



Codes and Approvals

FM Global® Approvals JM TPO Membrane Systems – Fully Adhered

Deck	Rating	Insulation	Cover Board	Insulation Attachment	Fastener Frequency or Adhesive Rate	Membrane Attachment	RoofNav SM
Steel	1A-60	E	I	UF	1 per 2 ft ² (0.19 m ²)	WB	219601-0-0
	1A-60	E	DD	UF	1 per 2 ft ² (0.19 m ²)	SB or WB	219604-0-0
	1A-60	E	I	UF	1 per 2 ft ² (0.19 m ²)	SB	219600-0-0
	1A-75	E (2" min)	–	UF	1 per 4 ft ² (0.37 m ²)	WB	219580-0-0
	1A-90	E (2" min)	–	UF	1 per 4 ft ² (0.37 m ²)	SB	225127-0-0
	1A-90	E (2" min)	–	UF	1 per 4 ft ² (0.37 m ²)	LVOC	225338-0-0
	1A-90	E (1½" min)	–	UF	1 per 2 ft ² (0.19 m ²)	WB	219592-0-0
	1A-105	E (1½" min)	–	UF	1 per 1.8 ft ² (0.17 m ²)	SB	223868-0-0
	1A-150	E (1½" min)	7/16" (1.11 cm) OSB	UF	1 per 1.8 ft ² (0.17 m ²)	SB	223985-0-0
Concrete	1A-150	E	DD or I	UIA	¾" (1.91 cm) ribbon 12" (30.48 cm) o.c.	SB or WB	219543-0-0 (DD) 219537-0-0 (I)
	1A-150	E	–	UIA		WB	219529-0-0
	1A-150	E	I	UIA		SB	219535-0-0
	1A-150	E	I	UIA		WB	219537-0-0
	1A-150	E	DD	UIA		SB or WB	219543-0-0
	1A-210	E	–	2P UIA		WB	219528-0-0
	1A-210	E	I	2P UIA		SB	219534-0-0
	1A-210	E	I	2P UIA		WB	219536-0-0
	1A-210	E	DD	2P UIA		SB or WB	219542-0-0
	1A-210	E	I	2P UIA		WB SB	219536-0-0 219534-0-0
	1A-435	E	–	2P UIA or UIA		SB	231279-0-0

Insulation

E = ENRGY 3®

Cover Board

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

Fastener

UF = UltraFast®

Adhesive

UIA = JM Urethane Insulation Adhesive
2P UIA = JM Two-Part Urethane Insulation Adhesive
SB = JM TPO Membrane Adhesive (Solvent Based)
WB = JM TPO Membrane Adhesive (Water Based)
LVOC = JM TPO Membrane Adhesive (Low VOC)

Notes

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

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**Contact JM Technical Services
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