

#12 DP

Roofing Fasteners



PRODUCT DATA SHEET

PRODUCT DESCRIPTION

#12 DP Fasteners are specifically engineered to secure insulation, coverboards, and base sheets to corrugated steel (16 – 22 ga.) and wood substrates. Featuring a #2 double flute self-drilling point and exclusive tapered entry thread design, they penetrate steel quickly and offer exceptional back-out resistance.

COMPATIBLE ACCESSORIES

Use with Metal Insulation Plates MP-3000 and MPR-3000.

MATERIAL SPECIFICATIONS

Material: SAE C1022, heat treated Manufacturing Location: Bryan, OH USA

Coating: Tru-Kote™ Epoxy E-Coat LEED® Eligible Recycled Content: 20%

INSTALLATION GUIDELINES

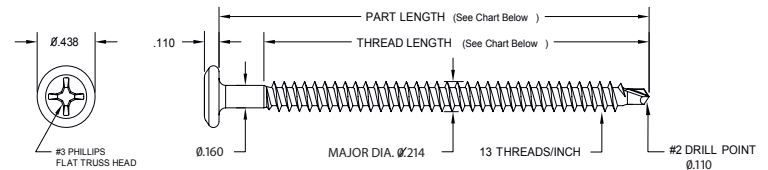
For Steel and Wood Decks: Using the #3 Phillips drive bit provided and a 0-2500 rpm screw gun, install the fastener into the deck. The fastener must penetrate the deck a minimum of 3/4", as measured from the underside of the deck to the fastener tip. Care should be taken to orient the fastener perpendicular to the deck and not to overdrive the fastener to prevent damage to the insulation or membrane.

PART NUMBER	PART LENGTH	THREAD LENGTH	PACKAGE QTY	PACKAGE WEIGHT
DP-1625	1-5/8"	1-5/8" (Full)	1000/Bucket	11.8 lbs.
DP-2250	2-1/4"	2-1/4" (Full)	1000/Bucket	16.2 lbs.
DP-2875	2-7/8"	2-7/8" (Full)	1000/Bucket	19.7 lbs.
DP-3250	3-1/4"	2-7/8"	1000/Bucket	21.5 lbs.
DP-3750	3-3/4"	2-7/8"	1000/Bucket	24.6 lbs.
DP-4500	4-1/2"	3-7/8"	1000/Bucket	28.8 lbs.
DP-5000	5"	3-7/8"	1000/Bucket	31.5 lbs.
DP-6000	6"	3-7/8"	1000/Bucket	37.1 lbs.
DP-7000	7"	3-7/8"	500/Bucket	20.9 lbs.
DP-8000	8"	3-7/8"	500/Bucket	23.9 lbs.

PERFORMANCE DATA

PROPERTY	STANDARD	AVERAGE ULTIMATE VALUE
Tensile Strength:	ASTM F606-10	2500 lbf.
Shear Strength:	NASM 1312-20	1900 lbf. (thread zone)
Corrosion Strength:	FM 4470, DIN 50018	< 15% Red Rust after 30 cycles

PRODUCT SPECIFICATION:



CODE APPROVALS & LISTINGS:



Average Ultimate Pullout Values in Corrugated steel Deck Substrates

THICKNESS	YIELD STRENGTH	PULLOUT (lbf.)
24 ga.	36.5 ksi	230
	33.0 ksi	285
22 ga.	80.0 ksi	505
	102.0 ksi	580
18 ga.	33.0 ksi	540
	80.0 ksi	715
	102.0 ksi	800
16 ga.	33.0 ksi	710
	80.0 ksi	1,000
	102.0 ksi	1,145

* lbf./in. of thread penetration, including tip.

Average Ultimate Pullout Values in Corrugated steel Deck Substrates

	THICKNESS	PULLOUT (lbf.)
APA Rated OSB	7/16"	265
	15/32"	300
	19/32"	325
	23/32"	440
APA Rated Plywood	15/32"	365
	19/32"	475
	23/32"	720
Misc.	SPF #2	700

* lbf./in. of thread penetration, including tip.



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