



Flute Span Capability of
Thermapink
Extruded Polystyrene Insulation

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Thermapink Extruded Polystyrene Insulation is approved for application directly over steel roof decks. This application requires that the insulation be capable of spanning across rib openings in the deck and provides reasonable resistance to foot traffic and other normal roof loads. This chart outlines the recommended minimum Thermapink thickness.

Steel Deck Type	Thermapink Insulation Thickness, minimum		Rib Opening, Width	Rib Depth
	Thermapink 18	Thermapink 25		
A (narrow rib)	1"	1"	1"	1 1/2"
F (intermediate rib)	1"	1"	1 3/4"	1 1/2"
B (wide rib)	1 1/2"	1 1/2"	2 5/8"	1 1/2"
3DR (deep rib)	2"	1 1/2"	2 3/4"	3" and greater
Long Span	2"	1 1/2"	3 3/8" 4 3/8"	3" and greater
Long Span	2"	2"	6"	3" and greater
Cellular	Not Permitted ⁽¹⁾	Not Permitted ⁽¹⁾	Varies	Varies
Acoustical	Not Permitted ⁽¹⁾	Not Permitted ⁽¹⁾	Varies	Varies



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Notes:

1. See Underwriters Laboratories Roof Deck Construction #457 for full assembly details. Minimum steel deck depth permitted is 1 1/2". Minimum 22 MSG. Cellular and acoustical decks were not tested, and are therefore not permitted.
2. See ICC Legacy Report 9727A for additional details regarding the use of Thermapink Extruded Polystyrene applied direct to steel roof deck.
3. Thermapink 40 and 60 were not tested direct to deck and are not included in UL #457 or building code listings for direct to deck application.
4. Data provided is derived from testing in general accordance with FM 4450 and FM 4470 resistance to foot traffic requirements.