

SOPREMA® #12 DP FASTENER

Roofing Fastener

PRODUCT DATA SHEET PDS10180 - REV 231205



APPLICATIONS

ROOFING

DESCRIPTION & FEATURES:

SOPREMA #12 DP Fasteners are specifically engineered to secure insulation, cover boards and base sheets to corrugated steel and wood substrates.

- Heavier shank and buttress thread diameter for increased pullout resistance and shear strength
- Epoxy based coating to enhance corrosion resistance
- Our exclusive double fluted self-drilling point with tapered entry thread design, quickly penetrates for superior drill speeds

APPLICATION:

For Steel and Wood Decks: Using the #3 Phillips drive bit provided and a 2500 rpm screw gun, install the fastener into the deck. The fastener must penetrate the deck a minimum of $\frac{3}{4}$ inch, 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.

TECHNICAL PROPERTIES:

TYPICAL PROPERTIES	
PROPERTY	VALUE
Material	SAE C1022, heat treated
Coating	Epoxy E-coat
Fastener head	#3 Phillips flat truss head
Drill point	#2 Double flute self-drilling point
Thread diameter, in	.214
Thread/inch	13

MATERIAL STRENGTH	
PROPERTY	VALUE
Tensile, lbf	2,500
Shear, lbf	1,900

CORROSION-RESISTANT PROPERTIES	
TEST METHOD	VALUE
FM 4470	<15% Red rust after 30 cycles

APPROVED ACCESSORIES:

- 3 in Metal Insulation Plate

SUSTAINABILITY



RECYCLED CONTENT
POST-CONSUMER

20 %



Enlarged to show detail



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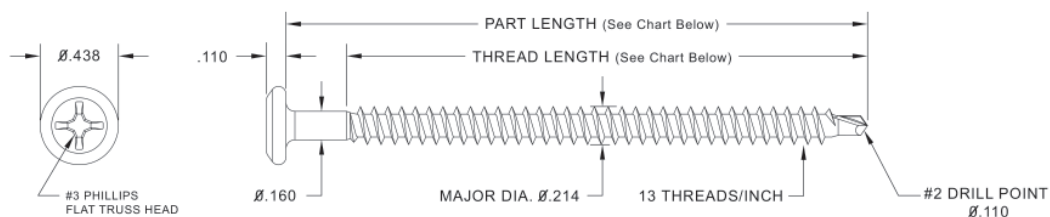
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PRODUCT SPECIFICATIONS



PRODUCT NUMBERS/PACKAGING

PART #	PART LENGTH		THREAD LENGTH		PACKAGING	
	INCHES	MM	INCHES	MM	QTY/BUCKET	WEIGHT (LB)
F1001	1 - 5/8	41.3	Full	41.3	1,000	12.5
F1002	2 - 1/4	57.2	Full	57.2	1,000	16.1
F1146	3	76.2	Full	76.2	1,000	20.2
F1194	4	101.6	3 - 7/8	98.4	1,000	25.8
F1007	5	127.0	3 - 7/8	98.4	1,000	32.0
F1008	6	152.4	3 - 7/8	98.4	1,000	37.5
F1009	7	177.8	3 - 7/8	98.4	500	22.5
F1010	8	203.2	3 - 7/8	98.4	500	24.7

Contact SOPREMA® Customer Service or your sales representative for options and special order requirements.



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AVERAGE ULTIMATE PULL OUT VALUES:*

FOR WOOD SUBSTRATES

SUBSTRATE	PULL OUT VALUES (lbf)			
	THICKNESS, inches			
	7/16	15/32	19/32	23/32
OSB	265	300	325	440
Plywood	—	365	475	720

SPF #2	
INCLUDING TIP	EXCLUDING TIP
700	—

FOR CORRUGATED STEEL DECKS

THICKNESS	PULL OUT VALUES (lbf)			
	YIELD STRENGTH, ksi			
	33.0	36.5	80.0	102.0
16 Gauge	710	—	1,000	1,145
18 Gauge	540	—	715	800
20 Gauge	355	—	505	580
22 Gauge	285	—	410	465
24 Gauge	—	230	—	—

* NOTE: The physical properties listed above are presented at typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. Ultimate Pullout values must be reduced by a minimum safety factor of ≥ 3.0 to determine allowable working load.

PULLOUT TESTING:

The strength of different roof decks can vary widely and can be adversely affected by moisture and other conditions. Therefore, it is recommended that a fastener pull test be conducted to help evaluate deck condition and fastener suitability. Contact SOPREMA Technical Services to schedule testing.

TESTING & APPROVALS:



FL # 4500

WARRANTY:

SOPREMA brand products, or products sold by SOPREMA, are required for inclusion in SOPREMA warranties.

