

JM Supported Products				
Attribute	JM	GP(1/2" min)	NG(1/2" min)	USG(1/2" min)
Mechanically Fastened	ProtectoR HD, SeparatoR CGF	DensDeck, Prime	DEXcell Glass-Mat, FA	SECUROCK Glass-Mat, Gyp Fiber
Adhered	ProtectoR HD	DD Prime	FA Glass-Mat	Gypsum Fiber
Thickness	1/2"	1/4", 1/2", 5/8"	1/4", 1/2", 5/8"	1/4", 3/8", 1/2", 5/8"
FM 1-90 w/ adhered reinforced membrane (# of fasteners)*	ProtectoR HD, SeparatoR CGF (8)	1/2" DensDeck (8), 5/8" StormX (4,6)	1/2" DEXcell Glass-Mat (8)	1/2" SECUROCK Glass-Mat (8)
Solar Compliant	ProtectoR HD	DensDeck, Prime	DEXcell Glass-Mat, FA, Cement	SECUROCK Glass-Mat, Gyp Fiber, Cement

*Pre-securement patterns vary widely between mfgs. and membrane types, please reference JM's Florida Building Code approvals at www.floridabuilding.org for more information.

ProtectoR HD Advantages

- At 80 psi ProtectoR HD can support 11,520 lbs per square foot!
- 675 SQs per truckload, 200-250 with gypsum
- 5x lighter, 5x R-value than gypsum
- ProtectoR HD is widely compatible with solar applications

Hail Riders

Hail (dia)	ProtectoR HD	DensDeck (1/2" min)	DEXcell (1/2" min)	SECUROCK (1/2" min)
1.5"	60 mil TPO 60 mil PVC 60 mil EPDM DynaLastic 180 or 250	60 mil TPO 60 mil PVC 60 mil EPDM DynaLastic 180, 250	60 mil TPO 60 mil PVC 60 mil EPDM DynaLastic 180, 250	60 mil TPO 60 mil PVC 60 mil EPDM DynaLastic 180, 250
2.0"	DynaLastic 180 or 250	60 mil TPO 60 mil PVC 60 mil EPDM DynaLastic 180, 250	60 mil TPO 60 mil PVC 60 mil EPDM DynaLastic 180, 250	60 mil TPO 60 mil PVC 60 mil EPDM DynaLastic 180, 250
2.5"		FB 115 TPO FB 80 PVC DynaLastic 180, 250	FB 115 TPO FB 80 PVC DynaLastic 180, 250	FB 115 TPO FB 80 PVC DynaLastic 180, 250
3.0"		FB 135 TPO DynaLastic 180, 250	FB 135 TPO DynaLastic 180, 250	FB 135 TPO DynaLastic 180, 250

FM Approvals				
Rating	ProtectoR HD	DensDeck	DEXcell	SECUROCK
Severe Hail	Thousands of approvals across all membrane types and manufacturers.			
Very Severe Hail (VSH)		DD StormX 5/8" 60, 80 mil TPO 60, 80 mil PVC FB 115, 135, 150 TPO (MF or adhered)	DEXcell FA VSH 5/8" 80 mil TPO FB 115, 135 TPO DynaWeld Cap, DynaGlas FR	

Competitive Comparison

Cover Board Competitive Comparison					
Attribute	JM	Carlisle	Elevate	GAF	Atlas
Class A over combustible deck	ProtectoR HD, Sep. CGF (1/2" slope)	SecurShield HD (1" slope)	*	Barrier, HD Barrier	No
FM 1-90 w/ adhered reinforced membrane (# of fasteners)	ProtectoR HD, Sep. CGF (8)	SecurShield HD (12)	ISOGARD HD (12)	*	ACFoam-HD (16)
Adhered in Hot Asphalt	Yes (set in HA)	No	No	No	No
FM approved as substrate board	Yes	No	No	No	No
Pre-securement in MF system	4	4	5	*	*
Composite Option	ProtectoR Foam	ISO, OSB, EPS	ISO, OSB	EG Ultra HD	ACFoam Nail Base

*Information Unavailable

ProtectoR HD Advantages

- ProtectoR HD can be adhered in hot asphalt
- FM approved as a substrate board direct to a steel deck
- Can achieve an FM 1-90 with fewest fasteners under an adhered reinforce membrane