

TECHNICAL INFORMATION SHEET

Extra Heavy Duty Roofing Fastener

High Performance Commercial Roof System Fasteners



ACE FATnSTRONG™ #15 Fastener			
BLACK e-coat Fasteners		SILVER Dip and Spin Fasteners	
Size	Part #	Size	Part #
3" (76.2 mm)	ACE-FS15-3INB	3" (76.2 mm)	ACE-FS15-3INS
4" (101.6 mm)	ACE-FS15-4INB	4" (101.6 mm)	ACE-FS15-4INS
5" (127.0 mm)	ACE-FS15-5INB	5" (127.0 mm)	ACE-FS15-5INS
6" (152.4 mm)	ACE-FS15-6INB	6" (152.4 mm)	ACE-FS15-6INS
7" (177.8 mm)	ACE-FS15-7INB	7" (177.8 mm)	ACE-FS15-7INS
8" (203.2 mm)	ACE-FS15-8INB	8" (203.2 mm)	ACE-FS15-8INS
10" (254.0 mm)	ACE-FS15-10INB	10" (254.0 mm)	ACE-FS15-10INS
12" (304.8 mm)	ACE-FS15-12INB	12" (304.8 mm)	ACE-FS15-12INS
14" (355.6 mm)	ACE-FS15-14INB	14" (355.6 mm)	ACE-FS15-14INS

PRODUCT INFORMATION

Description:

The Ace #15 FATnSTRONG™ Roofing Fasteners 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 3" to 14" are available to meet a variety of commercial roofing applications.

Method of Application:

- 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.
- Determine screw length as follows:
 - 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 into or through the deck a minimum of 1" (25.4 mm).
- 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.

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Product Packaging

Screw Length	Thread Length	Pieces per Box	lbs. Per Package	Packages per Pallet
3" (76.2 mm)	Full	1,000	32lbs	60
4" (101.6 mm)	3" (76.2 mm)	1,000	41lbs	60
5" (127.0 mm)	4" (101.6 mm)	1,000	50lbs	40
6" (152.4 mm)	4" (101.6 mm)	500	31lbs	60
7" (177.8 mm)	4" (101.6 mm)	500	35lbs	60
8" (203.2 mm)	4" (101.6 mm)	500	40lbs	60
10" (254.0 mm)	5" (127.0 mm)	500	50lbs	24
12" (304.8 mm)	5" (127.0 mm)	500	59lbs	24
14" (355.6 mm)	5" (127.0 mm)	500	69lbs	24

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.

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Ace #15 Fastener Minimum Specification (Actual Test Results)

3 rd Party Independent: (SGS SA Element Materials Technology)			Pull Out Test Results		
ASTM F6096/F606M-2019	Minimum	Average	Ga, ksi	Minimum	Average
Tensile	4429 lbf	4467 lbf	22 Ga, 33 ksi	500 lb	579 lb
Shear Test	2020 lbf	2124 lbf	20 Ga, 33 ksi	700 lb	718 lb
Torque Test	133 lbf-in	137 lbf-in			
DIN 50018 15 cycles Kesternich	Specification	Average			
Black e-coat	<15 % red rust	<5% red rust Exceeds FM 4470 Requirements			
Silver Dip and Spin	<15 % red rust	0% red rust Exceeds FM 4470 Requirements			