



# Thermoplastic Single Ply and Multi-Ply Roofing Systems

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## MECHANICALLY ATTACHED SYSTEMS

### **GUIDE TO FASTENER AND PLATE PLACEMENTS**

This guide is based on current FM Approvals for the field sheet securement criteria. The perimeter and corner enhanced securement must be calculated based on FM Loss Prevention Data Sheets 1-28 and 1-29.

#### **Steel Deck or Structural Concrete**

Membrane Type	Row spacing	Fastener Type	Fastener Spacing	Uplift Rating
MF/R Plus Elvaloy	72"	Standard	12"	60
MF/R Plus Elvaloy	72"	Standard	6"	90
MF/R Plus Elvaloy	73"	XHD	6"	120
MF/R Plus Elvaloy	73"	XHD	12"	90
MF/R Plus Elvaloy	73"	XHD	18"	60
MF/R Plus Elvaloy	114"	SXHD	12"	90
MF/R Plus Elvaloy	114"	XHD	6"	120
MF/R Plus 60 Elvaloy	72"	SXHD	18"	90
MF/R Plus 60 Elvaloy	73"	XHD	12"	105
MF/R Plus 60 Elvaloy	72"	XHD	6"	150
FB Plus Elvaloy	69"	XHD	12"	105
TPO Plus	42.5"	XHD	12"	105
TPO Plus	42.5"	XHD	6"	165
TPO Plus	91"	XHD	12"	60
TPO Plus	91"	SXHD	12"	90
TPO Plus	91"	XHD	6"	105
TPO Plus	115"	XHD	12"	60
TPO Plus	115"	XHD	12"	75
TPO Plus	115"	SXHD	12"	90
TPO Plus	115"	XHD	6"	105
TPO Plus	115"	XHD	6"	120
TPO Plus	138.5"	XHD	12"	60
TPO Plus	138.5"	SXHD	6"	120

Acceptable steel decks must meet the following minimum requirements. 18, 20, or 22 gauge thickness, 1.5" deep meeting ASTM A1008/A1008M-01a or A653/653M-01a SS Grade 80.

Deck installation is to be in accordance with FM requirements. Structural Concrete decks require the use Flex CD-10 or Flex HD 10-14 fasteners with the appropriate Flex seam plate.