

LIGHTWEIGHT INSULATING CONCRETE



Thermoplastic Single Ply and Multi-Ply Roofing Systems

800-969-0108 • 610-916-9501 (Fax)

2670 Leisz's Bridge Road, Suite 400, Leesport, PA 19533

e-mail: flexroof@cs.com • www.flexroofingsystems.com

PRODUCT DESCRIPTION

The Flex CR-Base Sheet Fastener is a one piece unit, precision formed from G-90 galvanized steel, coated with CR-10. A Flex Pogo Stick or wooden mallet should be used to install the fastener. This fastener is designed to secure base sheets to a minimum 2" thickness of poured lightweight insulating concrete.

APPLICATION

Lightweight insulating concrete or gypsum must be surface dry and reasonably smooth prior to roofing. For the best performance, the fastener should always be installed perpendicular to the substrate.

Note: Prior to job start, contact roof cover manufacturer to determine the correct nailing pattern. On reroofing applications, prior to job start, roof should be inspected or tested to determine the pullout values.

PHYSICAL DATA

Base Sheet Fastener: Head Size: 1.125" x 1"
Leg Length: 1.75"

Material Thickness: .014 nominal

Material: G-90 galvanized with CR-10 coating

Plate:

Diameter: 2.75" Material: Galvalume®

Material Thickness: .014 nominal

Packaging:

Assembled: 500 per carton

Standard: 1000 per carton

Plate: 1000 per carton

Shipping Weight: 21 lbs.

Shipping Weight: 20 lbs.

Shipping Weight: 20 lbs.

Catalog Number:

Assembled CR-Base Sheet Fastener: CRBSA134

Standard CR-Base Sheet Fastener: CRBF134

Base Sheet Plate: BFSP3

CR-BASE SHEET FASTENER STANDARD OR ASSEMBLED



Fast Facts

The Flex CR-Base Sheet Fastener is designed to secure base sheets to lightweight insulating concrete.

FEATURES & BENEFITS

- CR-Base Sheet Fastener & Plate meets F.M. Class I-150 Wind Uplift requirements when installed in accordance with FM requirements.
- Assembled CR-Base Sheet Fastener greatly reduces installation time and labor cost.
- Assembled Base Sheet Fasteners are packaged for easy handling on roof.
- Entire fastener is CR-10 coated to prevent in-place corrosion.

COATING

Flex CR-10 corrosion resistant coating. CR-10 coating exceeds F.M. Approval Standard 4470.

PLATES & ACCESSORIES

Assembled CR-Base Sheet Fastener is assembled with a Galvalume® 2 .75" plate.

Use the Flex Pogo Stick to install the fastener. See Accessories section.

LIGHTWEIGHT INSULATING CONCRETE

CR-BASE SHEET FASTENER

STANDARD OR ASSEMBLED

SPECIFICATION

The fastener will be a Flex CR-Base Sheet Fastener with a head size of 1.125" and a leg length of 1.75". For FM applications, the fastener must be installed with a Factory Mutual approved, Flex Base Sheet Galvalume® plate. The complete fastener, head and legs, must be CR-10 coated. 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. Fastener must meet Factory Mutual Approval Standard 4470. The plate must be Galvalume® and also meet Factory Mutual Approval Standard 4470.

APPLICATION

The Flex CR-Base Sheet Fastener will be embedded into a minimum of 2" of poured lightweight insulating concrete. Lightweight insulating concrete must be surface dry. For best performance, the fastener should always be installed perpendicular to the substrate. Installation of fasteners too far apart or too close together can result in interaction of forces on the substrate and lead to a reduction of fastener performance.

Note: On reroofing applications, prior to job bid, roof deck should be inspected or tested to determine the pullout values.

PHYSICAL DATA

CR-Base Sheet Fastener: Head Size: 1.125" x 1" Leg Length: 1.75"

Material: G-90 galvanized and CR-10 coated steel Material Thickness: .014 Nominal

Plate: Diameter: 2.75" Material: Galvalume® Material Thickness: .014 Nominal

Packaging: Assembled: 500/carton Standard: 1000/carton Plates: 1000/carton

F.M. APPROVED CR-BASE SHEET FASTENER NAILING PATTERNS

Due to frequent changes in Factory Mutual requirements for the securement of base sheets to various lightweight concrete decks, please contact the roof cover manufacturer or Flex for up-to-date information on approved fastening patterns.



Thermoplastic Single Ply and Multi-Ply Roofing Systems

800-969-0108 • 610-916-9501 (Fax)
2670 Leisz's Bridge Road, Suite 400, Leesport, PA 19533
e-mail: flexroof@cs.com • www.flexroofingsystems.com