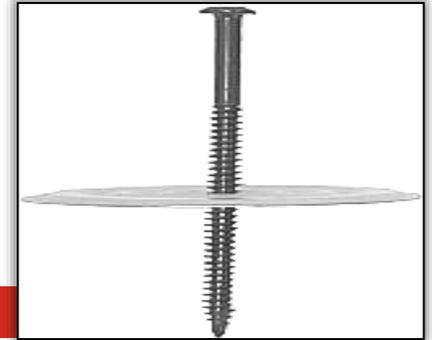


# TECHNICAL INFORMATION SHEET

## Pre-Assembled Heavy-Duty Fastener and Insulation Plate

**Item Number:**

- 3" W56RAC4003
- 4" W56RAC4004
- 5" W56RAC4005
- 6" W56RAC4006
- 7" W56RAC4007
- 8" W56RAC4008
- 10" W56RAC4010



### Product Information

**Description:**

The Firestone Pre-Assembled Heavy-Duty Fastener and Insulation Plate is specifically designed to be used in all Firestone roof systems to pre-attach insulation or base sheets to steel, wood decks, and 3000 psi structural concrete.

### Product Packaging

Screw Length	Thread Length	Pieces per Plastic Pail	Pails per Pallet
3" (76.2 mm)	Full	500	30
4" (101.6 mm)	3" (76.2 mm)	250	45
5" (127 mm)	4" (101.6 mm)	250	45
6" (152.4 mm)	4" (101.6 mm)	250	30
7" (177.8 mm)	4" (101.6 mm)	250	30
8" (203.2 mm)	4" (101.6 mm)	250	30
10" (254 mm)	4" (101.6 mm)	125	30

**Method of Application:**

- Position assembly over roof insulation or base sheet as specified in current Firestone Technical Specifications and Details by hand or by using Firestone’s SETTER TOOL (W563582035).
- Using Firestone’s STAND-UP TOOL (W563582039), drive the fastener into the deck the appropriate depth, being careful not to over or under drive (conventional drills may be used to drive the fasteners). One (1) #3 Phillips drive bit is included in every four cartons.

**NOTE: Structural concrete requires pre-drilling using 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.**

- Steel Decks: Select fastener length to penetrate through the deck a minimum of ¾" (19.1 mm).
- Wood Decks: Select fastener length to penetrate into or through deck a minimum of 1" (25.4 mm).

**Storage:**

Store in original, unopened packaging protected from the weather.

**Precautions:**

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

# TECHNICAL INFORMATION SHEET

## Pre-Assembled Heavy-Duty Fastener and Insulation Plate

### LEED® Information:

Post Consumer Recycled Content: 0%  
 Pre-Consumer Recycled Content: 24-27%  
 Manufacturing Locations: Bensenville, IL  
 \*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



### Typical Properties

Property: Metal Insulation Plate	Typical Performance
Material	AZ50 minimum Galvalume® Sheet Steel
Thickness	0.017" (.43 mm) - 0.023" (.58mm)
Diameter	3" (76 mm) Round Plate
Corrosion Resistant	Meets requirements of FM 4470
Pull Through Resistance	Min. 400 lb (181.4 kg)
Property: Fastener	
Material	SAE 1022 heat treated steel
Thread Diameter	Nominal 0.2135" (5.42 mm) Major diameter, 13 Threads/Inch
Thread Type	Buttress
Point Style	Drill Point
Screw Pullout	
New 22 ga. (.76 mm Steel) Deck	
Grade C (33 ksi)	595 lb (270 kg) min.
Grade E (80 ksi)	650 lb (295 kg) min.
New ½" (12.7 mm) Plywood	Minimum 375 lb (170.1 kg)
New Structural Concrete	700 lb (317 kg) minimum
Corrosion Resistant Coating	Electrocoating of Firestone's fasteners exhibit 15% or less red rust after 30 cycles of Kesternich and exceed requirements of FM 4470.
Color	Red (PMS 485)

Galvalume® is a registered trademark of BIEC International, Inc

Please contact Firestone Technical Services at 1-800-428-4511 for further information.

*This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications or other technical documents, subject to normal roof manufacturing tolerances. 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.*