

# Drill-Tec™ CR 1.2 Base Sheet Fastener With Plate

Data Sheet

Updated: 1/10



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# DRILL-TEC™

## CR 1.2 BASE SHEET FASTENER WITH PLATE

Use With:  
**Light-weight Insulating Concrete Decks**

### Description

The Drill-Tec™ CR 1.2 Base Sheet Fastener With Plate is precision formed from G-90 galvanized steel coated with CR-10 assembled to a 2.75" Galvalume® plate. A Pogo Stick or wooden mallet should be used to install the fastener. This fastener is designed to secure base sheets to a minimum 1.25" thickness of poured lightweight insulating concrete or various gypsums. The Drill-Tec™ CR 1.2 Base Sheet Fastener With Plate is Factory Mutual and Dade County approved.

### Application

The Drill-Tec™ CR 1.2 Base Sheet Fastener will be embedded into a minimum of 1.25" of poured lightweight insulating concrete or various gypsums. 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. 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. Drill-Tec™ CR 1.2 Base Sheet Fastener With Plate is FM approved with certain base sheet and insulated concrete combinations.

**Note:** On reroofing applications, prior to job start, verify pattern for specific deck type and roof cover; and test or inspect the roof deck to determine the pull-out values.

### Code Approvals



### Advantages

- The Drill-Tec™ CR 1.2 Base Sheet Fastener With Plate is FM and Dade County approved.
- Drill-Tec™ CR 1.2 Base Sheet Fastener With Plate exceeds FM Class I-90 Wind Uplift requirements when installed in accordance with I-90 nailing pattern.
- Assembled Drill-Tec™ CR 1.2 Base Sheet Fastener With Plate greatly reduces installation time and labor cost.
- Entire fastener is CR-10 coated to prevent in-place corrosion.

### Plates & Accessories

- CR 1.2 Base Sheet Fastener With Plate is assembled with a Galvalume® 2.75" plate.
- Use a Pogo Stick to install the fastener.

### Specifications

The fastener will be a Drill-Tec™ CR 1.2 Base Sheet Fastener with a head size of 1.125" and a leg length of 1.2". For high-wind applications, the fastener must be assembled with a Factory Mutual approved, Drill-Tec™ 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 the U.S.A.

### Coating Requirement

The fastener will be coated with the Drill-Tec™ CR-10 corrosion resistant coating. The fastener must meet Factory Mutual Approval Standard 4470. The plate must be Galvalume® and also meet Factory Mutual Approval Standard 4470.

### FM Approved CR 1.2 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 for up-to-date information on approved fastening patterns.

### Product Data

#### Base Sheet Fastener:

Head Size	1.125" x 1"
Leg Length	1.2"
Material	G-90 galvanized with CR-10 coating
Material Thickness	.014 nominal

#### Plate:

Diameter	2.75"
Material	Galvalume®
Material Thickness	.014 nominal
Packaging Assembled	1000 per carton
Shipping Weight	37 lbs.

#### Catalog Number:

CR 1.2 Base Sheet Fastener With Plate	459U
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