

**TECHNICAL BULLETIN # 1011**

**SUBJECT: ROOF DECK and INSULFOAM EPS FLUTE SPANABILITY**

**DATE: AUGUST 26, 2002**

Insulfoam EPS roof insulations are utilized in Direct to Deck applications where our insulation is placed directly over a steel deck. During the insulation and subsequent roof membrane application the insulation must be able to withstand normal roof traffic. To assure proper performance during application and through the life of the roof Insulfoam has determined the minimum thicknesses for our insulation systems that are applied over a steel deck. The following chart list the minimum thickness of Insulfoam EPS required for various deck types:

Steel Roof Deck Type	Flute Span Distance	TYPE I	TYPE VIII	TYPE II	TYPE IX
Type A	1.00 in.	1.25 in.	1.15 in.	1.05 in.	1.00 in.
Type F	1.75 in.	2.25 in.	2.00 in.	1.85 in.	1.66 in.
Type B, BW	2.50 in.	3.12 in.	2.88 in.	2.63 in.	2.37 in.
Type N	2.75 in.	3.44 in.	3.25 in.	2.90 in.	2.60 in.

In all applications of Insulfoam EPS where a cover board (wood fiber, OSB, Dens-Deck) is used in conjunction with the EPS the minimum thickness of EPS is 1.00 inches for all densities for the above deck types.

Should there be further questions regarding Insulfoam EPS and flute spanability, feel free to contact Insulfoam-Technical Center @ 1-800-469-8870.