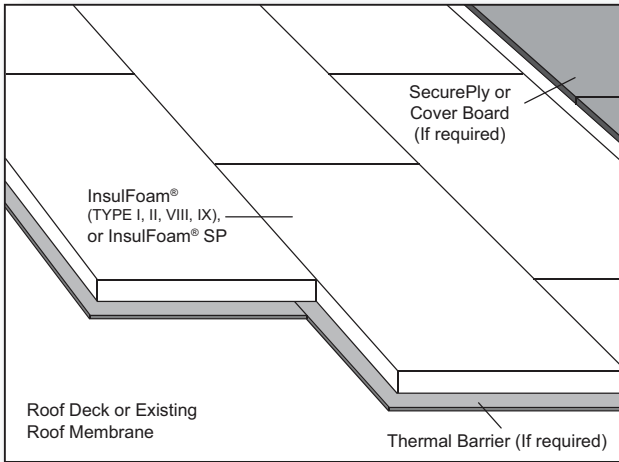
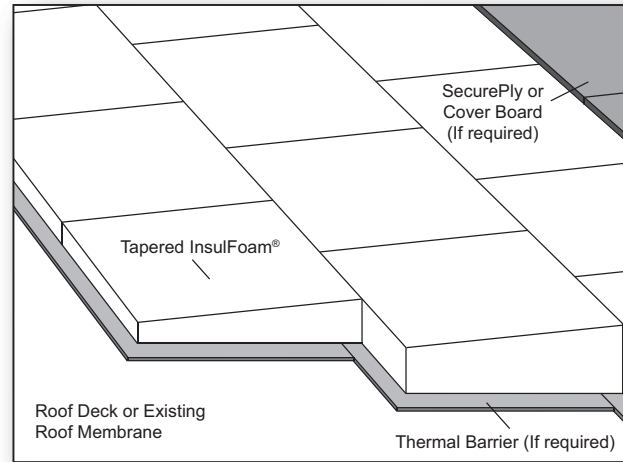


SINGLE LAYER – LOOSE LAID

Flat Insulation



Tapered Insulation



General

This specification is intended for use over any substrate suitable to receive and support a loose laid 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.
- When conditions dictate, in order to prevent wind blow-off or damage during installation, the loose laid insulation should be weighed down or tacked into place with a minimal quantity of mechanical fasteners.
- 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.

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	InsulFoam SP	Tapered InsulFoam
Direct-to-Deck		
1NIL	1NSL	1NTL
DensDeck Thermal Barrier		
1DIL	1DSL	1DTL
Gypsum Thermal Barrier		
1GIL	1GSL	1GTL
Perlite Thermal Barrier		
1PIL	1PSL	1PTL

Thermal Barrier Installation (If required)

Some designs require the use of a thermal barrier between the insulation and occupied areas of the building. For guidance, consult local building codes, the membrane manufacturer and the Thermal Barrier information in the Insulfoam Roofing Manual.

Loose Laid Insulation

Install InsulFoam insulation with continuous side joints and end joints, staggered so that they are offset by a minimum of 12" from the end joints in adjacent rows. Insulation should abut tightly against adjacent boards. Joints greater than 1/2" should be filled with the same insulation that is being used in the field of the roof. If insulation is being installed over a thermal barrier, an existing layer of insulation, or under a cover board, all joints must be offset a minimum of 6" between layers. When installing InsulFoam insulations directly to a metal deck, the edges of the insulation parallel to the deck ribs must be solidly supported and centered on the ribs. Additionally, for metal deck installations, ensure that the insulation has a thickness that is adequate to span the rib openings. For acceptable minimum thicknesses of InsulFoam installed directly over

metal decks, refer to the Roof Decks section in the Insulfoam Roofing Manual.

SecurePly Installation

Some specifications require the use of a slip sheet. SecurePly should be rolled out so that it completely covers the underlying insulation. SecurePly must have 2" (minimum) side and end laps. To prevent movement from wind or roof top construction traffic, it may be necessary to tack SecurePly into place with a minimal quantity of mechanical fasteners.

When SecurePly is used in conjunction with these loose laid specifications, the insulation specification designation is to be modified with the two-letter suffix SL, to identify that SecurePly has been loosely laid over the insulation.

Cover Board Installation (If required)

Some specifications require the use of a cover board. Cover boards may be loose laid or mechanically attached over loosely laid InsulFoam or 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 Specification information.

