

# isofast® Product Data Sheet for Firestone Building Products Roof Systems



## #12 Belted Fasteners:

### Collated fastener for Insulation Securement

isofast belted fasteners are designed for use with the IF-160 or IF-240 automatic installation system.

### For insulation attachment:

IF-L-70x70 Galvalume plate



### Phillips Head Fastener

Material: Case hardened carbon steel  
 Thread Diameter: 0.222"  
 Shank Diameter: 0.167"  
 Head Diameter: 0.448"  
 Head Style: #3 Phillips  
 Point Type: Drill point  
 Coating: SFS intec e-coat  
 Meets FM 4770 corrosion protection

### Pull-out Values

Steel Deck:	18 ga.	787 lbs.
	22 ga.	513 lbs.
	20 ga.	695 lbs.
Plywood:	3/4"	575 lbs.
2X Dim Lumbs:	1" pen.	462 lbs.

Pull-out values obtained from laboratory testing.  
 Field testing should be conducted to obtain exact results for each specific application.

<u>Size</u>	<u>Firestone Part #</u>	<u>Thread Length</u>	<u>Pieces/Ctn</u>	<u>Weight/Ctn</u>
#12 x 2-1/4"	W56RACB22A	Full	750	13
#12 x 2-7/8"	W56RACB22B	Full	750	15
#12 x 3-1/4"	W56RACB23A	Full	750	17
#12 x 3-3/4"	W56RACB23B	Full	750	20
#12 x 4-1/2"	W56RACB24A	4"	750	23
#12 x 5"	W56RACB25A	4"	750	25
#12 x 6"	W56RACB26A	4"	750	30
#12 x 7"	W56RACB27A	4"	750	36
#12 x 8"	W56RACB28A	4"	500	40
IF-L-70x70 insul. plate	W56RACBPIN	N/A	750	61

### Application

Fasteners are designed for the attachment of insulation to steel (18-24 ga.) and wood. To meet FM requirements, the fastener must penetrate the high rib of the steel deck 3/4". Minimum penetration in wood is 1". Firestone belted fasteners and plates **must** be installed using the IF-160 or IF-240 automatic installation tool available from SFS intec. Use of the IF-160 and IF-240 installation tool ensures reliable and consistent fastener and plate setting. Use the IF-160 to install belted fasteners up to 6" in length, and use the IF-240 for belted fasteners 7" or greater in length.

SFS intec, Inc.  
 Wyomissing, PA 19610  
 Phone: 800-DEKFAST  
 fax: 610-376-8551  
 www.sfsintecusa.com



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## #15 isofast Belted:

### Collated fastener for membrane attachment

The #15 *isofast* Belted fastener is designed for automatic installation and is engineered to provide exceptional membrane system performance. The #15 *isofast* belted fastener offers these technical advantages:

- Superior pull-out performance.
- Specially designed buttress thread for increased back-out resistance.
- Expanded Factory Mutual Ratings
- Approved for steel and wood decks



### #15-13 Phillips Head Fastener

Material: Case hardened carbon steel  
 Thread Diameter: 0.260"  
 Shank Diameter: 0.205"  
 Head Diameter: 0.435"  
 Head Style: #3 Phillips recess  
 Point Type: Reduced drill point  
 Coating: SFS intec e-coat  
 Meets FM 4770 corrosion protection

### Pull-out Values

Steel Deck:	18 ga.	1140 lbs.
	20 ga.	898 lbs.
	22 ga.	706 lbs.
Plywood:	3/4"	703 lbs.

### Seam Barbed Plate

Diameter: 2-3/8"  
 Material: AZ 50  
 Thickness: 0.040"

Size	Firestone Part #	Thread Length	Pieces/Ctn	Weight/Ctn
#15 x 2"	W56RACB52A	Full	1000	20
#15 x 3"	W56RACB53A	Full	1000	31
#15 x 4"	W56RACB54A	Full	500	20
#15 x 5"	W56RACB55A	4"	500	30
#15 x 6"	W56RACB56A	4"	500	32
#15 x 7"	W56RACB57A	4"	500	35
#15 x 8"	W56RACB58A	4"	500	38
#15 X 9"	W56RACB59A	4"	500	44
2-3/8" Barbed Plates	W56RACBme	N/A	500	24

### Application

Fasteners are designed for the attachment of membrane to steel (18-24 ga.) and wood. To meet FM requirements, the fastener must penetrate the high rib of the steel deck 3/4". Minimum penetration in wood is 1". *isofast* belted fasteners and plates must be installed using the *isofast* automatic installation tool available from SFS intec. Use of the *isofast* installation tool ensures reliable and consistent fastener and plate setting. Use the IF-160 to install belted fasteners up to 6" in length, and use the IF-240 for belted fasteners 7" or greater in length.

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