

# Technical Information Sheet



## Pre-Assembled #12 Fasteners and Plate

Size	Item Number
2 1/4"	W56RAC4162
2 7/8"	W56RAC4163
3 1/4"	W56RAC4164
3 3/4"	W56RAC4165
4 1/2"	W56RAC4166
5"	W56RAC4167
6"	W56RAC4168
7"	W56RAC4169
8"	W56RAC4170
10"	W56RAC4172
12"	W56RAC4174

## Description

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

## Method of Application

1. Position assembly over roof insulation or base sheet as specified in current Elevate Technical Specifications and Details by hand or by using Elevate SETTER TOOL (W563582035).
2. Using Elevate 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 Elevate HD fasteners in these instances.

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 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.

## LEED® Information

Post-Consumer Recycled Content: 0%  
 Pre-Consumer Recycled Content: 25%  
 Manufacturing Location: Bryan, OH



NOTE: LEED® is a registered trademark of the U.S. Green Building Council

Typical Properties	
Property: Metal Insulation Plate	Typical Performance
Material	AZ50 min Galvalume® Sheet Steel
Thickness	0.017" (.43 mm)-0.023" (.58 mm)
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 dia., 15½ Threads/Inch
Thread Type	Double Lead
Point Style	Drill Point
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 Elevate's fasteners exhibit 15% or less red rust after 30 cycles of Kesternich and exceed
Color	Red (PMS 485)

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

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