



# MECHANICALLY FASTENED INSULATION/ADHERED PVC SYSTEM OVER STEEL DECK FM CODE APPROVALS

Application Type	Assembly #	Thermal Barrier / Insulation / Cover Board	Thermal Barrier Securement	Thermal Barrier Securement Rate (Fastener #/ft <sup>2</sup> )	Vapor Barrier	Insulation	Insulation Securement	Insulation Securement Rate (Fastener #/ft <sup>2</sup> or Ribbons: X"OC)	Cover Board	Cover Board Securement	Cover Board Securement Rate (Fastener #/ft <sup>2</sup> or Ribbons: X"OC)	Membrane	Membrane Securement	Membrane Securement Rate (FA) or (Ribbons: X"OC)	Slope (X":1 ft)	Wind Uplift (PSF)	External Fire (Class)	Hail Rating
RC	354042-0-0	-	-	-	-	-	-	-	I, I FR	UF	1:2	PVC	LVOC	FA	1	90	A	SH
N	318004-0-0	-	-	-	-	E3	-	-	I, I FR	UF	1:2	PVC	LVOC	FA	1	90	A	SH
RC	318014-0-0	-	-	-	-	E3	-	-	I, I FR	UF	1:2	PVC	LVOC	FA	1	90	A	SH
N	311963-0-0	-	-	-	-	E3	-	-	SR GF**	UF	1:2.67	PVC	WB, LVOC	FA	3	90	A	SH
RC	349745-0-0	-	-	-	-	-	-	-	SR GF**	UF	1:2.67	PVC	WB, LVOC	FA	3	90	A	SH
N	311961-0-0	-	-	-	-	E3	-	-	SR GF***	UF	1:4	PVC	LVOC	FA	3	90	A	SH
RC	349742-0-0	-	-	-	-	-	-	-	SR GF***	UF	1:4	PVC	LVOC	FA	3	90	A	SH
N	397677-0-0	-	-	-	-	E3	-	-	DX FA***	UF	1:4	PVC FB	WB	FA	3	90	A	SH
N	395218-0-0	-	-	-	-	E3	-	-	DX FA	UF	1:3.2	PVC FB	WB	FA	3	90	A	SH
N	396171-0-0	SR GF	-	-	VB SA	E3	-	-	SR GF***	UF	1:4	PVC	WB, LVOC	FA	3	90	A	SH
N	311949-0-0	-	-	-	-	E3	-	-	SR GF	UF	1:1.33	PVC	LVOC	FA	3	105	A	SH
RC	349736-0-0	-	-	-	-	-	-	-	SR GF	UF	1:1.33	PVC	LVOC	FA	3	105	A	SH
N	314678-0-0	-	-	-	-	E3	-	-	SR GF	UF	1:1.33	PVC FB	WB	FA	3	105	A	SH
N	396166-0-0	-	-	-	-	E3	-	-	SR GF	UF	1:1.33	PVC FB	RSUA	12"	0.5	105	A	SH
N	311952-0-0	-	-	-	-	E3	-	-	SR GF	UF	1:1	PVC	LVOC	FA	3	120	A	SH
RC	349737-0-0	-	-	-	-	-	-	-	SR GF	UF	1:1	PVC	LVOC	FA	3	120	A	SH
N	396167-0-0	-	-	-	-	E3	-	-	SR GF	UF	1:1	PVC FB	RSUA	12"	0.5	120	A	SH
N	314614-0-0	-	-	-	-	E3	-	-	SR GF	UF	1:1	PVC FB	WB	FA	3	120	A	SH
N	399522-0-0	DX FA	-	-	VB SA	E3	-	-	DX FA**	UF	1:1	PVC FB	RSUA	4"	1	165	A	SH
N	399524-0-0	DX FA	-	-	VB SA	E3	-	-	DX FA**	UF	1:1	PVC FB	RSUA	4"	1	285	A	SH

\* min 2.0"

