



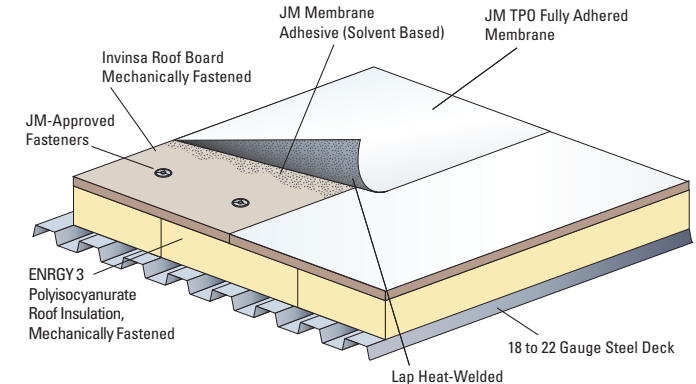
# Complete TPO Solutions – Fully Adhered

JM offers 5, 10, 15 and 20-year guarantees for new construction, complete tear-off or re-cover applications.



## TPO Membrane Systems – Fully Adhered

System	Term	Thickness	Spec
Best	20 year	60 or 80 mil	ST6RA, ST8RA
Better	15 year	60 mil	ST6RA
Good	5 or 10 year	45 mil	ST4RA



Note: Illustration does not directly represent any code approvals below.

Enhanced guarantees are now available on certain systems for wind, hail and puncture. Consult your local JM sales representative or tech services representative for more information about the new Single Ply Guarantee Charges Requirements Guide for specific guarantee terms and costs.

## FM Global® Approvals – Fully Adhered

Deck	Rating	Insulation	Cover Board	Insulation Attachment	Fastener Frequency	Membrane Attachment	RoofNav <sup>SM</sup> #
Steel	1A-60	E	DD or I	UF	1 per 2 ft <sup>2</sup> (0.19 m <sup>2</sup> )	SB or WB	219600-0-0, 219601-0-0, 219604-0-0
	1A-75	E (2" min.)	-	UF	1 per 4 ft <sup>2</sup> (0.37 m <sup>2</sup> )	WB	219580-0-0
	1A-90	E (2" min.)	-	UF	1 per 4 ft <sup>2</sup> (0.37 m <sup>2</sup> )	SB or LVOC	225127-0-0, 225338-0-0
	1A-90	E (1 1/2" min.)	-	UF	1 per 2 ft <sup>2</sup> (0.19 m <sup>2</sup> )	WB	219592-0-0
	1A-105	E (1 1/2" min.)	-	UF	1 per 1.8 ft <sup>2</sup> (0.17 m <sup>2</sup> )	SB	223868-0-0
	1A-150	E (1 1/2" min.)	7/16" (1.11 cm) OSB	UF	1 per 1.8 ft <sup>2</sup> (0.17 m <sup>2</sup> )	SB	223985-0-0
Concrete	1A-150	E	DD or I	UIA	3/4" (1.91 cm) ribbon 12" (30.48 cm) o.c.	SB or WB	219535-0-0, 219537-0-0, 219543-0-0
	1A-150		-	UIA		WB	219529-0-0
	1A-210		DD or I	2P UIA		SB or WB	219534-0-0, 219536-0-0, 219542-0-0
	1A-210		-	2P UIA		WB	219528-0-0
	1A-435		-	2P UIA or UIA		SB	231279-0-0

When searching in RoofNav (version 3) for a specific approval, be sure to indicate the mil thickness desired, i.e. JM TPO 60. To ensure FM approval, only use one of the indicated FM-approved systems.

## UL® Approval Summary – Fully Adhered

Deck	Class	Max. Slope in./ft (mm/m)	Insulation	Second Layer or Cover Board	Membrane Attachment
Noncombustible	A	1/2" (41.64)	E	WF, OSB	SB
	A	1/2" (41.64)	E (optional)	I	SB
	A	1/2" (41.64)	E	WF, OSB	WB
	A	1/2" (41.64)	E (optional)	I	WB
Combustible	A	3/4" (62.46)	-	DD	WB
	A	3/4" (62.46)	-	DD	SB

Insulation  
E = ENRGY 3®

Cover Board  
I = Invinsa® Roof Board  
WF = Wood Fiber  
DD = DensDeck® Roof Board  
OSB = Oriented Strand Board

Adhesive or Fastener  
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)  
UF = UltraFast® Fastener

### 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.

**JM TPO Membranes meet or exceed all of the requirements of ASTM D 6878.**

**Consult JM Technical Services at (800) 922-5922 for further information.**

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