

Distributed by: BEST MATERIALS ®
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#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.

• e-coat

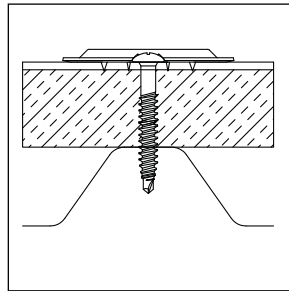


Application

#15 Dekfast 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. The specific job conditions should be considered and appropriate safety factors applied when specifying the proper fasteners.

Selection

Fastener Length	*Thread Length	Material No.	North American Code	Steel	Wood	Concrete	Carton Wt. (lbs)	Carton Qty.	Skid Qty.
1-1/4"	Full	789566	DF-#15x1-1/4-PH3-E0999-B	Up to 1/4"	Up to 1/4"	Up to 1/4"	13	1,000	60,000
2"	1.75"	1204935	DF-#15x2-PH3-E0999-B	Up to 1-1/4"	Up to 1"	Up to 1"	24	1,000	60,000
3"	2.75"	789609	DF-#15x3-PH3-E0999-B	Up to 2-1/4"	Up to 2"	1" to 2"	30	1,000	60,000
4"	3.75"	789635	DF-#15x4-PH3-E0999-B	1-1/4" to 3-1/4"	1-1/4" to 3"	2" to 3"	42	1,000	60,000
5"	4"	789664	DF-#15x5-PH3-E0999-B	1-1/4" to 4-1/4"	1-1/4" to 4"	3" to 4"	51	1,000	40,000
6"	4"	789692	DF-#15x6-PH3-E0999-B	2-1/4" to 5-1/4"	2-1/4" to 5"	4" to 5"	30	500	30,000
7"	4"	1230686	DF-#15x7-PH3-E0999-B	3-1/4" to 6-1/4"	3-1/4" to 6"	5" to 6"	35	500	30,000
8"	4"	789740	DF-#15x8-PH3-E0999-B	4-1/4" to 7-1/4"	4-1/4" to 7"	6" to 7"	40	500	30,000
9"	4"	1297437	DF-#15x9-PH3-E0999-B	5-1/4" to 8-1/4"	5-1/4" to 8"	7" to 8"	45	500	20,000
10"	4"	789767	DF-#15x10-PH3-E0999-B	6-1/4" to 9-1/4"	6-1/4" to 9"	8" to 9"	49	500	20,000
12"	4"	789791	DF-#15x12-PH3-E0999-B	8-1/4" to 11-1/4"	8-1/4" to 11"	10" to 11"	29	250	10,000
14"	4"	789807	DF-#15x14-PH3-E0999-B	10-1/4" to 13-1/4"	10-1/4" to 13"	12" to 13"	34	250	6,000
16"	4"	789822	DF-#15x16-PH3-E0999-B	12-1/4" to 15-1/4"	12-1/4" to 15"	14" to 15"	38	250	6,000
18"	4"	789830	DF-#15x18-PH3-E0999-B	14-1/4" to 17-1/4"	14-1/4" to 17"	16" to 17"	42	250	6,000
20"	4"	789835	DF-#15x20-PH3-E0999-B	16-1/4" to 19-1/4"	16-1/4" to 19"	18" to 19"	47	250	6,000
22"	4"	1204091	DF-#15x22-PH3-E0999-B	18-1/4" to 21-1/4"	18-1/4" to 21"	20" to 21"	52	250	6,000
24"	4"	789845	DF-#15x24-PH3-E0999-B	20-1/4" to 23-1/4"	20-1/4" to 23"	22" to 23"	56	250	6,000
26"	4"	789850	DF-#15x26-PH3-E0999-B	22-1/4" to 25-1/4"	22-1/4" to 25"	24" to 25"	61	250	6,000
28"	4"	1204092	DF-#15x28-PH3-E0999-B	24-1/4" to 27-1/4"	24-1/4" to 27"	26" to 27"	54	200	4,800

* Note - Thread length measured from tip of the drill point to end of threads.

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#15

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Approvals

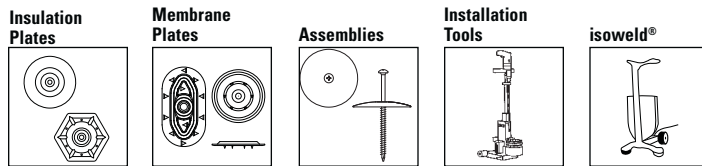
Dekfast fasteners are Factory Mutual approved for attachment of insulation board and/or roof cover to roof deck. Refer to FM Approval Guide and Supplements for current FM approved insulation fastening patterns. #15 fasteners meet Factory Mutual corrosion-resistance Standard 4470.

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.

The standard carton package includes one #3 Phillips bit.

Options



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