

FM Global® Approvals JM TPO Membrane Systems – Mechanically Fastened

Deck	Rating	ISO	Cover Board	Insul. Attach.	Fastener Freq.	Sheet Width	Mem. Fast.	Fastener Frequency	RoofNav SM
Steel	1A-60	E	As approved	UF	5/board	10' (3.05 m)	HL	12" o.c. (305 mm)	Awaiting Number
	1A-75					XHL	12" o.c. (305 mm)	222861-0-0(E), 222862-0-0(I), 222863-0-0(DD), 223039-0-0(OSB)	
	1A-75					HL	12" o.c. (305 mm)	222941-0-0(E), 222741-0-0(I), 222745-0-0(DD), 223024-0-0(OSB)	
	1A-75					HL	12" o.c. (305 mm)	222822-0-0(E), 222823-0-0(I), 222824-0-0(DD), 223036-0-0(OSB)	
	1A-90					XHL	12" o.c. (305 mm)	222808-0-0(E), 222809-0-0(I), 222810-0-0(DD), 223028-0-0(OSB)	
	1A-90					HL	6" o.c. (152 mm)	222855-0-0(E), 222859-0-0(I), 222860-0-0(DD), 223038-0-0(OSB)	
	1A-90					XHL	12" o.c. (305 mm)	222798-0-0(E), 222801-0-0(I), 222942-0-0(DD), 223025-0-0(OSB)	
	1A-90					HL	6" o.c. (152 mm)	222816-0-0(E), 222817-0-0(I), 222818-0-0(DD), 223033-0-0(OSB)	
	1A-90					XHL	12" o.c. (305 mm)	222819-0-0(E), 222820-0-0(I), 222821-0-0(DD), 223034-0-0(OSB)	
	1A-105					HL	6" o.c. (152 mm)	222692-0-0(E), 222937-0-0(I), 222938-0-0(DD), 223023-0-0(OSB)	
	1A-105					XHL	6" o.c. (152 mm)	222825-0-0(E), 222826-0-0(I), 222827-0-0(DD), 223037-0-0(OSB)	
	1A-120					HL	6" o.c. (152 mm)	222813-0-0(E), 222814-0-0(I), 222815-0-0(DD), 223031-0-0(OSB)	
	1A-165					HL	6" o.c. (152 mm)	222951-0-0(E), 222952-0-0(I), 222954-0-0(DD), 223067-0-0(OSB)	

Insulation (ISO)
E = ENRGY 3®

Cover Boards
I = Invinsa® Roof Board
DD = DensDeck® Roof Board
OSB = Oriented Strand Board

Fastener and Plate
HL = High Load
XHL = Extra High Load
UF = UltraFast®

Notes

- Some assemblies require Grade E (80 ksi) steel and/or additional deck securement.
- Consult specific RoofNav assembly for construction detail.
- Deck must be FM Global approved.

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