

# PARAFAST HD FASTENER



## Commercial Product Data Sheet

### Product Description and Product Uses

The Parafast HD Fastener is a heavy duty roofing screw which is precoated with CR-10 corrosion resistant coating. CR-10 coating exceeds FM Approval Standard 4470. The Parafast HD Fastener, in conjunction with the Parafast 3-inch metal plate, is designed to secure roof insulation and substrate panels, and base sheets in approved assemblies, to heavy steel decks (18 ga. – 20 ga.). The Parafast HD Fastener can also be used as an alternative to the Parafast CD-10 Fastener in applications over structural concrete roof decks. It is available in lengths from 1 1/4" to 16". The Parafast HD Fastener is Factory Mutual Approved and meets the code compliance requirements for Miami-Dade County, Florida.

### Product Application – Steel Decks

The Parafast Roofing Fastener must penetrate steel decks a minimum of 3/4". Using a screw gun recommended for roofing fasteners, drive the fastener until a slight depression is seen around the plate. When fastening through stiff, high-density rigid insulation boards, watch for the plate to dimple.

### Product Application – Concrete Decks

Minimum fastener embedment into the deck should be 1". The predrilled hole must be a minimum of 1/2" deeper than fastener embedment.

Predrill a 3/16" inch hole using a carbide drill bit. Using a screw gun recommended for roofing fasteners, drive the fastener until a slight depression is seen around the plate. When fastening through stiff, high-density rigid insulation boards, watch for the plate to dimple.

**Note:** Care must be taken to not overdrive the fastener and fracture the surface skin or facer of the panel. The fastener must be tight enough so that the plate doesn't turn.

For steel deck construction, Factory Mutual requires that the fastener penetrate the deck panel through the top flanges.

The Parafast HD Fastener should always be tested on site by a Siplast representative to determine withdrawal resistance and proper installation procedure. Call Siplast to schedule testing.

*Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at [www.Siplast.com](http://www.Siplast.com).*

### Physical Data

Thread Diameter: .245  
Shank Diameter: .190  
Head Diameter: .435  
Head Style: #3 Phillips Truss Head  
Drive Bit: #3 Phillips bit drive included in each carton.

### COMMERCIAL PRODUCT INFORMATION

Product No.	Length	Thread Length	Units/Box	Box Weight
H114	1 1/4"	Full	1000	12 lb
H134	1 3/4"	Full	1000	16 lb
H200	2"	Full	1000	18 lb
H300	3"	Full	1000	26 lb
H400	4"	3"	1000	35 lb
H500	5"	4"	500	22 lb
H600	6"	4"	500	26 lb
H700	7"	4"	500	30 lb
H800	8"	4"	500	34 lb
H900	9"	4"	500	37 lb
H1000	10"	4"	500	40 lb
H1100	11"	4"	500	44 lb
H1200	12"	4"	250	25 lb
H1400	14"	4"	250	29 lb
H1600	16"	4"	250	37 lb

Longer lengths available upon request. Contact Siplast for information.

Packaging: Corrugated boxes (various sizes)

**Note:** Sizing selection procedure is located on the back side of this page.

Rev 5/2018

# PARAFAST HD FASTENER

## PARAFAST HD FASTENER LENGTH SELECTION PROCEDURE METAL DECK

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 Range	<u>3"</u>

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

Use this form to calculate your correct fastener size.

The proper fastener length for this example is 3".

## PARAFAST HD FASTENER LENGTH SELECTION PROCEDURE CONCRETE DECK

1. If applicable, determine thickness of existing roofing material.
2. Add thickness of new insulation.
3. Add 1" 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>1"</u>
Total Fastening Range	<u>3 1/4"</u>

Existing Roofing	_____
New Insulation	_____
Min. Embedment	<u>1"</u>
Total Fastening Range	_____

Use this form to calculate your correct fastener size.

The proper fastener length for this example is 4".