

Lite-Deck Fastener

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

The OMG Lite-Deck Fastener is designed to secure insulation to gypsum, all cementitious wood fiber decks (Permadeck, Insulrock®, Tectum, etc.) and lightweight concrete. It is available in lengths from 2½-in. to 12-in. The OMG Lite-Deck Fastener is Factory Mutual and Miami-Dade County approved.

FEATURES & BENEFITS

- The OMG Lite-Deck Fastener is F.M. and Miami-Dade County approved.
- Deep, coarse thread provides high pullout resistance.
- Can be installed into cementitious wood fiber decks without predrilling.

COATING

OMG CR-10 corrosion resistant coating exhibits less than 15% red rust after 30 Kesternich cycles. CR-10 coating exceeds F.M. Approval Standard 4470.

APPLICATION

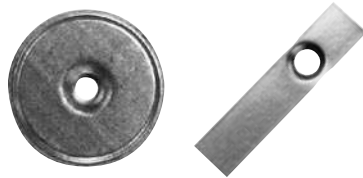
The OMG Lite-Deck Fastener can be installed into cementitious wood fiber decks without predrilling. A pilot hole is required for gypsum and lightweight concrete. Hole size is determined by pullout results.

The OMG Lite-Deck Fastener must penetrate the deck a minimum of 2-in. Using a screw gun, 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: Prior to job bid, contact OMG to perform a pullout test to determine the pullout values. Also, care must be taken not to overdrive the fastener, causing subsequent damage to the insulation facer. Fastener must be tight enough so that the plate does not turn.

PLATES & ACCESSORIES

A specially designed 3-in. steel plate or Lite-Deck Bar can be used when securing insulation or membrane. **See Plates section.**



For best application results, use a high torque, variable speed screw gun. **See Accessories section.**

APPROVALS



USE WITH
LC
G
CWF
 DECK TYPES

PHYSICAL DATA

The data below is constant for each OMG Lite-Deck Fastener.

HEAD	THREAD
#3 Square Drive Flat* .710" Diameter	.375" Diameter
SHANK	COATING
.312" Diameter	CR-10

*#3 square bit included in each carton.

ORDERING INFORMATION

CAT. NO.	LENGTH	THREAD	PKG	WEIGHT
TFSQ258	2½"	Full	500	32 lbs.
TFSQ3	3"	2½"	500	36 lbs.
TFSQ4	4"	3"	500	47 lbs.
TFSQ5	5"	3"	250	30 lbs.
TFSQ6	6"	3"	250	36 lbs.
TFSQ7	7"	3"	250	41 lbs.
TFSQ8	8"	3"	250	46 lbs.
TFSQ9	9"	3"	125	26 lbs.
TFSQ10	10"	3"	125	29 lbs.
TFSQ12	12"	3"	125	34 lbs.

RP10239

KEY:

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



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SPECIFICATION

The fastener will be an OMG 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 OMG Lite-Deck Fastener will be used with a specially designed Factory Mutual approved, OMG 3-in. steel plate or pressure bar. The fastener must be Factory Mutual approved and made in America.

COATING REQUIREMENT

The fastener will be coated with the OMG 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.

APPLICATION

The OMG Lite-Deck Fastener must penetrate the deck a minimum of 2-in. Using a screw gun, drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple.

The OMG Lite-Deck Fastener can be installed into cementitious wood fiber decks without predrilling. A pilot hole is required for gypsum and lightweight concrete. Hole size is determined by pullout results.

Note: Prior to job bid, contact OMG to perform pullout test to determine the pullout values. Also, care must be taken not to overdrive the fastener, causing subsequent damage to the insulation facer. Fasteners must be tight enough so that the plate does not turn.

PHYSICAL DATA

The data below is constant for each OMG Lite-Deck Fastener.

HEAD		THREAD	
#3 Square Drive Flat .710" Diameter		.375" Diameter	
SHANK		COATING	
.312" Diameter		CR-10	
		PACKAGING	
		125, 250, 500/carton	

LITE-DECK FASTENER LENGTH SELECTION PROCEDURE

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

Note: When predrilling, allow extra ½-in.

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

	Example:	Your Project:
Existing Roofing	1¾"	_____
New Insulation	½"	_____
Min. Embedment	2"	2"
Total Fastening	4¼"	_____
Correct Length	5"	_____

The proper Lite-Deck Fastener for this example is 5 inches.



ROOFING PRODUCTS

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