\*\* 0.375" min

\*\*\*1/2" min



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N	268259-0-0	-	-	-	-	E3*	UF	1:4	I	2PUIA	12"	PVC	LVOC	FA	1	90	A	SH
N	268260-0-0	-	-	-	-	E3	UF	1:2	I	2PUIA	12"	PVC	LVOC	FA	1	90	A	SH
N	311958-0-0	-	-	-	-	E3*	UF	1:4	SR GF	2PUIA	12"	PVC	WB, LVOC	FA	3	90	A	SH
N	324721-0-0	-	-	-	-	E3	UF	1:2	RP	2PUIA, RSUA	12"	PVC	WB, LVOC	FA	1	90	A	SH
N	396165-0-0	-	-	-	-	E3*	UF	1:4	SR GF	HA, 2PUIA, RSUA, 1S	12"	PVC FB	HA	FA	1	90	A	SH
N	396142-0-0	-	-	-	-	E3*	UF	1:4	SR GF	HA, 2PUIA, RSUA, 1S	12"	PVC FB	WB	FA	3	90	A	SH
N	396141-0-0	-	-	-	-	E3*	UF	1:4	SR GF	HA, 2PUIA, RSUA, 1S	12"	PVC FB	RSUA	12"	0.5	90	A	SH
N	393927-0-0	-	-	-	-	E3	UF	1:2	DX C, DX FA	2PUIA	12"	PVC FB	WB	FA	3	90	A	SH
N	311958-0-0	-	-	-	-	E3*	UF	1:4	SR GF	2PUIA	12"	PVC	WB, LVOC	FA	3	90	A	SH
N	311957-0-0	-	-	-	-	E3	UF	1:1.33	SR GF	2PUIA	12"	PVC	WB, LVOC	FA	3	105	A	SH
N	314687-0-0	-	-	-	-	E3	UF	1:1.33	SR GF	2PUIA	12"	PVC FB	WB	FA	3	105	A	SH
N	396153-0-0	-	-	-	-	E3	UF	1:1.78	SR GF	2PUIA, RSUA	6"	PVC FB	WB	FA	3	120	A	SH
N	396152-0-0	-	-	-	-	E3	UF	1:1.78	SR GF	2PUIA, RSUA	6"	PVC FB	RSUA	12"	0.5	120	A	SH
N	396154-0-0	-	-	-	-	E3	UF	1:1.78	SR GF	2PUIA, RSUA	6"	PVC	LVOC	FA	3	120	A	SH
N	339704-0-0	-	-	-	-	E3	UF	1:1	I, SR GF	2PUIA, RSUA	6"	PVC FB	RSUA	12"	0.5	135	A	SH
N	397739-0-0	DX C, DX FA	UF	1:4	VB SA	E3	2PUIA, RSUA	12"	DX C, DX FA	2PUIA, RSUA	12"	PVC FB	WB	FA	3	90	A	SH
N	393924-0-0	SR GF	UF	1:4	DB, GP, GPP	E3	2PUIA, RSUA, 1S	12"	DX C, DX FA	2PUIA	12"	PVC FB	WB	FA	3	90	A	SH
N	393923-0-0	SR GF	UF	1:4	DG	E3	2PUIA	12"	DX C, DX FA	2PUIA	12"	PVC FB	WB	FA	3	90	A	SH
N	350427-0-0	SR GF	UF	1:4	DG	E3	FA, 2PUIA, RSUA	12"	I, SR GF	2PUIA, RSUA	12"	PVC FB	RSUA	12"	0.5	90	A	SH
N	392370-0-0	SR GF	UF	1:4	VB SA	E3	2PUIA, RSUA	12"	I, SR GF	2PUIA, RSUA	12"	PVC FB	RSUA	12"	0.5	90	A	SH

\* min 2.0"



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N	227697-0-0	-	-	-	-	E3*	UF	1:4	-	-	-	PVC	WB, LVOC	FA	1	90	A	SH
N	227698-0-0	-	-	-	-	E3	UF	1:2	-	-	-	PVC	WB, LVOC	FA	1	90	A	SH
N	227686-0-0	-	-	-	-	E3	UF	1:1.78	-	-	-	PVC FB	HA	FA	1	105	A	SH
N	378937-0-0	SR GF	UF	1:4	VB SA	E3	2PUIA, RSUA	12"	-	-	-	PVC	WB, LVOC	FA	1	90	A	SH
N	394080-0-0	DX FA	UF	1:4	VB SA	E3	2PUIA, RSUA	12"	-	-	-	PVC FB	WB	FA	1	90	A	SH
N	394077-0-0	DX FA	UF	1:4	VB SA	E3	2PUIA, RSUA	12"	-	-	-	PVC	WB, LVOC	FA	1	90	A	SH
N	378945-0-0	SR GF	UF	1:4	DB, GP, GPP	E3	2PUIA	12"	-	-	-	PVC FB	WB	FA	1	90	A	SH
N	227702-0-0	-	-	-	-	E3	UF	1:1.78	-	-	-	PVC	LVOC	FA	1	105	A	SH
N	386549-0-0	-	-	-	-	*E3, CGF, E3 FR, IF*	UF	1:2.67	-	-	-	SDP	LVOC	FA	1	105	A	SH

\* min 2.0"

#### 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 <sup>®</sup> (All facers)
I	Invinsa <sup>®</sup> Roof Board
IF	Invinsa Foam <sup>®</sup> Roof Board
I FR	Invinsa <sup>®</sup> FR Roof Board
RP	RetroPlus <sup>™</sup>
SR C	JM <sup>®</sup> SECUROCK <sup>®</sup> Cement Roof Board
SR GM	JM <sup>®</sup> SECUROCK <sup>®</sup> Glass-Mat Roof Board
SR GF	JM <sup>®</sup> SECUROCK <sup>®</sup> Gypsum-Fiber Roof Board
DD	JM <sup>®</sup> DensDeck <sup>®</sup>
DDP	JM <sup>®</sup> DensDeck <sup>®</sup> Prime
DX C	JM <sup>®</sup> DEXcell <sup>®</sup> Cement Roof Board
DX FA	JM <sup>®</sup> DEXcell <sup>®</sup> FA Glass Mat Roof Board
DX GM	JM <sup>®</sup> DEXcell <sup>®</sup> Glass Mat Roof Board

#### Fastener and Plate

HL	High Load
HLP	High Load Plus
XHL	Extra High Load
RhP	RhinoPlate <sup>®</sup>
UF	UltraFast <sup>®</sup>
XHD	OMG Super XHD Screw

#### Adhesive

LVOC	Low VOC
SB	Solvent Based
WB	Water Based
2PUIA	Two-Part Urethane Insulation Adhesive
MBR BA	MBR <sup>®</sup> Bonding Adhesive
RSUA	JM Roofing System Urethane Adhesive
1S	JM One-Step Foamable Adhesive
HA	Hot Asphalt
FA	Full Application

#### Vapor Barrier

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

#### Notes

1. GP & GPP requires one or two plies. See RoofNav for details.
2. All E3 insulation for new roofs is 1.5" min unless otherwise listed. Re-Cover insulation thickness varies by approval. Please check individual listings.
3. Other adhesives may be available in the referenced approvals. Please check listing for all adhesive options.
4. All approvals listed apply to the field roof area.

This is intended to serve as a reference guide, please check RoofNav for the most current information and assembly details.

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