

Drill-Tec™ Lite-Deck Fastener

Data Sheet

Updated: 1/10



*Quality You Can Trust Since 1886...
From North America's Largest Roofing Manufacturer™*



DRILL-TEC™ LITE-DECK FASTENER

Use
With:
**Gypsum,
Tectum®
& Light-
Weight
Decks**

Description

The Drill-Tec™ Lite-Deck Fastener is designed to secure insulation to gypsum, all cementitious wood fiber decks (Permadeck, Insulrock, Tectum®, etc.) It is available in lengths from 2-5/8" - 12". The Drill-Tec™ Lite-Deck Fastener is Factory Mutual and Dade County approved.

Application

The Drill-Tec™ Lite-Deck Fastener can be installed into cementitious wood fiber decks without pre-drilling. A pilot hole is required for gypsum. Hole size is determined by pull-out results.

The Drill-Tec™ Lite-Deck Fastener must penetrate the deck a minimum of 2". 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: Be careful not to overdrive the fastener, causing subsequent damage to the insulation facer. Fastener must be tight enough so that the plate doesn't turn.

Code Approvals



Advantages

- The Drill-Tec™ Lite-Deck Fastener is FM and Dade County approved.
- Deep, coarse thread provides high pull-out resistance.
- Can be installed into cementitious wood fiber decks without pre-drilling.

Plates & Accessories

- A specially designed 3" steel plate or batten bar can be used when securing insulation or membrane.
- For best application results, use a high torque, variable speed screw gun.

Specifications

The fastener will be a Drill-Tec™ Lite-Deck Fastener with a shank diameter of .312 and a thread diameter of .375. The fastener must have an 90° flat head with a #3 square drive. The Drill-Tec Lite-Deck Fastener will be used with a specially designed Factory Mutual approved, Drill-Tec 3" steel plate or pressure bar. 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. When subjected to 30 Kesternich cycles (DIN 50018), the fastener must show less than 15% red rust and surpass Factory Mutual Approval Standard 4470.

Product Data

Thread Diameter	.375
Shank Diameter	.312
Head Diameter	.712
Head Style	#3 Square Drive Flat Head*
Coating	CR-10

*#3 Square Bit included in each carton.

SKU #	Length	Thread Length	Packaging	Weight
457N	2 5/8"	Full	500	32 lbs
457O	3"	2 5/8"	500	36 lbs
457P	4"	3"	500	47 lbs
457Q	5"	3"	250	30 lbs
457R	6"	3"	250	36 lbs
457S	7"	3"	250	41 lbs
457T	8"	3"	250	46 lbs
457U	9"	3"	125	26 lbs
457V	10"	3"	125	29 lbs
457W	12"	3"	125	34 lbs

Drill-Tec™
Lite-Deck
Fastener



Example: Drill-Tec™ Heavy Duty Roofing Fastener Length Selection Procedure

1. If applicable, determine thickness of existing roofing material.
2. Add thickness of new insulation.
3. Add 2" minimum fastener penetration.

Note: When pre-drilling, allow extra 1/2".

4. If odd size requirement, always size up in length, not down. See example below.

Example

Existing Roofing:	1 3/4"
New Insulation:	+ 1/2"
Min. Embedment:	+ 2"
Total Fastening Range:	= 4 1/4"

The proper Lite-Deck Fastener for the example is 5".

Use this format to calculate correct fastener size:

Existing Roof:	
New Insulation:	+
Min. Embedment:	+ 2"
Total Fastening Range:	=

The proper Lite-Deck Fastener is: