KNOW?

ATLAS ACFOAM® MULTIPLE LAYER APPLICATION

To minimize the effects of thermal bridging, Atlas strongly recommends the use of multiple layers when the total desired or specified polyisocyanurate (polyiso) R-value requires an Atlas [1]ACFoam® thickness greater than 2.7″.

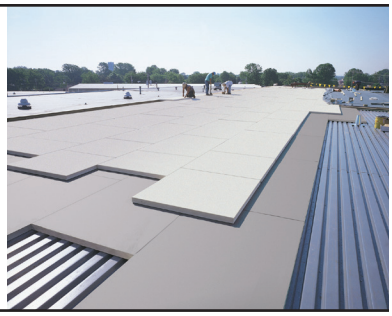
TYPICAL 4′ × 8′ POLYISO BOARD

Top layer installed with a 2′ stagger and 2′ offset in relation to the bottom layer.



BENEFITS

- Reduced thermal loss at insulation joints
- Helps prevent building generated moisture from condensing on the underside of the roofing membrane
- Reduced thermal bridging
- Minimizes potential for membrane splitting in built up roofing (BUR) systems



When a multiple layer insulation application is used, the joints of the insulation boards in the top layer should be vertically staggered and offset a minimum of 6.0″ from the joints in the insulation boards in the layer below.

In a double or multiple layer configuration, the layer next to the deck must meet the polyiso roof insulation manufacturer's minimum thickness requirement for fire performance as designated by FM 4450 / UL 1256 / ULC-S126. The upper layer must meet the FM or UL/ULC applicable wind uplift classification.

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[1] Including, but not limited to: ACFoam®-II, ACFoam®-III, ACFoam® Supreme, ACFoam® -HD CoverBoard, ACFoam® Recover Board, ACFoam® Nail Base & ACFoam® CrossVent®