



MECHANICALLY FASTENED PVC SYSTEMS OVER STEEL DECK - FM CODE APPROVALS

Deck Grade (ksi)	Assembly #	Thermal Barrier (Optional)	Vapor Barrier	Insulation	Cover Board	Membrane	Row Spacing (in)	Membrane Plates	Membrane Securement	Membrane Securement Rate (Fasteners: X ² OC)	Slope (X ² :1 ft)	Wind Uplift	External Fire (Class)	Hail Rating
80	210448-0-0	DD, DDP, DX FG, DX GM, SR GF	-	E3	I, IF, I FR, RP, DX C, DX FG, DX GM	PVC	72"	HL	HL	6"	1	150	A	SH
80	163562-0-0	DD, DDP, DX FG, DX GM, SR GF	-	E3	-	PVC	72"	HL	HL	6"	1	150	A	SH
33*	212511-0-0	-	-	E3	-	PVC	72"	HL	HL	6"	1	120	A	SH
33	172969-0-0	-	-	E3	I, IF, I FR, RP, DX C, DX FG, DX GM	PVC, SDP	72"	HL	HL	6"	1	90	A	SH
80	210446-0-0	DD, DDP, DX FG, DX GM, SR GF	-	E3	I, IF, I FR, RP, DX C, DX FG, DX GM	PVC	72"	HL	HL	12"	1	105	A	SH
80	163550-0-0	DD, DDP, DX FG, DX GM, SR GF	-	E3	-	PVC	72"	HL	HL	12"	1	105	A	SH
33*	244404-0-0	-	PE	E3*	-	PVC, SDP	72"	HL	HL	12"	1	90	A	SH
33*	212508-0-0	-	-	E3	-	PVC, SDP	72"	HL	HL	12"	1	90	A	SH
33	337063-0-0	-	PE	E3*	-	PVC, SDP	72"	HL	HL	12"	1	75	A	SH
33	337065-0-0	-	PE	E3	*DD, DDP, RP, DX C, DX FG, DX GM*	PVC, SDP	72"	HL	HL	12"	1	75	A	SH
80	163555-0-0	-	-	E3	-	PVC, SDP	72"	HL	HL	18"	1	90	A	SH
33	212505-0-0	-	-	E3	-	PVC, SDP	72"	HL	HL	18"	1	60	A	SH
33	159937-0-0	-	PE	E3*	-	PVC, SDP	72"	HLP	XHL	18"	1	90	A	SH
33	334972-0-0	-	-	E3	DD, RP, DX C, DX FG, DX GM, SR GM, SR GF	PVC, SDP	114"	HL	HL	6"	2	60	A	SH
80	330430-0-0	DX FG, DX GM, SR GF, DD, DDP	-	E3	-	PVC, SDP	114"	HL	HL	6"	1	90	A	SH
33	334764-0-0	-	PE	E3*	-	PVC, SDP	114"	HL	HL	12"	1	60	A	SH
33	335083-0-0	-	PE	E3*	DD, DDP, RP, DX C, DX FG, DX GM	PVC, SDP	114"	HLP	XHL	12"	1	60	A	SH
80	210449-0-0	-	-	E3	I, IF, I FR, RP, DX C, DX FG, DX GM	PVC	114"	HL	HL	6"	1	120	A	SH
33*	207177-0-0	-	-	E3	DD, RP, DX C, DX FG, DX GM, SR GM, SR GF	PVC	114"	XHD	XHD	6"	2	120	A	SH
80	160442-0-0	-	-	E3	DD, RP, DX C, DX FG, DX GM, SR GM, SR GF	PVC	72"	HL	HL	6"	2	120	A	SH
80	330478-0-0	DD, DDP, DX FG, DX GM, SR GF	-	E3	I, IF, I FR, RP, DX C, DX FG, DX GM	PVC, SDP	114"	HL	HL	6"	1	90	A	SH
80	330449-0-0	DD, DDP, DX FG, DX GM, SR GF	-	E3	DD, RP, DX C, DX FG, DX GM, SR GM, SR GF	PVC, SDP	114"	HL	HL	6"	2	90	A	SH
33*	222683-0-0	-	-	E3	DD, RP, DX C, DX FG, DX GM, SR GM, SR GF	PVC, SDP	114"	HL	HL	6"	2	90	A	SH

* Mechanically fastened insulation, or cover board at a rate of 1 fastener/plate per 2 ft²

Application Type

N New Roof
RC Re-Cover
RR Re-Roof

Membrane

PVC JM PVC (KEE)
PVC FB JM PVC (KEE) FB
SDP JM PVC SD Plus

Thermal Barrier / Insulation / Cover Board

E3 ENRGY 3[®] (All facers)
I Invinso[®] Roof Board
IF Invinso Foam[®] Roof Board
I FR Invinso[®] FR Roof Board
RP RetroPlus™
SR C JM[®] SECUROCK[®] Cement Roof Board
SR GM JM[®] SECUROCK[®] Glass-Mat Roof Board
SR GF JM[®] SECUROCK[®] Gypsum-Fiber Roof Board
DD JM[®] DensDeck[®]
DDP JM[®] DensDeck[®] Prime
DX C JM[®] DEXcell[®] Cement Roof Board
DX FG JM[®] DEXcell[®] FA Glass Mat Roof Board
DX GM JM[®] DEXcell[®] Glass Mat Roof Board

Fastener and Plate

HL High Load
HLP High Load Plus
XHL Extra High Load
RhP RhinoPlate[®]
UF UltraFast[®]
XHD OMG Super XHD Screw

Adhesive

LVOC Low VOC
SB Solvent Based
WB Water Based
2PU1A Two-Part Urethane Insulation Adhesive
MBR BA MBR[®] Bonding Adhesive
RSUA JM Roofing System Urethane Adhesive
1S JM One-Step Foamable Adhesive
HA Hot Asphalt
AD Adhered

Vapor Barrier

AB JM APP Base
ABP JM APP Base Plus
DG DynaGrip[®] Base SD/SA
GP GlasPly[®] IV
GPP GlasPly[®] Premier
VB SA JM Vapor Barrier SA
DB DynaBase[®]
DBH DynaBase[®] HW
DWB DynaWeld™ Base
PE Polyethylene (4 or 6 mil)

Notes

- All E3 insulation for new roofs is 1.5" min unless otherwise listed. Re-Cover insulation thickness varies by approval. Please check individual listings.
- Other adhesives may be available in the referenced approvals. Please check listing for all adhesive options.
- All approvals listed apply to the field roof area.

33* 920-16ga 33ksi 72" joist), (22ga 33 ksi 48" joist), (22ga 80ksi 72" joist)

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