



ADHERED TPO SYSTEMS OVER CONCRETE DECK

FM CODE APPROVALS

Application Type	Assembly #	Vapor SBrrier	Insulation	Insulation Securement	Insulation Securement Rate (Ribbons:X" OC)	Cover Board	Cover Board Securement	Cover Board Securement Rate (Ribbons:X" OC)	Membrane Securement	Membrane Securement Rate (FA or Ribbons:X" OC)	Membrane	Slope (X":1 ft)	Wind Uplift	External Fire (Class)	Hail Rating
N	410585-0-0	-	E3, SP CGF	HA	FA	-	-	-	HA	FA	TPO FB 150	0.25	90	A	SH
N	410647-0-0	DG	E3, SP CGF	2PUIA, 2PUIA C	12"	-	-	-	HA	FA	TPO FB 150	0.25	90	A	SH
N	391160-0-0	VB SA	E3	2PUIA, RSUA	12"	SR	2PUIA	FA	LVOC/ 1168	FA	TPO	1.00	135	A	SH
N	394028-0-0	VB SA	E3	2PUIA, RSUA	12"	DX C, DX FG	2PUIA	FA	-	FA	TPO SA	2.00	135	A	SH
N	279450-0-1	AB, ABP	E3		12"	I		FA	HA	FA	TPO FB 150			A	SH
N	279450-0-2	DBH	E3		12"	I		FA	HA	FA	TPO FB 150			A	SH
N	279450-0-3	DG	E3		12"	I		FA	HA	FA	TPO FB 150			A	SH
N	279450-0-4	BUR	E3		12"	I		FA	HA	FA	TPO FB 150			A	SH
N	279450-0-5	VB SA	E3		12"	I		FA	HA	FA	TPO FB 150			A	SH
N	279450-0-6	AB, ABP	E3		12"	I		-	RSUA	RA	TPO FB 115			A	SH
N	279450-0-7	DBH, DWB	E3		12"	I		-	RSUA	RA	TPO FB 115			A	SH
N	397557-0-0	VB SA	E3	2PUIA, RSUA	12"	SR	2PUIA	FA	SB	FA	TPO	1.50	135	A	SH
N	410759-0-0	BUR, DB	E3	HA,RSUA, 2PUIA	12"	DX FG	2PUIA	FA	HA	FA	TPO FB 150	0.75	135	A	SH
N	339727-0-0	-	E3	2PUIA, RSUA, 1S, 2PUIA C	12"	I, PR HD, SR GF	2PUIA, RSUA, 1S, 2PUIA C	12"	RSUA	FA 12"	TPO FB	0.50	135	A	SH
N	428963-0-0	-	E3	2PUIA, RSUA, 1S, 2PUIA C	12"	I, PR HD, SR GF	2PUIA, RSUA, 1S, 2PUIA C	12"	2PUIA C	Spatter	TPO FB	1.50	135	A	SH
N	361265-0-0	DG	E3	2PUIA	12"	I, PR HD	1S	FA	TPO WB	FA	TPO	0.75	150	A	SH
N	279451-0-0	DB, DBH, DB PR, AB, ABP	E3	2PUIA, 2PUIA C	12"	I, PR HD	1S	12"	SA	SA	TPO SA	0.50	150	A	SH
N	279337-0-0	DG	E3	2PUIA, 2PUIA C	12"	I, PR HD	1S	12"	SA	SA	TPO SA	0.50	150	A	SH
N	361240-0-0	-	E3	1S	12"	I, PR HD	1S	12"	WB	FA	TPO	0.75	150	A	SH
N	361265-0-0	DG	E3	2PUIA, 2PUIA C	12"	I, PR HD	1S	12"	WB	FA	TPO	0.75	150	A	SH
N	361268-0-0	DB, DBH, DB PR, AB, ABP	E3	2PUIA, 2PUIA C	12"	I, PR HD	1S	12"	WB	FA	TPO	0.75	150	A	SH
N	397067-0-0	-	E3	1S	12"	I, PR HD	1S	12"	MB, SA	FA, SA	TPO, TPO SA	0.50	150	A	SH
N	397072-0-0	DG	E3	2PUIA, 2PUIA C	12"	I, PR HD	1S	12"	MB, SA	FA, SA	TPO, TPO SA	0.50	150	A	SH
N	-	-	E3	2PUIA	12"	-	-	-	RSUA	RA	TPO FB 115			A	SH
N	397074-0-0	DB, DBH, DB PR, AB, ABP	E3	2PUIA, 2PUIA C	12"	I, PR HD	1S	12"	MB, SA	FA, SA	TPO, TPO SA	0.50	150	A	SH
N	279267-0-0	DG	E3	2PUIA	12"	-	-	-	-	FA	TPO SA	0.25	210	A	SH

