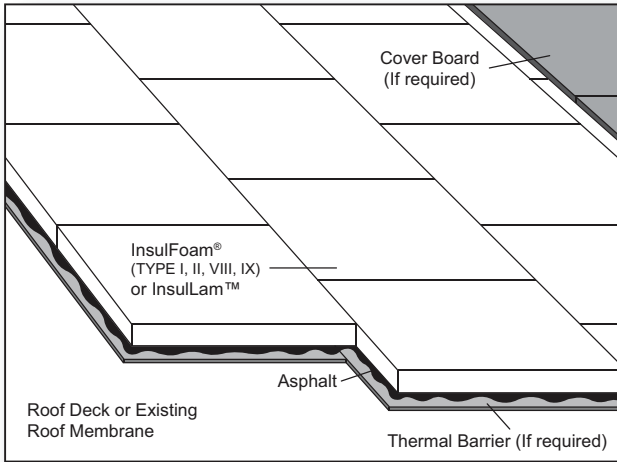
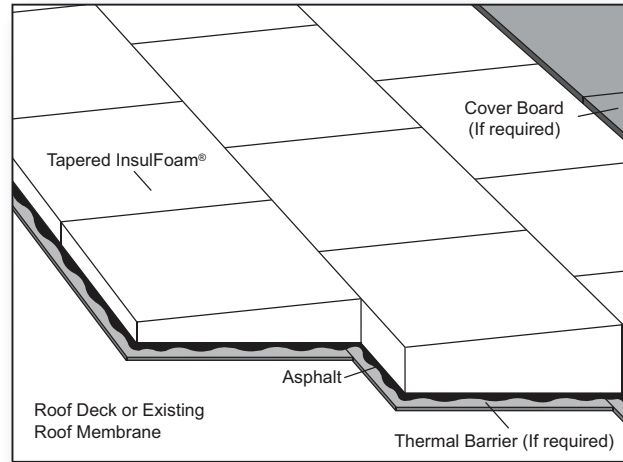


SINGLE LAYER – ASPHALT ATTACHED

Flat Insulation



Tapered Insulation



General

This specification is intended for use over any substrate suitable to receive and support an asphalt attached roof insulation assembly and subsequent roof membrane. It is provided to serve as a guideline for designers and installers.

Installation Considerations

- InsulFoam insulations are shipped in plastic film wraps, which are intended for temporary protection during shipping. All material should be protected from the elements and stored in a dry location.
- Install only as much insulation as can be covered by a roof membrane system, and/or made watertight by the end of each day.
- InsulFoam insulations should not be exposed directly to solvent-based or petroleum-based adhesives and sealants.
- Allow approximately a 1/4" space between InsulFoam insulation and vertical surfaces or roof projections. Do not force or jam product into place.
- Review the layout of all Tapered InsulFoam systems before loading and installing panels.
- For re-cover applications, care should be taken to ensure that no moisture is trapped in the existing or new roof system.
- Applications over uneven substrates may require that the insulation boards be scored or slit to obtain full contact with the asphalt.
- Concrete decks must be primed with an appropriate primer and must be sufficiently dry before applying hot asphalt.
- Asphalt attachment of insulation directly to a metal deck is not recommended.

InsulFoam insulations are compatible with most membrane systems; however, we recommend consultation with the membrane manufacturer for any limitations or approvals for use with their products.

Insulation Specifications

InsulFoam	Tapered InsulFoam	InsulLam
Direct-to-Deck		
1NIH	1NTH	1NLH
DensDeck Thermal Barrier		
1DIH	1DTH	1DLH
Gypsum Thermal Barrier		
1GIH	1GTH	1GLH
Perlite Thermal Barrier		
1PIH	1PTH	1PLH

Thermal Barrier Installation (If required)

Some designs require the use of a thermal barrier between the insulation and occupied areas of the building. Thermal barriers must be securely attached to the roof deck. For guidance, consult local building codes, the membrane manufacturer and the Thermal Barrier information in the Insulfoam Roofing Manual.

Asphalt Attached Insulation

Applications requiring an InsulFoam insulation attached in hot asphalt should be installed by a roofing crew fully trained for these applications. The asphalt is to be applied only to the substrate. The InsulFoam insulation is to be installed only after the asphalt has cooled adequately.

DO NOT APPLY ASPHALT DIRECTLY TO ANY INSULFOAM OR R-TECH PRODUCTS.

Board size should be limited to 4' x 4' when using this attachment method. Apply asphalt to the substrate at a rate of 30 lbs. per square and 3" to 6" beyond the edges of the board being installed. Porous substrates may require a greater amount of asphalt. Allow the asphalt to cool up to 250 °F, but not less than 200 °F. The absence of visible smoke is a common indicator that the asphalt has sufficiently cooled. This may not be applicable at ambient rooftop temperatures below 50 °F. In addition, it may be useful to use an infrared heat gun to measure asphalt temperatures on the substrate prior to installation of the first few boards. Weather conditions, asphalt variations and crew techniques will impact the rate at which asphalt cools. The asphalt must remain hot enough to maintain its adhesive characteristics. Firmly set boards of InsulFoam into the asphalt with continuous side joints and end joints staggered a minimum of 6". Insulation should abut tightly against adjacent boards. Joints greater than 1/2" should be filled with the same insulation being used in the field of the roof. If InsulFoam is being installed over a thermal barrier or an existing layer of insulation, all joints must be offset a minimum of 6" between layers.

Cover Board Installation (If required)

Some specifications require the use of a cover board. Cover boards may be asphalt attached or adhered over asphalt attached InsulFoam and Tapered InsulFoam. For cover board installation procedures, refer to the Cover Board Specification information in the Insulfoam Roofing Manual.

When cover boards are used in conjunction with this specification, the insulation specification would be modified with a two-letter suffix to identify the cover board type and attachment method. Refer to the Cover Board Specifications information.

