



# RoofGrip® 5.5 mm T25 Fastener

## PRODUCT DATA SPECIFICATIONS

### PRODUCT DESCRIPTION

The OMG RoofGrip 5.5 mm T25 Fastener is designed to secure insulation and single-ply membrane to steel 0.65–1.25 mm (24 Ga. to 18 Ga.) and wood. It is available in lengths from 40 to 200 mm (1 5/8-in. to 8-in.). The Fastener is Factory Mutual and CE approved.

### FEATURES & BENEFITS

- T25 drive for efficient installation.
- Heavier shank and thread diameters than most “standard” roofing fasteners.
- Deep buttress thread for high pullout resistance.
- Extra sharp drill point for quick installation in new and re-roof steel deck applications.

### COATING

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

### APPLICATION

For steel decks, 20 mm (3/4-in.) penetration is the minimum allowable. Factory Mutual requires that fasteners penetrate the top flute.

For OSB and plywood,\* 20 mm (3/4-in.) penetration through the underside of the board is the minimum allowable. For wood deck (wood beams, wood plank, tongue & groove), 20 mm (3/4-in.) penetration is the minimum allowable.

Using a screw gun, drive the fastener until a slight depression is seen in the insulation and the plate. On rigid cover boards, care must be taken not to strip the deck.

The strength of different roof decks can vary widely and can be adversely affected by moisture and other conditions. Therefore, it is recommended that a fastener pull test be conducted to help evaluate deck condition and fastener suitability. Call OMG to schedule testing.

**Note: Care must be taken not to overdrive the fastener.** Fastener must be tight enough so that the plate doesn't turn. For best results, use a variable speed 0 – 2500 RPM screw gun.

### PLATES & ACCESSORIES

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

**See Plates Data Sheets.**

### APPROVALS



USE WITH  
**S**  
**W**  
DECK TYPES

### PHYSICAL DATA†

The data below is constant for each OMG RoofGrip 5.5 mm Fastener.

HEAD	THREAD
T25 Truss Head 11 mm (.435") Diameter	5.5 mm (.220") Diameter
	SHANK
	4.1 mm (.160") Diameter
	COATING
	CR-10

T25 driver bit included in each bucket.

### ORDERING INFORMATION

CAT. NO.	LENGTH MM (IN)	THREAD MM (IN)	PKG QTY	WEIGHT KG (LBS)
RGSL40B	40 (1 5/8)	Full	1000	5.4 (13)
RGSL55B	55 (2 1/4)	Full	1000	7.2 (16)
RGSL75B	75 (3)	Full	1000	10.8 (21)
RGSL100B	100 (4)	75 (3)	1000	12.7 (28)
RGSL125B	125 (5)	75 (3)	1000	15.8 (35)
RGSL150B	150 (6)	100 (4)	1000	18.1 (40)
RGSL175B	175 (7)	100 (4)	1000	21.7 (48)
RGSL200B	200 (8)	100 (4)	1000	22.7 (50)

†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 Standard RoofGrip 5.5 mm T25 Fastener (#12) with a thread diameter of 5.58 mm (.220-in.). Also, the fastener must be heat-treated per specification OMG-1. The OMG Standard RoofGrip 5.5 mm T25 Fastener will be used with an approved OMG pressure plate or pressure bar.

### 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

The OMG Standard RoofGrip 5.5 mm T25 Fastener must penetrate steel decks a minimum of 20 mm (¾-in.). Factory Mutual requires that fasteners penetrate the top flute.

For OSB and plywood\*, 20 mm (¾-in.) penetration through the underside of the board is the minimum allowable. For wood deck (wood beams, wood plank, tongue & groove), 25 mm (1-in.) penetration is the minimum allowable.

Using a screw gun, drive the fastener until a slight depression is seen in the insulation and the plate. On rigid cover boards, care must be taken not to strip the deck.

The strength of different roof decks can vary widely and can be adversely affected by moisture and other conditions. Therefore, it is recommended that a fastener pull test be conducted to help evaluate deck condition and fastener suitability. Call OMG to schedule testing.

**Note: Care must be taken not to overdrive the fastener.** Fastener must be tight enough so that the plate doesn't turn. For best results, use a variable speed 0 – 2500 RPM screw gun.

\*FM does not approve OSB or plywood deck types.

### STANDARD ROOFGRIP 5.5 MM T25 FASTENER LENGTH SELECTION PROCEDURE

1. If applicable, determine the thickness of the existing roofing material.
2. Add thickness of new insulation.
3. For steel: Add 20 to 25 mm (¾ to 1-in.) fastener penetration depending on deck type (see Application Section for details).
4. If odd size requirement, always size up in length, not down. See example:

Steel Deck:	Example:	Your Project:
Existing Roofing	45 mm (1¾")	
New Insulation	13 mm (½")	
Min. Penetration	20 mm (¾")	20 mm (¾")
Total Fastening	75 mm (3")	
<b>Correct Length</b>	75 mm (3")	

The proper RoofGrip 5.5 mm T25 Fastener for this steel deck example is 75 mm. (3-in.)



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