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FM CODE APPROVALS

Application Type	Assembly #	Vapor SBrrier	Insulation	Insulation Securement	Insulation Securement Rate (Ribbons:X" OC)	Cover Board	Cover Board Securement	Cover Board Securement Rate (Ribbons:X" OC)	Membrane Securement	Membrane Securement Rate (FA or Ribbons:X" OC)	Membrane	Slope (X":1 ft)	Wind Uplift	External Fire (Class)	Hail Rating
N	279331-0-0	DG	E3	2PUIA, RSUA	12"	I, PR HD	2PUIA, 1S, RSUA	FA	-	FA	TPO SA	0.50	210	A	SH
N	279444-0-0	AB, ABP,DBH, DWB	E3	2PUIA	12"	-	-	-	-	FA	TPO SA	0.25	210	A	SH
N	279450-0-0	AB, ABP,DB, DBH	E3	2PUIA	12"	I, PR HD	2PUIA	FA	-	FA	TPO SA	0.50	210	A	SH
N	361288-0-0	DG	E3	2PUIA	12"	SR	HA, 2PUIA, 1S	FA	TPO WB	FA	TPO FB 115	2.00	210	A	SH
N	361289-0-0	AB, ABP	E3	2PUIA	12"	SR	HA, 2PUIA, 1S	FA	TPO WB	FA	TPO FB 115	2.00	210	A	SH
N	361314-0-0	AB, ABP,DBH, DWB	E3	2PUIA	12"	SR	2PUIA, 1S, RSUA	FA	TPO WB	FA	TPO/ TPO SA	2.00	210	A	SH
N	391139-0-0	AB, ABP	E3	2PUIA	12"	SR	2PUIA	FA	LVOC/ 1168	FA	TPO	1.00	210	A	SH
N	391147-0-0	DG	E3	2PUIA	12"	SR	2PUIA, 1S, RSUA	FA	LVOC/ 1168	FA	TPO	1.00	210	A	SH
N	394026-0-0	AB, ABP,DBH, DWB	E3	2PUIA	12"	DX C, DX FG	2PUIA	FA	-	FA	TPO SA	2.00	210	A	SH
N	394027-0-0	DG	E3	2PUIA	12"	DX C, DX FG	2PUIA	FA	-	FA	TPO SA	2.00	210	A	SH
N	396779-0-0	DBH, DWB	E3	2PUIA	12"	SR	2PUIA, 1S	FA	TPO WB	FA	TPO FB 115	2.00	210	A	SH
N	396780-0-0	VB SA	E3	2PUIA, RSUA	12"	SR	2PUIA, 1S, RSUA	FA	TPO WB	FA	TPO FB 115	2.00	210	A	SH
N	396787-0-0	VB SA	E3	2PUIA, RSUA	12"	I, PR HD	2PUIA, 1S, RSUA	FA	-	FA	TPO SA	0.50	210	A	SH
N	396789-0-0	AB, ABP,DBH, DWB	E3	2PUIA	12"	I, PR HD	2PUIA, 1S, RSUA	FA	-	FA	TPO SA	0.50	210	A	SH
N	397071-0-0	DG	E3	2PUIA	12"	I, PR HD	2PUIA, 1S, RSUA	FA	SB	FA	TPO	0.50	210	A	SH
N	397529-0-0	AB, ABP,DBH, DWB	E3	2PUIA, RSUA	12"	SR	2PUIA, 1S, RSUA	FA	SB	FA	TPO	1.50	210	A	SH
N	397539-0-0	DG	E3	2PUIA	12"	SR	2PUIA, 1S, RSUA	FA	SB	FA	TPO	1.50	210	A	SH
N	410752-0-0	DG	E3	2PUIA	12"	DX FG	2PUIA	FA	HA	FA	TPO FB 150	0.75	210	A	SH
N	410754-0-0	AB, ABP	E3	2PUIA	12"	DX FG	2PUIA	FA	HA	FA	TPO FB 150	0.75	210	A	SH
N	397085-0-0	VB SA	E3	2PUIA, 2PUIA C, RSUA	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	MB, SA	FA, SA	TPO, TPO SA	0.50	210	A	SH
N	397073-0-0	DB, DBH, DB PR, AB, ABP	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	MB, SA	FA, SA	TPO, TPO SA	0.50	210	A	SH
N	397071-0-0	DG	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	MB, SA	FA, SA	TPO, TPO SA	0.50	210	A	SH
N	396789-0-0	DB, DBH, DB PR, AB, ABP	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	SA	SA	TPO SA	0.50	210	A	SH
N	397066-0-0	-	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	MB, SA	FA, SA	TPO, TPO SA	0.50	210	A	SH
N	396787-0-0	VB SA	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	SA	SA	TPO SA	0.50	210	A	SH
N	361264-0-0	DG	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	WB	FA	TPO	0.75	210	A	SH
N	361267-0-0	DB, DBH, DB PR, AB, ABP	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	WB	FA	TPO	0.75	210	A	SH



