

TECHNICAL INFORMATION SHEET

Pre-Assembled HD and HD Seam Plate

Item Number:

- 3" W56TPO3103
- 4" W56TPO3104
- 5" W56TPO3105
- 6" W56TPO3106
- 7" W56TPO3107
- 8" W56TPO3108
- 10" W56TPO3110



Product Information

Description:

The Firestone Pre-Assembled HD & HD Seam Plates are specifically designed to be used as a seam attachment for Firestone UltraPly™ TPO Mechanically Attached Roofing Systems. The assemblies may be used into steel, wood and structural concrete decks.

Product Packaging

Screw Length	Thread Length	Pieces per Carton	Cartons per Pallet
3" (76.2 mm)	Full	250	45
4" (102.0 mm)	3" (76.2 mm)	250	45
5" (127.0 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" (254.0 mm)	4" (101.6 mm)	125	30

Method of Application:

1. The assembly is installed in the seam in accordance with Firestone Specifications by hand or by using the Firestone SETTER TOOL (W563582035).
2. 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 the 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.

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.

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LEED® Information:

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



Typical Properties

Property-Metal Plate	Value
Material	Galvalume® Sheet Steel AZ-50 or AZ-55
Thickness	0.036" (0.91 mm) nom.
Shape	2.375" (60.3 mm) Round Plate
Corrosion Resistance	Meets FM No. 4470 criteria
Pull Through Resistance	700 lbf (317.5 kgf) min.
Property-Fastener	
Material	SAE 1022 steel, hardened
Thread Size	0.275" (6.88 mm) nom. diameter
Thread Type	Buttress thread
Head Type	#3 Phillips
Point Type	Drill Point
Pullout	
Pullout in New 22 ga (0.76 mm) Steel Deck Grade C (Grade 33): Grade E (Grade 80):	595 lb (270 kg) minimum 650 lb (295 kg) minimum
Pullout in New ½" (12.7 mm) Plywood	360 lb (163 kg) min.
New Structural Concrete	700 lb (317 kg) min.
Corrosion Resistance Coating	Electrocoating of Firestone's Red fasteners both 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.

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