


Roofing No. 3004

Subject: Roof Spanability

Date: January 2008 (Revised January 2019)

A minimum thickness of ThermaFoam R-Control roof insulation is required to span metal deck flutes. The table below provides the minimum recommended thickness of ThermaFoam R-Control insulation to span flutes for various metal deck types.

MINIMUM THICKNESS TO SPAN METAL DECK FLUTES					
	Deck Type	Type A	Type F	Type B	Type N
	Flute Span	1.00 in.	1.75 in.	2.50 in.	2.75 in.
100		1-1/4"	2-1/4"	3-1/4"	3-1/2"
130		1-1/4"	2"	3"	3-1/4"
150		1"	2"	2-3/4"	3"
250		1"	1-3/4"	2-1/2"	2-3/4"

The table is used for normal occurring metal roof deck situations where ThermaFoam R-Control insulation thicknesses of 3" or less are required. The table assumes normally occurring roof traffic and proper staging during installation of the roofing system. Some minor deformation may occur in heavy traffic areas. If special requirements need to be met, please contact your local ThermaFoam R-Control insulation supplier before installation.

When approved coverboards are used, the minimum thickness of the ThermaFoam R-Control insulation can be 1" for all Types if the metal deck flute span is less than 3".



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