



Product Description:

IB SD #12 Insulation Fastener is designed to secure insulation, cover board and separation materials to steel and wood decks. It is intended to be used in conjunction with the IB 3" Insulation Plate or IB Insulation Plate.

Features:

- Extra stable #3 Phillips head drive
- Drill point design prevents fastener walking
- 13 threads per inch provides higher pull-out values
- Drill point cuts through gravel and BUR
- Cathodic epoxy e-coat

Sizes:

1-5/8" - 8" (Lengths 3 - 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.

Approvals:



Listed with various component assemblies at Florida Building Code (FBC), Factory Mutual (FM), ICC/ES, and Texas Department of Insurance (TDI). Refer to individual assembly approvals for additional information and requirements. Visit our website for links to these agencies and listings at: www.ibroof.com.

Typical Pull-out values (nom):

Steel 22 ga: 564
 Steel 20 ga: 695
 Steel 18 ga: 787
 2x Dimensional Lumber (1" penetration): 462
 3/4" FR Plywood: 575

Fastener Properties			
Fastener Dimensions		Fastener Strength Values	
Head	#3 Phillips Type 1	Property	(lbs. ult)
Head Height	.112"	Tensile	3100
Head Diameter	.437"	Torsional	60 lbf-in
Thread Diameter (major)	.222"	Shear	1800
Thread Diameter (minor)	.131"	Coating and Corrosion	
Blank Diameter	.164"	FM 4470	15/15 Kesternich
Threads per inch	13	ASTM B117	800 salt spray

Image to Come

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.

Fastener Length	Thread Length	Packaging	Weight
1-5/8"	Full	1000	13 lbs.
2-1/4"	Full	1000	17 lbs.
*3"	Full	1000	20 lbs.
*4"	Full	1000	30 lbs.
*5"	4"	1000	34 lbs.
*6"	4"	1000	41 lbs.
*7"	4"	1000	46 lbs.
*8"	4"	1000	51 lbs.

*Size is not stocked. Special order only.

Note: Thread length measured from tip of drill point to end of threads

Application:

The IB SD #12 Insulation Fastener must penetrate through steel, plywood and OSB decks a minimum of 3/4", into wood plank decks a minimum of 1". Using a screw gun capable of 2000-2500 rpm, 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.

Storage:

Store in a dry area, indoors, out of direct sunlight in the original unopened container.

Safety Precautions:

Use proper equipment and assistance when moving, lifting, handling, or transporting membrane rolls to avoid personal injuries as well as damage to the membrane. Safety goggles or protective eye wear are recommended. Refer to the Product Safety Data Sheet for additional safety information.

Go to <https://ibroof.com/tds> for the most up-to-date version of this document.

Toll Free: 800-426-1626

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