

#15

#3 Phillips drive, 13 tpi, drill point
For insulation and membrane attachment to wood,
steel, and structural concrete roof decks

- Can be pre-assembled to Dekfast steel membrane plates for roof cover attachment and 3" round Dekflat for insulation attachment.
- Above average pull-out values in 24, 26 gauge metal panels.

- Standard gray e-coat coating provides compatibility with white, galvanized or gray deck undersides.



Application

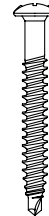
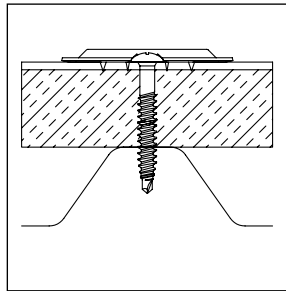
#15 High-Strength Phillips Head Insulation board to roof deck

Materials:

- Steel thickness from 26 ga (.019 in.) through 18 ga (.045 in.):
Min penetration: 3/4"
- Plywood: Min thickness 3/4"
FR treated; min through penetration: 1/4"
- Wood 2x (1-1/2" thick):
Min penetration: 1"
- Structural concrete:
Min penetration: 1"

Use with:

- Dekfast 2-7/8" hex plates
- Dekfast 3" round plastic Dekflat plates
- 3" round metal plates
- Batten Bar
- Steel membrane plates
- Other attachment elements approved by the roofing system manufacturer for use with their products



Head: #3 Phillips
Head Height: .130" max
Head Dia: .448" max
Thread Major Dia: .263"
Shank Dia: .204"
Threads per Inch: 13

Strength (lbs ult.):
Tensile: 4350
Torsional: 130 in-lbs min
Shear: 3700

Pull-out (lbs avg.):
22 ga: 706
20 ga: 898
18 ga: 1140
3/4" plywood (through penetration): 703
2x lumber (1-1/2" penetration): 692
Concrete 4000 psi (1" penetration): 728
Non FM Approved Decks:
26 ga: 301
24 ga: 453

Notes

Dimensions are nominal inches unless noted. Steel roof decks include all FM-approved 18-20-22 ga. FM-approved wood decks include 3/4" FR plywood and 2x dimensional lumber. Structural concrete to be predrilled with standard 7/32" carbide bit to minimum 1/2" deeper than fastener penetration.

Selection

Length	Part No.	Steel	Wood	Concrete	Carton Wt. (lbs)	Carton Qty.	Skid Qty.
1-1/4"	C2000-995P	Up to 1/4"	Up to 1/4"	Up to 1/4"	13	1,000	60,000
2"	C2010-995P	Up to 1-1/4"	Up to 1"	Up to 1"	24	1,000	60,000
3"	C2020-995P	Up to 2-1/4"	Up to 2"	1" to 2"	30	1,000	60,000
4"	C2030-995P	1-1/4" to 3-1/4"	1-1/4" to 3"	2" to 3"	42	1,000	60,000
5"	C2040-995P	1-1/4" to 4-1/4"	1-1/4" to 4"	3" to 4"	51	1,000	40,000
6"	C2050-995P	2-1/4" to 5-1/4"	2-1/4" to 5"	4" to 5"	30	500	30,000
7"	C2060-995P	3-1/4" to 6-1/4"	3-1/4" to 6"	5" to 6"	35	500	30,000
8"	C2070-995P	4-1/4" to 7-1/4"	4-1/4" to 7"	6" to 7"	40	500	30,000
9"	C2075-995P	5-1/4" to 8-1/4"	5-1/4" to 8"	7" to 8"	45	500	20,000
10"	C2080-995P	6-1/4" to 9-1/4"	6-1/4" to 9"	8" to 9"	49	500	20,000
11"	C2085-995P	7-1/4" to 10-1/4"	7-1/4" to 10"	9" to 10"	54	500	12,000
12"	C2090-995P	8-1/4" to 11-1/4"	8-1/4" to 11"	10" to 11"	29	250	20,000
14"	C2100-995P	10-1/4" to 13-1/4"	10-1/4" to 13"	12" to 13"	34	250	6,000
16"	C2110-995P	12-1/4" to 15-1/4"	12-1/4" to 15"	14" to 15"	38	250	6,000
18"	C2120-995P	14-1/4" to 17-1/4"	14-1/4" to 17"	16" to 17"	42	250	6,000
20"	C2130-995P	16-1/4" to 19-1/4"	16-1/4" to 19"	18" to 19"	47	250	6,000
22"	C2140-995P	18-1/4" to 21-1/4"	18-1/4" to 21"	20" to 21"	52	250	6,000
24"	C2150-995P	20-1/4" to 23-1/4"	20-1/4" to 23"	22" to 23"	56	250	6,000
26"	C2160-995P	22-1/4" to 25-1/4"	22-1/4" to 25"	24" to 25"	61	250	6,000
28"	C2170-995P	24-1/4" to 27-1/4"	24-1/4" to 27"	26" to 27"	54	200	4,000

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Approvals

Dekfast fasteners are Factory Mutual approved for attachment of insulation board and/or roof cover to roof deck. Refer to FM Approval Guide and Supplements for current FM approved insulation fastening patterns. #15 fasteners exceed Factory Mutual corrosion-resistance Standard 4470.

Installation

Tools: 2000 – 2500 rpm screw guns and #3 hardened Phillips bit. For structural concrete, 7/32" carbide bit and 1500 rpm screw gun or hammer drill in hammer mode.

Options

