

Product Description:

The IB HD #14 Roofing Fastener is designed to secure insulation and membrane to various substrates. It is used in conjunction with IB Insulation plates, Isoweld® plates, and IB Barbed Seam plates.

Sizes:

1-1/4" - 12" (Lengths over 8" are special order – see table)

Packaging:

The fasteners come pre-packaged in a plastic bucket. See table for quantity and weights. Includes one #3 Phillips bit.

Features:

- 10 threads per inch for ease of installation in concrete roof decks
- Low profile truss head
- Deep #3 recess provides for ultimate bit engagement
- The reduced drill point provides for ultimate pullout values by producing a minimum opening. Thread engagement is superior as compared to standard drill points
- E-coat meets FM Approval Standard 4470

Approvals:

- Factory Mutual (F.M.)
- Miami-Dade County (MD)
- Florida Building Code (FBC)
- International Codes Council Evaluation Services (ICC-ES)
- Texas Department of Insurance (TDI)

Application:

The IB HD #14 Roofing Fastener must penetrate through steel decks a minimum of 3/4", into wood plank decks a minimum of 1", and 1/2" through the underside for plywood decks. Using a screw gun, drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple. Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate does not turn.

Typical Pull-out values (lbf. avg):

Steel 22 ga: 457

Steel 20 ga: 635

Steel 18 ga: 900

4000 psi Concrete (1" penetration): 850

3/4" FR Plywood: 590

2x Dimensional Lumber (1" penetration): 605



Fastener Length	Thread Length	Packaging	Weight
1-1/4"	Full	1000	12 lbs
2"	Full	1000	19 lbs
3"	Full	1000	24 lbs
3.5"	Full	1000	27 lbs.
4"	Full	1000	30 lbs
5"	4"	500	22 lbs
6"	4"	500	23 lbs
7"	4"	500	28 lbs
8"	4"	500	31 lbs
*9"	4"	500	34 lbs
*10"	4"	500	38 lbs
*11"	4"	500	41 lbs.
*12"	4"	250	25 lbs
*14"	4"	250	29 lbs.
*16"	4"	250	37 lbs.
*18"	4"	250	41 lbs.
*20"	4"	250	47 lbs.

*Size is not stocked. Special order only.
Note: Thread length measured from tip of drill point to end of threads

Fastener Properties			
Fastener Dimensions		Fastener Strength Values	
Head	#3 Phillips	Property	(lbf. ult)
Head Height	.117"	Tensile	3300
Head Diameter	.437"	Torsional	110 lbf-in
Thread Diameter	.242"	Shear	2100
Blank Diameter	.164"		
Threads per inch	10		

Product details stated are nominal as manufactured, and the results of tests and/or calculations and therefore are non-binding and do not represent a guarantee or warranted characteristics. User and/or designer are responsible for confirming suitable performance for specific application and conforming with all applicable laws and regulations.