Technical Data Sheet

IB® Dekspike Concrete Anchor

IB Roof Systems®

Product Description:

The IB Dekspike™ Concrete Roof Anchor is 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:

1-1/4” - 14” (All lengths are special order – see table)

Packaging:

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

Features:

- 1/2" mushroom drive head for ease of installation into structural concrete
- Compresses at three points to match tolerance of pre-drilled pilot hole
- 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:

Drill hole depth at least 1/2" beyond the anticipated embedment depth. Clean the hole and drive Dekspike flush against the plate or material being fastened. Tools: ANSI 1/4" diameter (0.268–0.260 dia.) drill bit. 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):

2000 psi Concrete (1” penetration): 620
2000 psi Concrete (1-1/4” penetration): 830
3000 psi Concrete (1” penetration): 775
3000 psi Concrete (1-1/4” penetration): 1100
4000 psi Concrete (1” penetration): 835
4000 psi Concrete (1-1/4” penetration): 1210

Fastener Length	Packaging	Weight (lbs.)
*1-1/4”	500	11
*1-1/2”	500	11
*2”	500	16
*2-1/2”	500	21
*3”	500	22
*3-1/2”	500	25
*4”	500	31
*4-1/2”	500	31
*5”	500	35
*5-1/2”	500	36
*6”	250	20
*7”	250	23
*7-1/2”	250	26
*8”	250	28
*9”	250	30
*10”	250	33
*11”	100	14
*12”	100	15
*13”	100	16
*14”	100	17
*Size is not stocked. Special order only.		

Fastener Properties	
Fastener Dimensions	
Head	½” Mushroom Drive
Head Height	.115”
Head Diameter	.490”
Shank Diameter	.239”