

LEXCOR

LEXGRIP™

#15 Drill Point Extra Heavy Duty Membrane Fasteners

DESCRIPTION & USE

- #15 Drill Point Extra Heavy Duty Membrane Fasteners are specifically designed to secure single ply roofing membranes to steel, wood or concrete substrates.

FEATURES & BENEFITS

- Low profile #3 Phillips truss head
- Double flute drill point speeds penetration through steel deck
- Exclusive tapered entry threads wedges fastener tightly into the deck for superior back-out resistance
- Deep buttress thread design provides exceptional pull-out resistance
- Black coating offers excellent corrosion resistance

TECHNICAL DATA

#15 DP XHD FASTENER - PHYSICAL PROPERTIES				
Part No.	Screw Length	Thread Length	Pieces / Pail	Weight / Pail
XHDSCREW-114	1-1/4"	Full	1000	14 lbs
XHDSCREW-2	2"	Full	1000	21 lbs
XHDSCREW-3	3"	2-7/8"	1000	29 lbs
XHDSCREW-4	4"	3-7/8"	1000	38 lbs
XHDSCREW-5	5"	3-7/8"	1000	46 lbs
XHDSCREW-6	6"	3-7/8"	500	28 lbs
XHDSCREW-7	7"	3-7/8"	500	33 lbs
XHDSCREW-8	8"	3-7/8"	500	38 lbs
XHDSCREW-9	9"	3-7/8"	250	43 lbs
XHDSCREW-10	10"	3-7/8"	250	48 lbs
XHDSCREW-11	11"	3-7/8"	250	52 lbs
XHDSCREW-12	12"	3-7/8"	250	57 lbs
XHDSCREW-14	14"	3-7/8"	250	33 lbs

*Refer to the back of Data Sheet for the Performance Data



INSTALLATION

Lexgrip membrane fasteners must penetrate steel decks a minimum of 19 mm (3/4"). Using a screw gun, drive the fastener until a slight depression is seen around the plate, or with very rigid boards, watch for the plate to dimple. Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. The fastener must be tight enough so that the plate does not turn. Factory Mutual requires that the fastener penetrate the steel deck at the top flute. For best results, use a variable speed 0 - 2500 rpm screw gun. Special stand-up installation tools are available to help speed up production and relieve physical stress.

SPECIFICATION

Membrane (Generic) - Membrane fasteners shall be Factory Mutual approved #15 self-tapping fasteners with a #3 Phillips Truss Head [pre-assembled; complete with] 60mm (2-3/8") diameter galvalume stress plates. Fasteners shall be coated with a corrosion resistant coating that passes 30 cycles of the Kesternich test with a maximum 15% red rust.

Accepted Product: Lexgrip™ #15 Drill Point Extra Heavy Duty Membrane Fasteners [PA] by Lexcor (www.lexcor.net, Tel: 1.800.268.2889). Install in accordance with manufacturer's directions.

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COMMERCIAL BUILDING PRODUCTS

Ontario & Western Canada
1.800.268.2889

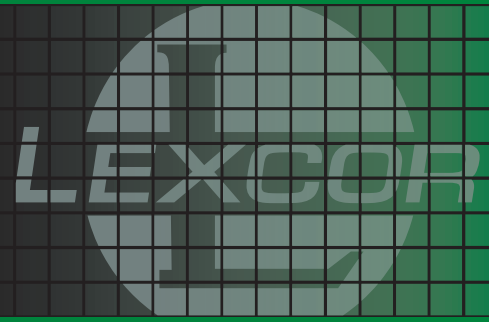


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1.800.363.2307

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PERFORMANCE DATA

Property	Standard	Average Ultimate Value
Tensile Strength:	ASTM F606-10	4200 lbf.
Shear Strength:	NASM 1312-20	2400 lbf. (thread zone)
Corrosion Resistance:	FM 4470, ASTM D6294, DIN 50018	< 15% Red Rust after 30 cycles

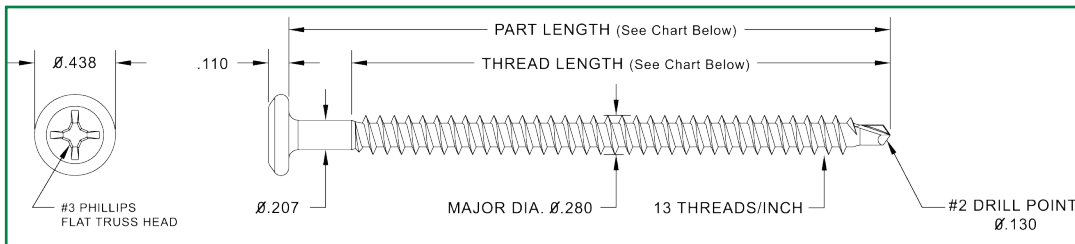
Average Ultimate Pullout Values in Corrugated Steel Deck Substrates

Thickness	24 ga.			22 ga.			20 ga.			18 ga.			16 ga.		
Yield Strength	36.5 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi		
Pullout (lbf.)	390	465	695	805	605	855	970	925	1125	1215	1175	1370	1460		

Average Ultimate Pullout Values in Wood Substrates

Thickness	APA Rated OSB				APA Rated Plywood			SPF #2
	7/16"	15/32"	19/32"	23/32"	15/32"	19/32"	23/32"	
Pullout (lbf.)	295	300	310	515	400	525	685	1165*

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



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