



Standing Seam Clip & Thermal Spacer Guidelines

The following guidelines should be used when selecting the appropriate roof clips and thermal spacers for the Maxima, MLFS, and ML90 Roof systems. The Maximum insulation listed is based on the UL-90 ratings for these panels.

Insulation/Thermal Spacer Selection Guide			
Insulation Thickness	Low Clip System	High Clip System	Tall Clip System
No Insulation	3/8" thermal Spacer	Not recommended	Not recommended
3" Insulation	No Thermal Spacer	1" Thermal Spacer	Not recommended
4" Insulation	No Thermal Spacer	5/8" Thermal Spacer	Not recommended
6" Insulation	Not recommended	3/8" Thermal Spacer	1" Thermal Spacer
8" Insulation	Not recommended	No Thermal Spacer	5/8" Thermal Spacer
10" Insulation	Not recommended	Not recommended	3/8" Thermal Spacer
12" Insulation	Not recommended	Not recommended	No Thermal Spacer

Thermal Spacer Disclaimer

The above chart is only a guide. There are many blanket insulation manufacturers and as such the densities of the insulation vary from manufacturer to manufacturer. This needs to be considered when selecting the appropriate clip system and thermal spacers. The different densities may affect the appearance of the metal roof system. In the end it is the installer's responsibility to make the correct selection. McElroy Metal does not require the use of thermal spacers with its metal roofs systems however, the building owner or architect may. In certain climates the lack of a thermal spacer may cause a thermal break to occur which could lead to condensation. If a thermal spacer is not used on un-insulated building a rumbling to "thunder" type noise may be observed to be more pronounced. If a thermal spacer is not used, panel modularity may be more difficult to hold. Using too much or too dense insulation may result in purlin read through, may be more difficult to install, and/or may cause difficulty in holding panel modularity.