

Technical Information Sheet



Ace Fasteners #15 FATnSTRONG Roof Fasteners High Performance Commercial Roof System Fasteners

Ace F.A.T #15 Fastener General		
Size	Part #	Color
4" (101.6 mm)	ACE-FS15-4INB	Black
5" (127.0 mm)	ACE-FS15-5INB	Black
6" (152.4 mm)	ACE-FS15-6INB	Black
8" (203.2 mm)	ACE-FS15-8INB	Black
12" (304.8 mm)	ACE-FS15-12INB	Black



Product Information

Description:

The Ace #15 FATnSTRONG are designed to be used with Ace Screws Insulation and Membrane Plates to secure ridged insulation, base sheet, EPDM, TPO, PVC, to steel or wood structural decks. Fasteners ranging in length from 4" to 12" are available to meet a variety of commercial roofing applications.

Method of Application:

1. Using the #3 Phillips tip provided, and a variable speed drill, engage the fastener into the deck as noted below. Do not over or under drive the fastener. Threads must engage the decking material per Technical Specifications.
2. Determine screw length as follows:
 - a. Steel Decks: Select fastener length to penetrate through the deck a minimum of 3/4" (19.1 mm).
 - b. Wood Decks: Select fastener length to penetrate into or through the deck a minimum of 1" (25.4 mm).
3. Ace #15 Fasteners may not work as expected through existing roof systems or unusual substrates.

Storage:

Store in original, unopened packaging protected from the weather.

Precautions:

Eye protection must be worn during the installation of the fasteners.

Ace Screws' products and specifications are subject to change without notice.

Neither Ace Screws nor its representatives practice architecture/engineering. Ace Screws offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Ace Screws 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 Ace Screws representative is authorized to vary this disclaimer.

Technical Information Sheet



Product Packaging				
Screw Length	Thread Length	Pieces per Box	lbs. Per Package	Packages per Pallet
4" (101.6 mm)	3" (76.2 mm)	1,000	29lbs	50
5" (127.0 mm)	4" (101.6 mm)	1,000	47lbs	50
6" (152.4 mm)	4" (101.6 mm)	500	29lbs	50
8" (203.2 mm)	4" (101.6 mm)	500	37lbs	50
12" (304.8 mm)	5" (127.0 mm)	500	55lbs	50

Typical Properties	
Property	Typical Performance
Material	Manufactured using SAE 1022 HEAT TREATED STEEL
Threads/Inch	13
Fastener Tip	High Performance Drill Point
Fastener Head	#3 Phillips Drive

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information are intended as a guide and does not reflect the specification range for any particular property of this product.

Ace #15 Fastener Typical Maximum Test Results			
3rd Party Independent Lab: SGS SA / Element Materials Technology		Pull Out Test Results	
ASTM F606/F606M-2019	Results	Size	Results
Tensile	5230 lbf	22, 20, 18 Ga Steel Deck	600+ lbf
Shear Test	3025 lbf		
Torque Test	180 lbf		
ASTM B117	Less than 15% Red Rust		