

CR-Base Sheet Fastener

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

The Flex Assembled CR-Base Sheet Fasteners are one-piece, precision formed from G-90 galvanized steel, coated with CR-10 and assembled with a 2.75-in. diameter Galvalume® plate. These fasteners are designed to secure base sheets to poured lightweight insulating concrete or various gypsums*.

The Flex Assembled CR-Base Sheet Fastener is Factory Mutual and Miami-Dade County approved and is installed with a Flex MultiPogo Stick or wooden mallet.

***Caution: Only the CR 1.2 Base Sheet Fastener can be installed in some gypsum decks.** A pull test is required to determine suitability.

FEATURES & BENEFITS

- Flex Assembled CR-Base Sheet Fasteners are FM and Miami-Dade County approved.
- Assembled fasteners greatly reduce installation time and labor cost.
- CR-Base Sheet Fasteners are packaged for easy handling on the roof.
- Entire fastener "legs" are CR-10 coated to prevent in-place corrosion.

COATING

CR-10 corrosion resistant coating passes the corrosion requirements of FM Approval Standard 4470 and ETAG 006.

APPLICATION

Surfaces must be surface dry and reasonably smooth prior to roofing. For best

performance, the fastener should always be installed perpendicular to the substrate.

CR 1.2 BSF – Are designed for use on minimum 1.25-in. thick poured lightweight insulating concreted and some gypsum decks. A pull test is required to determine suitability.

CR (1.75) BSF – Are designed for use on minimum 2-in. thick poured lightweight insulating concreted decks only. **Not to be used on poured gypsum decks.**

Flex Assembled CR-Base Sheet Fasteners are FM approved and rated to 1-150 with certain fastener, base sheet and insulating concrete combinations. Consult the roofing system manufacturer for specific wind ratings.

Note: Prior to job start, contact roof cover manufacturer to determine the correct fastening pattern. On re-roofing applications, prior to job start, roof should be inspected and pull tests should be completed to determine the pullout values.

ACCESSORIES

Use a Flex MultiPogo to install the fastener. See Accessories section.



APPROVALS



USE WITH
LWIC
G
DECK TYPES

PHYSICAL DATA **

The data below is constant for each Flex CR-Base Sheet Fastener.

HEAD		LEGS	
1.125" x 1"		1.2"	1.75"
MATERIAL		PLATE	
G-90 Galvanized CR-10 Coated Fastener .014" Thickness		2.75" Diameter Galvalume	

ORDERING INFORMATION

CAT. NO.	LENGTH	PKG	WEIGHT
CRBSA134	1.75"	500	21 lbs.
CRBSA120	1.20"	1000	37 lbs.
MULTIPOGO	39.5"	1	25 lbs.

**All dimensions are nominal.

FlexTM
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KEY:

S Steel	SC Structural Concrete
W Wood	LC Lightweight Concrete
G Gypsum	LWIC Lightweight Insulating Concrete
P Purlins	CWF Cementitious Wood Fiber

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SPECIFICATION

The fastener will be a Flex Assembled CR-Base Sheet Fastener (or CR 1.2 Base Sheet Fastener). The fastener comes assembled with a 2.75-in. diameter Galvalume® plate. The fastener head and legs must be CR-10 coated. The fastener must be Factory Mutual approved.

COATING REQUIREMENT

The fastener will be coated with the CR-10 corrosion resistant coating which passes the corrosion requirements of FM Approval Standard 4470 and ETAG 006.

APPLICATION

Flex **1.75 CR-Base Sheet Fastener** will be embedded into a minimum of 2-in. of poured lightweight insulating concrete. The Flex **CR 1.2 Base Sheet Fastener** will be embedded into a minimum of 1¼-in. of poured lightweight insulating concrete or various gypsums. Substrates must be surface dry. For best performance, the fastener should always be installed perpendicular to the substrate. Installation of fasteners too far apart to too close together can result in interaction of forces on the substrate and lead to a reduction of fastener performance.

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

PHYSICAL DATA **

The data below is constant for each Flex CR-Base Sheet Fastener.

HEAD		LEGS	
1.125" x 1"		1.2"	1.75"
MATERIAL		PLATE	
G-90 Galvanized CR-10 Coated Fastener		2.75" Diameter Galvalume	
.014" Thickness		PACKAGING	
		1000	500

**All dimensions are nominal.

FM APPROVED FASTENING PATTERNS

Due to frequent changes in Factory Mutual requirements for securing base sheets to various lightweight concrete and gypsum decks, please contact the roof cover manufacturer for up to date information on approved fastening patterns.

Flex™

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