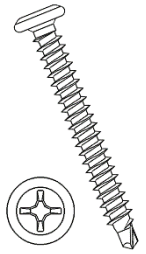
#14 HD STAINLESS STEEL SCREWS

DESCRIPTION

Duro-Last® approves #14 HD Stainless Steel Screws ("HD Screws") for mechanical fastening of the Duro-Last Roofing System. HD Screws are #14 diameter, have a P-3 truss head, and are equipped with a drill point.

HD Screws can be used with wood, structural concrete (2,500 psi (17.2 MPa) min.), and steel decks, and are able to penetrate a 20-gauge deck in under 3 seconds with a 50-lbf (222.41-N) load.

FM APPROVED



STORAGE AND HANDLING

Always store in a dry location protected from the elements.

INSTALLATION

Fasteners must penetrate at least 1 inch (25 mm) into all decks.

Pre-drill concrete decks, 1/2 (13-mm) past required screw depth, using a 3/16-inch (5-mm) to 7/32-inch (5.5-mm) bit, based on concrete density and pullout tests.

PERFORMANCE DATA

Property	Standard	Value Lbf (N)
Tensile Strength	ASTM F606-10	2,000 (8,896.44)
Shear Strength	AISI S904	1,400 (6,227.51)
Corrosion Resistance	FM 4470, DIN 50018	<15% red rust

HD SCREW ORDERING

Total Length Inch (mm)	Thread Length Inch (mm)	Quantity (Per Pail)	Item Number
1.5 (38)	1.5 (38)	1,000	1243
2 (51)	2 (51)	1,000	1244
3 (76)	3 (76)	1,000	1245
4 (102)	3.875 (98)	1,000	1246
5 (127)	3.875 (98)	1,000	1247
6 (152)	3.875 (98)	1,000	1248
7 (178)	3.875 (98)	500	1249
8 (203)	3.875 (98)	500	1250
10 (254)	3.875 (98)	250	1251
12 (305)	3.875 (98)	250	1252

AVERAGE PULLOUT VALUE BY DECK TYPE
NEW CONSTRUCTION

Deck Type	Deck Thickness	Yield Strength Ksi (MPa)	Avg Pullout Value Lbf (N)
Steel	18 gauge	33 (227.53)	675 (3,002.55)
		80 (551.58)	885 (3,936.68)
		102 (703.27)	985 (4,381.5)
	20 gauge	33 (227.53)	420 (1,868.25)
		80 (551.58)	615 (2,735.66)
		102 (703.27)	710 (3,158.24)
	22 gauge	33 (227.53)	315 (1,401.19)
		80 (551.58)	480 (2,135.15)
		102 (703.27)	560 (2,491)
	24 gauge	36.5 (251.66)	255 (1,134.3)
Plywood	15/32 in. (12 mm)		360 (1,601.36)
	19/32 in. (15 mm)		410 (1,823.77)
	23/32 in. (18 mm)		730 (3,247.2)
OSB	7/16 in. (12 mm)		270 (1,201.02)
	15/32 in. (12 mm)		290 (1,289.98)
	19/32 in. (15 mm)		310 (1,378.95)
	23/32 in. (18 mm)		410 (1,823.77)
Wood Plank	SPF #2		795 (3,536.34)
Structural Concrete	2500 psi min. (17.2 MPa)		740 (3,291.68)

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