



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 ^o C)	Slope (X ^o :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	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	72"	HL	HL	12"	1	90	A	SH
33†	212508-0-0	-	-	E3	-	PVC	72"	HL	HL	12"	1	90	A	SH
33	337063-0-0	-	PE	E3*	-	PVC	72"	HL	HL	12"	1	75	A	SH
33	337065-0-0	-	PE	E3	*DD, DDP, RP, DX C, DX FG, DX GM*	PVC	72"	HL	HL	12"	1	75	A	SH
80	163555-0-0	-	-	E3	-	PVC	72"	HL	HL	18"	1	90	A	SH
33	212505-0-0	-	-	E3	-	PVC	72"	HL	HL	18"	1	60	A	SH
33	159937-0-0	-	PE	E3*	-	PVC	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
†(20-16ga 33ksi 72" joist), (22ga 33 ksi 48" joist), (22ga 80ksi 72" joist)

Application Type	Thermal Barrier / Insulation / Cover Board	Fastener and Plate	Adhesive	Vapor Barrier
N New Roof	E3 ENRGY 3 ^o (All facers)	HL High Load	LVOC Low VOC	AB JM APP Base
RC Re-Cover	I Invinsa ^o Roof Board	HLP High Load Plus	SB Solvent Based	ABP JM APP Base Plus
RR Re-Roof	IF Invinsa Foam ^o Roof Board	XHL Extra High Load	WB Water Based	DG DynaGrip ^o Base SD/SA
	I FR Invinsa ^o FR Roof Board	RhP RhinoPlate ^o	2PU1A Two-Part Urethane Insulation Adhesive	GPP GlasPly ^o IV
Membrane	RP RetroPlus ^o	UF UltraFast ^o	MBR BA MBR ^o Bonding Adhesive	GP GlasPly ^o Premier
PVC JM PVC (KEE)	SR C JM ^o SECUROCK ^o Cement Roof Board	XHD OMG Super XHD Screw	RSUA JM Roofing System Urethane Adhesive	VB SA JM Vapor Barrier SA
PVC FB JM PVC (KEE) FB	SR GM JM ^o SECUROCK ^o Glass-Mat Roof Board		1S JM One-Step Foamable Adhesive	DB DynaBase ^o
SDP JM PVC SD Plus	SR GF JM ^o SECUROCK ^o Gypsum-Fiber Roof Board		HA Hot Asphalt	DBH DynaBase ^o HW
	DD JM ^o DensDeck ^o		AD Adhered	DWB DynaWeld ^o Base
	DDP JM ^o DensDeck ^o Prime			PE Polyethylene (4 or 6 mil)
	DX C JM ^o DEXcell ^o Cement Roof Board			
	DX FG JM ^o DEXcell ^o FA Glass Mat Roof Board			
	DX GM JM ^o DEXcell ^o Glass Mat Roof Board			

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.

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