



Fluted Nail

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

The OMG Fluted Nail is a hammer-in, non-threaded fastener designed to secure insulation and single-ply membrane to structural concrete. This fastener is available in 2-in. (50 mm) and 2½-in. (60 mm) lengths. The Fluted Nail is Factory Mutual and Miami-Dade County approved.

FEATURES & BENEFITS

- The OMG Fluted Nail is FM and Miami-Dade County approved.
- Spiral flutes greatly increase pullout resistance.
- Diamond point prevents hole damage.

APPLICATION

Predrill a 3/16-in. (5 mm) hole using an SDS or straight shank bit. The fastener is then installed with a 2 lb. (2.27 Kg) short-handle sledgehammer.

Minimum fastener embedment into the deck should be 1-in. (25 mm). The predrilled hole must be a minimum of 1/2-in. (13 mm) deeper than fastener embedment.

Note: Prior to job start, 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.

COATING

OMG CR-10 corrosion resistant coating passes the corrosion requirements of FM Approval Standard 4470 and EAD030351-00-0402.

PLATES & ACCESSORIES

Use appropriate steel or plastic plates, depending on the application.

PILOT HOLES

Use a 3/16-in. (5 mm) carbide tip SDS or straight shank drill bit.

APPROVALS



Factory Mutual listings refer to this product as Fluted Nail.



USE WITH **SC** DECK TYPES

PHYSICAL DATA *

The data below is constant for each OMG Fluted Nail.

HEAD	THREAD
.435" (11.04 mm) Diameter .118" (2.99 mm) Height Flat Top Pan Drive	N/A
SHANK	COATING
.215" (5.46 mm) Diameter	CR-10

ORDERING INFORMATION

CAT. NO.	LENGTH IN (MM)	PKG QTY	WEIGHT LBS (KG)
FN002	2 (50)	500	12 (5.45)
FN212	2.5 (60)	500	14 (6.35)

*All sizes are nominal.

KEY:

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



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SPECIFICATION

The fastener will be an OMG Fluted Nail. The diameter across the flutes must be a minimum of .215-in. (5.46 mm). The fastener will be used with a Factory Mutual approved, OMG round pressure 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 EAD030351-00-0402.

APPLICATION

Predrill a 3/16-in. (5 mm) hole using a carbide tip SDS or straight shank bit. The Fluted Nail is then installed with a 2 lb. (2.27 Kg) short-handle sledgehammer.

Minimum fastener embedment into the deck should be 1-in. (25 mm). The predrilled hole must be a minimum of 1/2-in. (13 mm) deeper than fastener embedment.

Note: Care must be taken not to overdrive the fastener causing subsequent damage to the insulation facer.

PHYSICAL DATA *

The data below is constant for each OMG Fluted Nail.

HEAD	THREAD
.435" (11.04 mm) Diameter .118" (2.99 mm) Height Flat Top Pan Drive	N/A
SHANK	PACKAGING
.215" (5.46 mm) Diameter	500/carton

*All sizes are nominal.

FLUTED NAIL LENGTH SELECTION PROCEDURE

1. If applicable, determine the thickness of the existing roofing material.
2. Add thickness of new insulation.
3. Add 1-in. (25 mm) minimum fastener penetration. **NOTE:** When predrilling, allow extra 1/2-in. (13 mm).
4. If odd size requirement, always size up in length, not down. See example:

	Example:	Your Project:
Existing Roofing	1" (25 mm)	_____
New Insulation	1/2" (13 mm)	_____
Min. Embedment	1" (25 mm)	1" (25 mm)
Total Fastening	2 1/2" (64 mm)	_____
Correct Length	2 1/2" (60 mm)	_____

The proper Fluted Nail for this example is 2 1/2-in. (60 mm).



ROOFING PRODUCTS

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