



## Codes and Approvals

### UL® External Fire Resistance (UL 790) JM TPO Membrane Systems – Mechanically Fastened

Deck	Class	Max. Slope in./ft (mm/m)	Insulation	Second Layer or Cover Board	Special Conditions
Noncombustible	A	¾" (62.46)	E	WF, OSB	
	A	1" (83.28)	E (optional)	I	
Combustible	A	¾" (62.46)	–	–	Atlas Roofing FR-10 or VersaShield®. 2 layers for Class A
	A	2" (166.56)	–	DD	
	B	½" (41.64)	E	–	PermaPly® 28 nailed to deck

#### Insulation

E = ENRGY 3®

#### Cover Board

I = Invinsa™ Roof Board

DD = DensDeck®

WF = Wood Fiber

OSB = Oriented Strand Board

#### Notes

1. Some assemblies require Grade E (80 ksi) steel and/or additional deck securement.

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**Contact JM Technical Services  
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