

Product Description:

The IB CD-10 Concrete Fastener is a hammer-in, non-threaded fastener designed to secure insulation and membrane to structural concrete roof substrates. It is used in conjunction with IB Insulation plates, isoweld® plates, IB Barbed Seam plates and IB Batten bars.

Sizes:

2" - 12" (All lengths are special order – see table)

Packaging:

The fasteners come pre-packaged in a plastic bucket. See table for quantity and weights.

Features:

- Diamond point allows for easier installation and reduces change of hole damage
- Strongest hammer-in fastener available
- Split bulb exerts pressure on walls of hold, producing increased holding power
- CR-10 corrosion coat meets FM Approval Standard 4470

Approvals:

- Factory Mutual (F.M.)
- Miami-Dade County (MD)
- Florida Building Code (FBC)

Application:

A pilot hole is required using a carbide drill bit to form a 7/32" diameter hole. Pilot holes must be a minimum of 1/2" deeper than embedment. The IB CD-10 Concrete Fastener embedment into the concrete deck must be a minimum of 1". Using a 2 lb. short-handle sledgehammer, 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):

3000 psi Concrete (1" penetration): 800



Fastener Length	Packaging	Weight (lbs.)
*2"	500	13
*2-1/2"	500	16
*3"	500	18
*3-1/2"	500	21
*4"	500	23
*4-1/2"	500	25
*5"	500	28
*5-1/2"	500	31
*6"	500	33
*7"	500	38
*8"	500	44
*9"	250	25
*10"	250	28
*11"	250	31
*12"	250	33
*Size is not stocked. Special order only.		

Fastener Properties	
Fastener Dimensions	
Head	Flat Top Pan
Head Height	.115"
Head Diameter	.435"
Split Bulb Diameter	.270"/.277"

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.