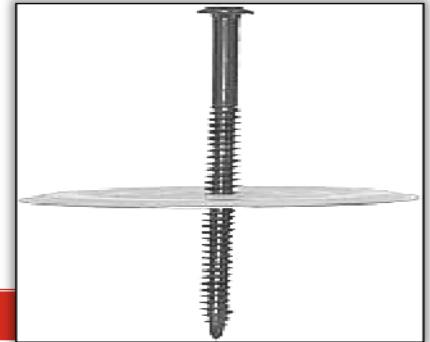


TECHNICAL INFORMATION SHEET

Pre-Assembled #12 Fastener and Plate

Item Number:

| | |
|-----------------|---------------|
| 2 ¼" W56RAC4162 | 7" W56RAC4169 |
| 2 ⅞" W56RAC4163 | 8" W56RAC4170 |
| 3 ¼" W56RAC4164 | |
| 3 ¾" W56RAC4165 | |
| 4 ½" W56RAC4166 | |
| 5" W56RAC4167 | |
| 6" W56RAC4168 | |



Product Information

Description:

The Firestone Pre-Assembled #12 Fastener and Plate is specifically designed to be used in all Firestone roof systems to pre-attach insulation or base sheets to steel and wood decks.

Product Packaging

| Screw Length | Thread Length | Pieces per Plastic Pail | Pails per Pallet |
|-----------------|---------------|-------------------------|------------------|
| 2 ¼" (57.15 mm) | Full | 250 | 40 |
| 2 ⅞" (73.03 mm) | Full | 250 | 40 |
| 3 ¼" (82.55 mm) | Full | 250 | 40 |
| 3 ¾" (95.25 mm) | Full | 250 | 40 |
| 4 ½" (114.3 mm) | 4" (101.6) | 250 | 24 |
| 5" (127.0 mm) | 4" (101.6) | 250 | 24 |
| 6" (152.4 mm) | 4" (101.6) | 250 | 24 |
| 7" (177.8 mm) | 4" (101.6) | 250 | 24 |
| 8" (203.2mm) | 4" (101.6) | 250 | 24 |

Method of Application:

1. 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).
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: These fasteners may not work as expected through existing roof systems or unusual substrates. Consideration should be given to using Firestone HD fasteners in these instances.

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 #12 Fastener and Plate

LEED® Information:

Post Consumer Recycled Content: 0%
Pre Consumer Recycled Content: 25%
Manufacturing Locations: Bryan, OH
*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



Physical Properties

| <u>Property: Metal Insulation Plate</u> | <u>Typical Performance</u> |
|---|--|
| Material: | AZ50 min 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) |
| <u>Property: Fastener</u> | |
| Material: | SAE 1022 heat treated steel |
| Thread Diameter: | Nominal 0.2135" (5.42 mm) Major dia., 15½ Threads/Inch |
| Thread Type: | Double Lead |
| Point Style: | Drill Point |
| Screw Pullout: | |
| New 22 ga. (.76 mm) Steel Deck | Min. 400 lb (181.4 kg) |
| New 15/32" (11.9 mm) Plywood | Min. 375 lb (170.1 kg) |
| 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 Quality Building Services Technical Department at 1-800-428-4511 for further information.

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