

ROOF DECK SPAN

APPLICABLE TO THERMALSTAR® PRODUCTS

ThermalStar® rigid insulation is often utilized in roof applications where it is placed directly over fluted steel decks and must be able to resist installation foot traffic loads. The table below provides the minimum recommended thickness of ThermalStar rigid insulation to span the flutes of various metal deck types.

MINIMUM THICKNESS TO SPAN METAL DECK FLUTES (INCH)					
PRODUCT	DECK TYPE	Type A	Type F	Type B	Type N
	FLUTE SPAN	1.00"	1.75"	2.50"	2.75"
10 psi		1.25	2.25	3.12	3.44
13 psi		1.15	2.00	2.88	3.25
15 psi		1.05	1.85	2.63	2.90
25 psi		1.00	1.66	2.37	2.60

This technical bulletin is applicable to normally occurring roof foot traffic and proper staging during installation of the roofing system. Some minor deformation may occur in heavy traffic areas. In applications where rigid cover boards are used, the minimum thickness of the ThermalStar rigid insulation can be 1" for all the above deck types.

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