

# Technical Information Sheet



## Heavy Duty Plus Fastener

Red Fasteners		Red Fasteners	
Size	Item Number	Size	Item Number
2"	W56RAC4282	7"	W56RAC4287
3"	W56RAC4283	8"	W56RAC4288
4"	W56RAC4284	9"	W56RAC4289
5"	W56RAC4285	10"	W56RAC4290
6"	W56RAC4286		

## Description

Heavy Duty 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 Elevate metal, polymer batten strips or Heavy Duty Plus Seam Plates where additional pullout strength is required. The Heavy Duty Plus Fastener is designed for use into steel decks only.

## Method of Application

1. The Heavy Duty 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.
2. When using Heavy Duty Plus Fasteners to secure Elevate Batten Strips, 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 Heavy Duty Plus Fastener through the batten without pre-drilling. It is suggested that if alignment is a problem, the batten strip simply be cut and realigned with the top flute of the deck, then attachment through the pre-punched holes continue.
3. Using the #3 Phillips tip provided, engage the fastener into the deck as noted below. Take care not to over or under drive the fastener. Threads must engage the decking material per Elevate Technical Specification. Select fastener length to penetrate through the 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 any drilling operation.

## LEED® Information

Post-Consumer Recycled Content: 25%  
 Pre-Consumer Recycled Content: 0%  
 Manufacturing Location: West Chicago, IL



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

Product Packaging		
Fastener Length	Thread Length	Pieces per
2" (50.8 mm)*	Full	1,000
3" (76.2 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
10" (254.0 mm)	4" (101.6 mm)	250

\*12" fasteners are available by special order only.

Typical Properties	
Property	Typical Performance
Material	SAE 1022, Heat Treated Steel
Thread Size	0.330" (8.4 mm) Major Diameter
Threads/Inch	12.5
Thread Design	Buttress thread
Fastener Tip	Drill point design
Fastener Head	Pan head, #3 Phillips
Head Diameter	0.660" (13.9 mm) minimum
Pullout in New 22-gauge (0.76 mm) Steel Deck	
Grade C (Grade 33):	640 lb (290.3 kg) minimum
Grade E (Grade 80):	740 lb (335.7 kg) minimum
Corrosion Resistant Coating	Electrocoating of Elevates Red fasteners both exhibit 15% or less red rust after 30 cycles of Kesternich and exceed
Corrosion Resistant Coating	Electrocoating of fasteners exhibit 15% or less red rust after 30 cycles of Kesternich and exceed requirements of FM 4470.

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

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