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N	279450-0-0	DB, DBH, DB PR, AB, ABP	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C	12"	SA	SA	TPO SA	0.50	210	A	SH
N	279331-0-0	DG	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	SA	SA	TPO SA	0.50	210	A	SH
N	219536-0-0	-	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	SA	SA	TPO SA	0.50	210	A	SH
N	361239-0-0	-	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	WB	FA	TPO	0.75	210	A	SH
N	340561-0-0	VB SA	E3	2PUIA	12"	-	-	-	RSUA	RA 4"	TPO FB 115	0.50	225	A	SH
N	391096-0-0	DG	E3	2PUIA	12"	-	-	-	RSUA	RA	TPO FB 115	0.50	225	A	SH
N	391098-0-0	DG	E3	2PUIA	12"	I, PR HD, SR	2PUIA, 1S, RSUA	-	RSUA	RA	TPO FB 115	0.50	225	A	SH
N	391989-0-0	VB SA	E3	2PUIA, RSUA	12"	I, PR HD, SR	2PUIA, 1S, RSUA	-	RSUA	RA 4"	TPO FB 115	0.50	225	A	SH
N	396781-0-0	AB, ABP	E3	2PUIA	12"	SR	2PUIA, 1S, RSUA	-	RSUA	RA 4"	TPO FB 115	0.50	225	A	SH
N	396782-0-0	DBH, DWB	E3	2PUIA	12"	SR	2PUIA, 1S, RSUA	-	RSUA	RA 4"	TPO FB 115	0.50	225	A	SH
N	414796-0-0	DBH, DWB	E3	2PUIA	12"	-	-	-	RSUA	RA 4"	TPO FB 115	0.50	225	A	SH
N	396783-0-0	-	E3	2PUIA, 2PUIA C, RSUA	12"	I, PR HD, SR GF	2PUIA, 2PUIA C, RSUA, 1S	12"	RSUA	RA 4"	TPO FB	0.50	225	A	SH
N	391098-0-0	DG	E3	2PUIA, 2PUIA C	12"	I, PR HD, SR GF	2PUIA, 2PUIA C, RSUA, 1S	12"	RSUA	RA 4"	TPO FB	0.50	225	A	SH
N	-	-	E3	-	12"	I	-	-	RSUA	RA	-	-	-	A	SH
N	391989-0-0	VB SA	E3	2PUIA, 2PUIA C, RSUA	12"	I, PR HD, SR GF	2PUIA, 2PUIA C, RSUA, 1S	12"	RSUA	RA 4"	TPO FB	0.50	225	A	SH
N	429021-0-0	DG	E3	2PUIA, 2PUIA C	12"	I, PR HD, SR GF	2PUIA, 2PUIA C, RSUA, 1S	12"	2PUIA C	Spatter	TPO FB	0.25	225	A	SH
N	429022-0-0	VB SA	E3	2PUIA, 2PUIA C, RSUA	12"	I, PR HD, SR GF	2PUIA, 2PUIA C, RSUA, 1S	12"	2PUIA C	Spatter	TPO FB	0.25	225	A	SH
N	397775-0-0	DBH	E3	2PUIA, RSUA	12"	DX C, DX FG	2PUIA, RSUA	FA	-	FA	TPO SA	2.00	240	A	SH
N	410764-0-0	DBH	E3	2PUIA, RSUA	12"	DX FG	2PUIA, RSUA	FA	HA	FA	TPO FB 150	0.75	240	A	SH
N	391099-0-0	DBH, DWB	E3	2PUIA	12"	-	-	-	LVOC/ 1168	FA	TPO	0.25	345	A	SH
N	391945-0-0	DBH, DWB	E3	2PUIA	12"	-	-	-	TPO WB	FA	TPO FB 115	0.75	345	A	SH
N	396784-0-0	DBH, DWB	E3	2PUIA, RSUA	12"	I, PR HD	2PUIA, 1S, RSUA	FA	TPO WB	FA	TPO FB 115	0.75	345	A	SH
N	397065-0-0	DBH, DWB	E3	2PUIA	12"	-	-	-	SB	FA	TPO	0.50	345	A	SH
N	410734-0-0	DBH, DWB	E3	2PUIA	12"	-	-	-	HA	FA	TPO FB 150	0.25	345	A	SH
N	361263-0-0	DG	E3	2PUIA	12"	I, PR HD	2PUIA, 1S, RSUA	FA	TPO WB	FA	TPO FB 115	0.75	360	A	SH
N	361266-0-0	AB, ABP	E3	2PUIA	12"	I, PR HD	2PUIA, 1S, RSUA	FA	TPO WB	FA	TPO FB 115	0.75	360	A	SH
N	391175-0-0	AB, ABP	E3	2PUIA	12"	-	-	-	LVOC/ 1168	FA	TPO	0.25	360	A	SH

