



## Codes and Approvals

### UL® External Fire Resistance (UL 790) JM EPDM Membrane Systems – Fully Adhered

Deck	Class	Max. Slope in./ft (mm/m)	Insulation	Cover Board	Membrane	Membrane Attachment
<b>Noncombustible</b>	A	1" (83.28)	–	WF or DD (Optional)	45, 60 or 90 mil FR	SB
	A	1" (83.28)	E	WF or DD (Optional)	45, 60 or 90 mil FR	SB
	A	1" (83.28)	–	I, WF or DD (Optional)	45, 60 or 90 mil FR	SB
	A	1" (83.28)	E	I, WF or DD (Optional)	45, 60 or 90 mil FR	SB
	A	2" (166.56)	–	–	45 or 60 mil FR	SB
	A	2" (166.56)	–	I	45 or 60 mil FR	SB
	A	1" (83.28)	–	–	45, 60 or 90 mil FR	SB
	A	1" (83.28)	–	WF	45, 60 or 90 mil FR	SB
	A	1" (83.28)	Any	WF	45, 60 or 90 mil FR	SB
	A	1" (83.28)	E3 Plus over Any	WF or DD (Optional)	45, 60 or 90 mil FR	SB
	B	2" (166.56)	–	–	45 or 60 mil FR	SB
	B	2" (166.56)	–	E (Optional)	45 or 60 mil FR	SB
	B	1½" (124.92)	–	–	90 mil FR	SB
	B	1½" (124.92)	–	E (Optional)	90 mil FR	SB
	B	2" (166.56)	–	–	45 or 60 mil FR	SB
	B	2" (166.56)	–	WF	45 or 60 mil FR	SB
	B	2" (166.56)	Any	WF	45 or 60 mil FR	SB
	B	2" (166.56)	E3 Plus over Any	–	45 or 60 mil FR	SB
B	1" (83.28)	–	–	I	45 or 60 mil FR	WB

#### Insulation

E = ENRGY 3®  
E3 Plus = ENRGY 3® Plus  
Any = Any UL Classified

#### Cover Board

I = Invinsa™ Roof Board  
DD = DensDeck®\* Roof Board  
GYP = Gypsum Board  
WF = Wood Fiber Board

#### Membrane

FR = Nonreinforced

#### Membrane Attachment

SB = JM EPDM Bonding Cement (Solvent Based)  
WB = JM EPDM Bonding Cement (Water Based)

UL, FR-50 and DensDeck are registered trademarks of Underwriters Laboratories, Atlas Roofing Corporation and Georgia-Pacific LLC, respectively.

**Contact JM Technical Services  
for further information:  
(800) 922-5922**



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Deck	Class	Max. Slope in./ft (mm/m)	Insulation	Cover Board	Membrane	Membrane Attachment	Special Conditions
<b>Combustible</b>	A	2" (166.56)	Any	¼" (6.35 mm) DD or ½" (1.27 cm) GYP	45 or 60 mil FR	SB	
	A	½" (41.64)	–	–	45, 60 or 90 mil FR	SB	2 layers of Atlas Roofing FR-50™
	B	1" (83.28)	–	WF	45, 60 or 90 mil FR, 45 mil or 60 mil R	–	PermaPly 28 Base Sheet
	B	1" (83.28)	E	WF	45, 60 or 90 mil FR, 45 mil or 60 mil R	–	PermaPly 28 Base Sheet
	B	1" (83.28)	E	–	45, 60 or 90 mil FR, 45 mil or 60 mil R	–	PermaPly 28 Base Sheet

#### Insulation

E = ENRGY 3®  
E3 Plus = ENRGY 3® Plus  
Any = Any UL Classified

#### Cover Board

I = Invinsa™ Roof Board  
DD = DensDeck® Roof Board  
GYP = Gypsum Board  
WF = Wood Fiber Board

#### Membrane

FR = Nonreinforced  
R = Reinforced

#### Membrane Attachment

SB = JM EPDM Bonding Cement (Solvent Based)  
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