


## ROOFING NO. 3004

**SUBJECT: ROOF SPANABILITY**

**DATE: JANUARY 2008 (REVISED JANUARY 2019)**

A minimum thickness of R-Shield® roof insulation is required to span metal deck flutes. The table below provides the minimum recommended thickness of R-Shield 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.
<b>100</b>		1-1/4"	2-1/4"	3-1/4"	3-1/2"
<b>130</b>		1-1/4"	2"	3"	3-1/4"
<b>150</b>		1"	2"	2-3/4"	3"
<b>250</b>		1"	1-3/4"	2-1/2"	2-3/4"

The table is used for normal occurring metal roof deck situations where R-Shield 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 R-Shield insulation supplier before installation.

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