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Application Type	Assembly #	Vapor SBrrier	Insulation	Insulation Securement	Insulation Securement Rate (Ribbons:X" OC)	Cover Board	Cover Board Securement	Cover Board Securement Rate (Ribbons:X" OC)	Membrane Securement	Membrane Securement Rate (FA or Ribbons:X" OC)	Membrane	Slope (X":1 ft)	Wind Uplift	External Fire (Class)	Hail Rating
N	410654-0-0	AB, ABP	E3	2PUIA	12"	-	-	-	HA	FA	TPO FB 150	0.25	360	A	SH
N	392366-0-0	VB SA	E3	2PUIA, 2PUIA C, RSUA	12"	I, PR HD	2PUIA, 2PUIA C	12"	WB	FA	TPO FB	0.75	360	A	SH
N	361266-0-0	AB, ABP	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	WB	FA	TPO FB	0.75	360	A	SH
N	361249-0-0	-	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	WB	FA	TPO FB	0.75	360	A	SH
N	361263-0-0	DG	E3	2PUIA, 2PUIA C	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	WB	FA	TPO FB	0.75	360	A	SH
N	361384-0-0	DG	E3	2PUIA	12"	-	-	-	TPO WB	FA	TPO FB 115	0.75	375	A	SH
N	361391-0-0	AB, ABP	E3	2PUIA	12"	-	-	-	TPO WB	FA	TPO FB 115	0.75	375	A	SH
N	373526-0-0	VB SA	E3	2PUIA, RSUA	12"	-	-	-	TPO WB	FA	TPO FB 115	0.75	375	A	SH
N	396786-0-0	VB SA	E3	2PUIA, RSUA	12"	I, PR HD	2PUIA, 1S, RSUA	FA	TPO WB	FA	TPO	0.75	375	A	SH
N	396788-0-0	VB SA	E3	2PUIA, RSUA	12"	I, PR HD	2PUIA, 1S, RSUA	FA	TPO WB	FA	TPO FB 115	0.75	375	A	SH
N	396786-0-0	VB SA	E3	2PUIA, 2PUIA C, RSUA	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	WB	FA	TPO	0.75	375	A	SH
N	396788-0-0	VB SA	E3	2PUIA, 2PUIA C, RSUA	12"	I, PR HD	2PUIA, 2PUIA C, RSUA, 1S	12"	WB	FA	TPO FB	0.75	375	A	SH
N	361386-0-0	DG	E3	2PUIA	12"	-	-	-	TPO WB	FA	TPO	0.50	390	A	SH
N	361393-0-0	AB, ABP,DBH, DWB	E3	2PUIA	12"	-	-	-	TPO WB	FA	TPO	0.50	390	A	SH
N	373523-0-0	VB SA	E3	2PUIA	12"	-	-	-	TPO WB	FA	TPO	0.50	390	A	SH
N	373520-0-0	VB SA	E3	2PUIA	12"	-	-	-	LVOC/ 1168	FA	TPO	0.25	435	A	SH
N	391172-0-0	DG	E3	2PUIA	12"	-	-	-	LVOC/ 1168	FA	TPO	0.25	435	A	SH
N	397029-0-0	DG	E3	2PUIA	12"	-	-	-	SB	FA	TPO	0.50	435	A	SH
N	397030-0-0	AB, ABP	E3	2PUIA	12"	-	-	-	SB	FA	TPO	0.50	435	A	SH
N	397032-0-0	VB SA	E3	2PUIA	12"	-	-	-	SB	FA	TPO	0.50	435	A	SH
N	410649-0-0	DG	E3	2PUIA	12"	-	-	-	HA	FA	TPO FB 150	0.25	435	A	SH
N	410733-0-0	VB SA	E3	2PUIA, RSUA	12"	-	-	-	HA	FA	TPO FB 150	0.25	435	A	SH
N	438008-0-0	-	-	-	-	PR HD	2PUIA, 2PUIA C	12"	WB	FA	TPO	0.75	480	A	SH
N	438009-0-0	-	-	-	-	PR HD	2PUIA, 2PUIA C	12"	WB	FA	TPO FB	0.75	480	A	SH



