



# Lite-Deck Fastener

## PRODUCT DATA SPECIFICATIONS

### PRODUCT DESCRIPTION

The OMG Lite-Deck Fastener is designed to secure insulation and membrane\* to lightweight concrete, gypsum and all cementitious wood fiber decks. It is available in lengths from 2 $\frac{5}{8}$ -in. to 12-in. (65 to 305 mm). The OMG Lite-Deck Fastener is Factory Mutual and Miami-Dade County approved.

### FEATURES & BENEFITS

- The OMG Lite-Deck Fastener is FM and Miami-Dade County approved.
- Deep, coarse thread provides high pullout resistance.
- Can be installed into cementitious wood fiber decks without predrilling.
- 6-Lobe (T40) drive enhances installation and minimizes cam-outs.
- Available for installing insulation and membrane\*.

### COATING

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

### APPLICATION

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

The OMG Lite-Deck Fastener must penetrate the deck a minimum of 2-in. (51 mm). 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. (75 mm) steel plate can be used when securing insulation or Lite-Deck Batten Bar can be used when securing membrane\*. Lite-Deck Bar is 18 Ga. (1.3 mm Ga.) and available with 6- or 12-in. (150 or 300 mm) OC hole spacing. It comes in 10-ft. (3.05 m) lengths, 50 pieces/tube.



For best application results, use a high torque, variable speed screw gun.

### APPROVALS



\*The Lite-Deck fastener is only FM approved for use with Lite-Deck insulation plates for fully adhered and insulation securement applications. FM does not approve mechanically attached systems into Tectum or Gypsum. Always consult with roof system manufacturer for the latest approval ratings.

**Factory Mutual listings refer to this product as Lite-Deck and Lite-Deck Plate.**



USE WITH  
**LC**  
**G**  
**CWF**  
DECK TYPES

### PHYSICAL DATA \*\*

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

HEAD		THREAD	
6-Lobe(T40) Drive Flat .710-in. (18.03 mm) Diameter		.375-in. (9.53 mm) Diameter	
SHANK		COATING	
.312-in. (7.92 mm) Diameter		CR-10	

6-Lobe (T40) bit included in each carton.

### ORDERING INFORMATION

CAT. NO.	LENGTH IN (MM)	THREAD IN (MM)	PKG QTY	WEIGHT LBS (KG)
TFSL258	2 $\frac{5}{8}$ (65)	1 $\frac{3}{4}$ (45)	500	32 (14.52)
TFSL3	3 (75)	2 $\frac{1}{2}$ (54)	500	36 (16.34)
TFSL4	4 (100)	3 (76)	500	47 (21.33)
TFSL5	5 (125)	3 (76)	250	30 (13.62)
TFSL6	6 (150)	3 (76)	250	36 (16.34)
TFSL7	7 (175)	3 (76)	250	41 (18.61)
TFSL8	8 (200)	3 (76)	250	46 (20.88)
TFSL9	9 (230)	3 (76)	125	26 (11.80)
TFSL10	10 (255)	3 (76)	125	29 (13.16)
TFSL12	12 (305)	3 (76)	125	34 (15.44)
PLATES & BAR	SIZE IN (MM)		PKG QTY	WEIGHT LBS (KG)
TCP03	3 (75)	N/A	500	19 (8.62)
BAT18-6LD	6 (150) oc	18 Ga. (1.3) Lite-Deck	50	80 (36.32)

\*\*All sizes are nominal.

### KEY:

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



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### SPECIFICATION

The fastener will be an OMG Lite-Deck Fastener with a shank diameter of .312-in. (7.92 mm) and a thread diameter of .375-in. (9.53 mm). The fastener must have an 90° flat head with a 6-Lobe (T40) drive. The OMG Lite-Deck Fastener will be used with a specially designed Factory Mutual approved, OMG 3-in. (75 mm) steel plate or pressure bar. The fastener must be Factory Mutual approved.

### COATING REQUIREMENT

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

### APPLICATION

The OMG Lite-Deck Fastener must penetrate the deck a minimum of 2-in. (51 mm). 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. 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
6-Lobe (T40) Drive Flat .710-in. (18.03 mm) Diameter	.375-in. (9.53 mm) Diameter
SHANK	COATING
.312-in. (7.92 mm) Diameter	CR-10
	PACKAGING
	125, 250, 500/carton

All sizes are nominal.

### 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-in. (51 mm) minimum fastener penetration.

**Note: When predrilling, allow extra ½-in. (13 mm).**

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

	Example:	Your Project:
Existing Roofing	1¾-in. (45 mm)	
New Insulation	½-in. (13 mm)	
Min. Embedment	2-in. (51 mm)	2-in. (51 mm)
Total Fastening	4¼-in. (108 mm)	
Correct Length	5-in. (125 mm)	

The proper Lite-Deck Fastener for this example is 5-in. (125 mm).



## ROOFING PRODUCTS

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