

# STEEL AND WOOD



## Thermoplastic Single Ply and Multi-Ply Roofing Systems

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### PRODUCT DESCRIPTION

The Flex ASAP® 3P (Assembled Screw And Plate) is designed to secure insulation to steel and wood substrates. The Flex ASAP® is a Flex Standard Roofing Fastener assembled with a Flex 3" Plastic Locking Plate.

The Flex ASAP® is available in lengths from 2 1/4" to 8" in stock. Longer lengths are assembled to order.

### APPLICATION

The Flex ASAP® must penetrate steel decks a minimum of 3/4". Drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple.

For the fastest, most effective method of installation, use the Tall Boy® Installation Tool.

**Note:** Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate doesn't turn.

For steel decks, Factory Mutual requires that the fastener penetrate the deck at the top flute.

## FLEX ASAP® 3P ASSEMBLED SCREW AND 3" LOCKING PLASTIC PLATE



### Fast Facts

The Flex ASAP® is designed to secure insulation to steel and wood decks.

### FEATURES & BENEFITS

- The Flex ASAP® greatly reduces installation time and labor costs.
- The Flex Standard Roofing Fastener assembled with the Flex 3" Plastic Locking Plate.
- No special installation tool required.
- Locking plate prevents fastener pop up.

### COATING

Flex CR-10 corrosion resistant coating exhibits less than 15% red rust after 30 Kesternich cycles. CR-10 coating exceeds F.M. Approval Standard 4470.

### PLATES & ACCESSORIES

For best installation results, use a variable speed 0-2500 rpm screw gun. For the fastest, most effective method of installation, use the Tall Boy® Installation Tool. See Accessories section.

### PHYSICAL DATA

	Cat. No.	Length	Thread Length	Packaging	Weight
The data below is constant for each Flex ASAP® 3P Fastener.	<b>CR214PLL3S</b>	<b>2 1/4"</b>	<b>Full</b>	<b>250</b>	<b>11 lb</b>
<b>Thread Diameter:</b> .220	<b>CR278PLL3S</b>	<b>2 7/8"</b>	<b>2 5/8"</b>	<b>250</b>	<b>12 lb</b>
<b>Head Diameter:</b> .435	<b>CR314PLL3S</b>	<b>3 1/4"</b>	<b>3"</b>	<b>250</b>	<b>13 lb</b>
<b>Head Style:</b> #3 Phillips Truss Head*	<b>CR334PLL3S</b>	<b>3 3/4"</b>	<b>3"</b>	<b>250</b>	<b>14 lb</b>
<b>Coating:</b> CR-10	<b>CR412PLL3S</b>	<b>4 1/2"</b>	<b>3"</b>	<b>250</b>	<b>16 lb</b>
<b>Plate Material:</b> Polypropylene	<b>CRST5PLL3S</b>	<b>5"</b>	<b>3"</b>	<b>250</b>	<b>18 lb</b>
	<b>CRST6PLL3S</b>	<b>6"</b>	<b>4"</b>	<b>250</b>	<b>19 lb</b>
	<b>CRST7PLL3S</b>	<b>7"</b>	<b>4"</b>	<b>250</b>	<b>20 lb</b>
*#3 Phillips bit included in each carton.	<b>CRST8PLL3S</b>	<b>8"</b>	<b>4"</b>	<b>250</b>	<b>22 lb</b>

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## FLEX ASAP® 3P ASSEMBLED SCREW AND PLATE

### SPECIFICATIONS

The fastener will be a Flex ASAP® with a thread diameter of .220. The fastener must have 12.5 threads per inch and a 30° spade point. Also, the fastener must be heat treated per specification OMG-1. The Flex ASAP® Fastener will be preassembled with a Factory Mutual approved, Flex 3" Plastic Locking Plate. The fastener must be Factory Mutual approved and made in America.

### COATING REQUIREMENT

The fastener will be coated with the Flex CR-10 corrosion resistant coating. When subjected to 30 Kesternich cycles (DIN 50018), the fastener must show less than 15% red rust and surpass Factory Mutual Approval Standard 4470.

### APPLICATION

The Flex ASAP® must penetrate the deck a minimum of 3/4". Using a screwshooter, drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple.

**Note:** Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate doesn't turn. Factory Mutual requires that the fastener penetrates the steel deck at the top flute.

### PHYSICAL DATA

Head Diameter: .435    Head Style: #3 Phillips Truss    Thread Diameter: .220  
Packaging: 250/carton

### FLEX ASAP® 3P LENGTH SELECTION PROCEDURE

1. If applicable, determine thickness of existing roofing material.
2. Add thickness of new insulation.
3. Add 3/4" minimum fastener penetration.
4. If odd size requirement, always size up in length, not down. See example.

#### **Example**

Existing Roofing:	<u>1 3/4"</u>
New Insulation:	<u>1/2"</u>
Min. Embedment:	<u>3/4"</u>
Total Fastening	<u>3"</u>

Range:

The proper Flex ASAP® 3P for this example is 3 1/4".

Existing Roofing:	_____
New Insulation:	_____
Min. Embedment:	<u>3/4"</u>
Total Fastening	_____

Range:

Use this format to calculate your correct fastener size.



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