

INSULATION ATTACHMENT TABLE FOR ADHERED SYSTEMS

NUMBER OF FASTENERS								
Insulation Type	Board Size (feet)	Thickness	Standard Attachment Fasteners/Board			Attachment Fasteners/Board for 90 psf Uplift Resistance		
			Field	Perimeter	Corner	Field	Perimeter	Corner
Isocyanurate	4x4	1" - 1.4"	8	12	16			
	4x4	1.5" - 1.9"	6	8	12	8	12	16
	4x4	2" minimum	4	6	8	4	6	8
	4x8	1" - 1.4"	16	24	32			
	4x8	1.5" - 1.9"	11	16	22	16	24	32
	4x8	2" minimum	8	12	16	8	12	16
EPS/XPS ¹	4x4	1" - 1.4"	8	12	16			
	4x4	1.5" - 1.9"	6	8	12			
	4x4	2" minimum	4	6	8			
	4x8	1" - 1.4"	16	24	32			
	4x8	1.5" - 1.9"	11	16	22			
	4x8	2" minimum	8	12	16			
Gypsum Board	4x8	1/4" - 5/8"	16	24	32			
	4x8	1/2" minimum	16	24	32	21	32	36
Wood Fiber	4x4	1/2" minimum	6	8	12			
	4x4	1" minimum	4	6	8			
	4x8	1/2" minimum	16	24	32			
TYPE OF INSULATION FASTENER								
Deck	Fastener		Plate			Penetration (minimum)		
Steel – all gauges	DRILL-TEC™ HD (#14) or Standard (#12)		3" Galvalume			3/4" through the deck		
Wood – plank and sheathing	DRILL-TEC™ HD (#14) or Standard (#12)		3" Galvalume			1" thread into/through the deck		
Structural Concrete	DRILL-TEC™ HD (#14) or DRILL-TEC Spike		3" Galvalume			1" thread/shank into the deck		
Insulating Concrete	DRILL-TEC™ HD (#14)		3" Galvalume			3/4" thread through steel form		
Gypsum Concrete	DRILL-TEC™ Polymer Screw		3" Galvalume			1 1/2" thread into the deck		
Cementitious Wood Fiber	DRILL-TEC™ Polymer Screw		3" Galvalume			1 1/2" thread into the deck		

¹ Require a Coverboard.

Note: Attachment requirements to meet determined uplift resistance are dependent on deck type, specific fastener, etc. Refer to the Everguard® TPO/PVC Membrane Attachment Table in the Everguard® TPO/PVC Mechanically Attached Roofing System Manual for minimum pull-out values and deck requirements.