



Heavy-Duty Fastener

Firestone Item Number:

<u>Red</u>		<u>White</u>	
1-1/4":	W56RAC4230	1-1/4":	W56RAC4390
2":	W56RAC4232	2":	W56RAC4391
3":	W56RAC4234	3":	W56RAC4392
4":	W56RAC4236	4":	W56RAC4393
5":	W56RAC4237	5":	W56RAC4394
6":	W56RAC4249	6":	W56RAC4395
7":	W56RAC4239		
8":	W56RAC4240		
10":	W56RAC4241		
12":	W56RAC4242		
14":	W56RAC4243		

DESCRIPTION:

The Firestone Heavy-Duty Fastener is specifically designed to be used in roofing applications which require additional corrosion protection and additional pullout resistance. The Heavy-Duty Fastener may be used for attachment of roofing insulation, and base sheets in combination with Firestone Insulation Plates, or for attachment of Firestone Batten Strips, Seam Plates, Termination Bars, and other accessories to steel, wood, concrete and other decks where approved by Firestone Technical Specifications.

METHOD OF APPLICATION:

Using the #3 Phillips tip provided and a variable speed drill, engage the fastener into the deck as noted below, taking care not to over or under drive the fastener.

Note: If pre-drilling of the deck substrate is necessary, use a hammer drill in impact mode with a 7/32" (5.56 mm) carbide drill bit. Install fasteners by using a variable speed drill at a maximum of 1,500 RPM.

PRECAUTIONS:

- Eye protection must be worn during the installation of the fasteners and during any drilling operation.



Subject to the conditions of Approval
when installed as described in the current
edition of the FM Approval Guide

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PRODUCT DATA

<u>Property</u>	<u>Minimum Performance</u>
Material:	SAE 1022, heat treated steel
Thread Size:	.275" (6.98 mm) nom. diameter
Threads/Inch:	13 min.
Thread Design:	Buttress thread
Fastener Tip:	Drill point design
Fastener Head:	#3 Phillips drive
Pullout in New 22 ga. (0.76 mm) Steel Deck:	
Grade C (Grade 33):	595 lb (270 kg) min.
Grade E (Grade 80):	650 lb (295 kg) min.
Pullout in New Structural Concrete:	700 lb (317.5 kg) min.
Pullout in New 1/2" (12.7mm) Plywood:	360 lb (163 kg) min.
Corrosion Resistant Coating:	Red epoxy applied by Electrocoating

<u>Screw Length</u>	<u>Thread Length</u>	<u>Pieces/ Plastic Pail</u>	<u>Cartons/ Pallet</u>
1-1/4" (31.75 mm)	Full	1,000	40
2" (50.80 mm)	Full	1,000	40
3" (76.20 mm)	Full	1,000	60
4" (101.6 mm)	3" (76.20 mm)	1,000	60
5" (127.0 mm)	4" (101.6 mm)	1,000	40
6" (152.4 mm)	4" (101.6 mm)	500	60
7" (177.8 mm)	4" (101.6 mm)	500	60
8" (203.2 mm)	4" (101.6 mm)	500	60
10" (254.0 mm)	4" (101.6 mm)	500*	24
12" (304.8 mm)	4" (101.6 mm)	500*	24
14" (355.6 mm)	4" (101.6 mm)	500*	24

*Packaged in cardboard cartons due to fastener length and may require lead time of 30 days.

Determine required screw length as follows:

Steel Decks: Select fastener length to penetrate through the deck a minimum of 3/4" (19.1 mm).

Wood Decks: Select fastener length to penetrate into or through deck a minimum of 1" (25.4 mm).

Concrete Decks: Select fastener length to penetrate into deck a minimum of 1" (25.4 mm).

LEED INFORMATION:

Post Consumer Recycled Content:	0%
Post Industrial Recycled Content:	30%
Manufacturing Location:	West Chicago, IL

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