



HD Plus Fastener

Firestone Item Number:

<u>Red</u>	<u>White</u>
2" W56RAC4282	2" W56RAC4292
3" W56RAC4283	3" W56RAC4293
4" W56RAC4284	4" W56RAC4295
5" W56RAC4285	5" W56RAC4296
6" W56RAC4286	6" W56RAC4294
7" W56RAC4287	7" W56RAC4297
8" W56RAC4288	8" W56RAC4298
	10" W56RAC4291

DESCRIPTION:

Firestone HD Plus Fasteners are specifically designed to be used in B.I.T.S., M.A.S., Reinforced MAX, and UltraPly™ TPO mechanically attached systems to attach Firestone metal, polymer batten strips or HD Plus Seam Plates where additional pullout strength is required. The HD Plus Fastener is designed for use into steel decks only.

METHOD OF APPLICATION:

Using the #3 Phillips tip provided, engage the fastener into the deck, taking care not to over or under drive the fastener. Threads must engage the decking material per Firestone Technical Specifications, and penetrate the deck a minimum of one inch.

The HD Plus fastener is intended to drill into 22 gauge steel decks. Thicker gauge decks should not be attempted unless the deck is pre-drilled with an 11/32" (8.6 mm) diameter drill bit. In the event that a pre-punched hole in the batten strip does not line up with the top flute of the deck, do not attempt to install a HD Plus fastener through the batten without pre-drilling. It is suggested that if alignment is a problem, that the batten strip simply be cut and realigned with the top flute of the deck, then continue attaching through the pre-punched holes.

PRECAUTIONARY DATA:

Eye protection must be worn during the installation of the fasteners.

This sheet is meant to highlight Firestone's products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials, which meet Firestone's published product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.



PRODUCT DATA

<u>Property</u>	<u>Minimum Performance</u>
Material:	AE 1022, heat treated steel
Thread Size:	0.330" (8.4 mm) major diameter
Threads/Inch:	2-1/2 min.
Thread Design:	Buttress thread
Fastener Tip:	Drill point design
Head Type:	Pan head, Phillips #3
Head Diameter:	0.660" (13.9 mm) min.
Pullout in New 22 ga. (0.76 mm) Steel Deck:	
Grade C (Grade 33):	640 lb (290.3 kg) min.
Grade E (Grade 80):	740 lb (335.7 kg) min.
Corrosion Coating:	Red epoxy applied by Electrocoating

<u>Screw Length</u>	<u>Thread Length</u>	<u>Pieces/Plastic Pail</u>
2"* (51.0 mm)	Full	1,000
3" (76.20 mm)	Full	1,000
4" (101.6 mm)	3" (76.2 mm)	500
5" (127.0 mm)	4" (101.6 mm)	500
6" (152.4 mm)	4" (101.6 mm)	500
7" (177.8 mm)	4" (101.6 mm)	250
8" (203.2 mm)	4" (101.6 mm)	250

***2" are special order only.**

Determine required screw length as follows:

Steel Decks: Select fastener length to penetrate through 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



Firestone Building Products Company
250 W. 96th Street, Indianapolis, IN 46260
Sales: (800) 428-4442 • Technical (800) 428-4511
www.firestonebpcco.com