

**FM Global Approvals
JM TPO-1 Membrane Systems**

Rating	Deck	System	Insulation	Membrane	Sheet Width	Fastener Frequency	Fastener	Plate	Deck Special Conditions
1-60	S	M	E	JM TPO-1	10'	12" o.c.	HL	HL	80 ksi
1-90	S	M	E	JM TPO-1	8'	12" o.c.	HL	2 3/4"	33 ksi
1-90	S	M	E	JM TPO-1	10'	12" o.c.	HL	2 3/4"	80 ksi
1-90	S	M	E	JM TPO-1	10'	6" o.c.	HL	HL	80 ksi
1-120	S	M	E	JM TPO-1	10'	6" o.c.	HL	2 3/4"	80 ksi
1-90	S	A	E (1.5")	JM TPO-1	-	1 per 2	UF	UF 3"	33 ksi
1-90	S	A	E (2")	JM TPO-1	-	1 per 4	UF	UF 3"	33 ksi

Deck

S = Steel

System

M = Mechanically Attached

A = Adhered

Insulation

E = ENRGY 3®

2 3/4" = JM TPO-1 Seam Plate

Notes

1. Deck must be FM Global approved.
2. 33 ksi steel deck is also known as Grade C steel.
80 ksi steel deck is also known as Grade E steel.
3. All layers of insulation must be fastened with five (5) UltraFast® Fasteners and Plates per 4' x 8' board on metal decks.

