

**FM Global Approvals – Carlisle PVC Membrane Systems – Fully Adhered**

Deck	Rating	Slope in/ft.	Insulation	Cover Board	Insulation Fastener and Plate	Fastener Frequency	Membrane	Membrane Attachment	RoofNAV
Steel Deck Min. 22 gauge Grade E 80 ksi	1A-225	1"	SS (2" min)	-	ST	1 per 1 sq. ft.	SF	LVOC	325903-0-0
	1A-225	5"	H	SR	ST	1 per 1 sq. ft.	SF	LVOC	325945-0-0
Steel Deck Min. 22 gauge Grade C 33 ksi	1A-135	½"	H (2" min)	-	ST	1 per 1.6 sq. ft.	SF	LVOC	325916-0-0
	1A-150	5"	H	SR	ST	1 per 1.6 sq. ft.	SF	LVOC	325947-0-0
	1A-90	½"	H (2" min)	-	ST	1 per 4 sq. ft.	SF	LVOC	269729-0-0
	1A-90	½"	H (1.5" min)	-	ST	1 per 2 sq. ft.	SF	LVOC	143326-0-0
	1A-90	1.5"	H	WF	ST	1 per 2 sq. ft.	SF	LVOC	143328-0-0
	1A-90	1.5"	H	DDP	ST	1 per 2 sq. ft.	SF	LVOC	143329-0-0

**Insulation**

H = Polyiso HP-H  
SS = SecurShield™

**Coverboard**

HD+ = SecurShield HD Plus  
SR = SECUROCK®  
DDP = DensDeck® Prime  
WF = Wood Fiberboard  
OSB = Oriented Strand Board

**Fastener and Plate**

ST = Sure-Seal® Insulation Plate (Steel)  
OMG = Olympic sourced fasteners/plates

**Membrane**

SF = Sure-Flex (.050", .060" & .080")

**Membrane Attachment**

LVOC = Low-VOC Bonding Adhesive

For additional information on Carlisle Sure-Flex PVC FM code approvals and details on other assemblies, please see the Sure-Flex PVC Code Approval Guide at [www.carlisesyntec.com](http://www.carlisesyntec.com).

### FM Global Approvals – Carlisle PVC Membrane Systems – Mechanically Fastened

Deck	Rating	Slope in/ft.	Insulation	Cover Board	Maximum Sheet Width	Fastener/Plate	Fastener Spacing	Deck Grade	RoofNAV
Steel Deck	1A-165	1	H	-	40.5"	HPX/PIR	6"	22-gauge/Grade C	143335-0-0
	1A-165	5	H	DD	40.5"	HPX/PIR	6"	22-gauge/Grade C	236904-0-0
	1A-105	1	H	-	81"	HPX/PIR	6"	22-gauge/Grade E	143334-0-0
	1A-105	5	H	DD	81"	HPX/PIR	6"	22-gauge/Grade E	236903-0-0
	1A-90	1	H	-	120"	HPX/OB	6"	22-gauge/Grade E	323786-0-0
	1A-90	1	H	-	81"	HPX/PIR	12"	22-gauge/Grade E	143340-0-0
	1A-90	5	H	DD	81"	HPX/PIR	12"	22-gauge/Grade E	237591-0-0
	1A-90	1	H	-	81"	HPXT/PIRXT	12"	22-gauge/Grade E	143337-0-0
	1A-90	5	H	DD	81"	HPXT/PIRXT	12"	22-gauge/Grade E	236919-0-0
	1A-75	1	H	-	120"	HPX/PIR	6"	22-gauge/Grade E	307057-0-0
	1A-75	1	H	-	81"	HPX/PIR	12"	22-gauge/Grade C	143339-0-0
	1A-75	5	H	DD	81"	HPX/PIR	12"	22-gauge/Grade C	237573-0-0
	1A-60	1	H	-	120"	HPXT/PIRXT	12"	22-gauge/Grade E	307052-0-0

#### Insulation

H = Polyiso HP-H

#### Fastener and Plate

- HPX = HP-X Fastener™
- HPXT = HP-Xtra Fastener
- PIR = Piranha Plate™
- PIRXT = Piranha Xtra Plate
- OB = Oval barbed plate

#### Coverboard

- HD = SecurShield HD
- SR = SECUROCK
- DD = DensDeck
- WF = Wood Fiberboard

#### Membrane

SF = Sure-Flex (.050", .060" & .080")

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