



IsoFast™ #12 Belted Fastener

Firestone Item Number:

2 1/4" W56RACB22A	4 1/2" W56RACB24A
2 7/8" W56RACB22B	5" W56RACB25A
3 1/4" W56RACB23A	6" W56RACB26A
3 3/4" W56RACB23B	

DESCRIPTION:

Firestone IsoFast™ Belted Fasteners are designed for the attachment of insulation to steel (18-24 gage) and wood. The IsoFast Belted Fasteners must be installed with the IF160 automatic installation tool available from SFS Intec. When used for insulation attachment, the Firestone IFC/PH 2.75" x 2.75" (70 mm x 70 mm) plate is used. Use of the IF160 tool ensures reliable and consistent fastener and plate setting.



METHOD OF APPLICATION:

Follow the operating instructions packaged with each IF 160 automatic fastening tool. The belted fasteners and square insulation plates are loaded into the tool as described in the instructions. Care must be taken during installation so that the plates are installed flat on the insulation material and can no longer be turned using two fingers. Plates should be installed in accordance with the specific system as described in the Firestone Building Products Company Technical Manual.

Contact your Firestone Technical Coordinator at 1-800-428-4511 for specific application information.

PRECAUTIONARY DATA:

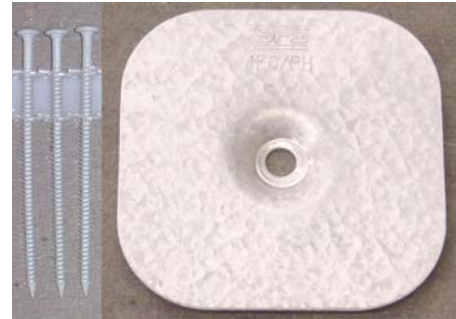
- When using the IF 160 automatic setting tool, appropriate safety precautions must be taken to prevent slipping or falling, depending on the pitch of the roof and the condition of the roofing surface (moisture, frost, ice, etc.).
- The setting tool must only be rolled forwards when in operation.

LEED INFORMATION:

Post Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 0%
 Manufacturing Locations: Wyomissing, PA
 Medinah, OH



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PRODUCT DATA

Metal Insulation Plate Properties

Material:	Low carbon steel, AZ 50 Galvalume®
Thickness:	0.040" (1.01 mm)
Shape:	2.75" x 2.75" (70 mm x 70 mm) with rounded corners
Corrosion Resistance:	Meets FM No. 4470 criteria
Pull Through Resistance:	Min. 400 lb (181.4 kg)

Galvalume® is a registered trademark of BIEC International, Inc.

Fastener Properties

Material:	Case hardened carbon steel
Thread Diameter:	0.222" (5.6 mm)
Shank Diameter:	0.167" (4.2 mm)
Head Diameter:	0.448" (11.4 mm)
Head Style:	#3 Phillips recess
Point Type:	Pinch point
Coating:	Gray Senti XP Exceeds FM 4470 for Corrosion protection

<u>Screw Length</u>	<u>Thread Length</u>	<u>Pieces/ Carton</u>	<u>Weight/ Carton</u>
2 1/4" (5.7 cm)	Full	750	16 lb (7.3 kg)
2 7/8" (7.3 cm)	Full	750	20 lb (9.1 kg)
3 1/4" (8.2 cm)	Full	750	22 lb (10.0 kg)
3 3/4" (9.5 cm)	Full	750	26 lb (11.8 kg)
4 1/2" (11.4 cm)	4" (10.2 cm)	750	30 lb (13.6 kg)
5" (12.7 cm)	4" (10.2 cm)	750	41 lb (18.6 kg)
6" (15.2 cm)			

Determine required screw length as follows:

- Steel Decks: Select fastener length to penetrate into or through the deck a minimum of 3/4" (19 mm)
- Wood Decks: Select fastener length to penetrate into or through the deck a minimum of 1" (25.4 mm)

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