ADHERED TPO SYSTEMS OVER CONCRETE DECK

FM CODE APPROVALS

Application Type

N New Roof
RC Re-Cover
RR Re-Roof

Membrane

TPO JM TPO
TPO SA JM TPO SA
TPO FB 115 JM TPO FB
TPO FB 150 JM TPO FB (Hotmoppable)

Insulation / Cover Board

E3 ENRGY 3®
I Invinsa Roof Board
IF Invinsa Foam® Roof Board
I FR Invinsa® FR Roof Board
IP Invinsa® Plus
PR HD ProtectoR HD Board
RP RetroPlus™
SR C SECUROCK® Cement Roof Board
SR GM SECUROCK® Glass-LVOCt Roof Board
SR GF SECUROCK® Gypsum-Fiber Roof Board
DD DensDeck
DDP DensDeck Prime
DX C DEXcell Cement Roof Board
DX FG DEXcell FA Glass LVOCt Roof Board
DX GM DEXcell Glass LVOCt Roof Board
PR HD ProtectoR HD
PR HD FR ProtectoR HD FR
SP CGF SeparatoR CGF
SP FR SeparatoR FR

Fastener and Plate

HL High Load
HLP High Load Plus
XHL Extra High Load
IW Induction Weld Plate
UF UltraFast®
XHD OMG Super XHD screw

Securement

FA Fully Adhered
RA Ribbon Applied
SA Self-Adhered

Adhesive*

LVOC Low VOC
SB Solvent SBsed
WB Water SBsed
2PUIA Two-Part Urethane Insulation Adhesive
HA Hot Asphalt
MBR SB MBR Bonding Adhesive
RSUA JM Roofing System Urethane Adhesive
1S JM One-Step FoaLVOCble Adhesive
2PUIA C Two Part Urethane Insulation Adhesive Canister
MB JM Membrane Bonding Adhesive (TPO & EPDM)

**Our membrane adhesives have all changed*

Vapor Barrier

AB APP SBse
ABP APP SBse Plus
DG DynaGrip SBse SD/SA
GP GlasPly IV
GPP GlasPly Premier
VB SA JM Vapor SBrrier SA
DB DynaSBse
DBH DynaSBse HW
DWB DynaWeld SBse
PE Polyethylene (4 or 6 mil)
DB PR DynaBase PR