TL NYLON AUGER

FOR ATTACHMENT TO STRUCTURAL CEMENT WOOD FIBER, GYPSUM AND LIGHTWEIGHT INSULATING CONCRETE ROOF DECKS.

PRODUCT DESCRIPTION

The TRUFAST® TL Fastener is designed to mechanically attach rigid insulation board and single-ply membrane to structural cement wood fiber, gypsum and lightweight insulating concrete roof decks. It features a high thread profile with a tapered root diameter and sharp point. Its unique design allows it to penetrate the roof deck and progressively compact the base material, creating a stronger hold in weak material. The TL Fastener is used in conjunction with the TRUFAST 2" TL Seam Plate and 3" TL Insulation Plate.

APPROPRIATE ACCESSORIES

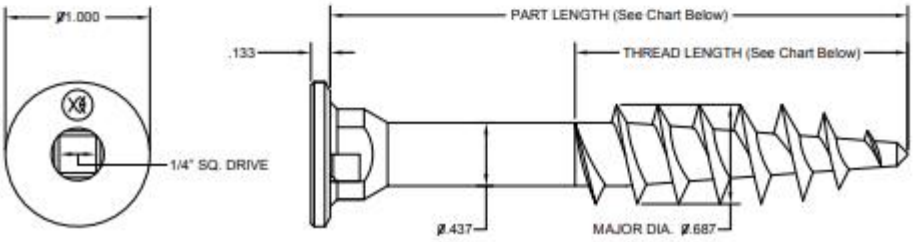
Use with TRUFAST® TLP-3 Insulation Plate and TLP-2 Seam Plate.

CODE APPROVALS & LISTINGS

FM Global FM APPROVED Miami-Dade County MIAMI-DADE COUNTY APPROVED State of Florida - FL#: 4500

PRODUCT SPECIFICATIONS

Fastener Body: Reinforced Nylon Manufacturing Location: Hatfield, PA



2" TL Seam Plate
Thickness: 0.030"
Diameter: 2"
Hole Diameter: 0.625"
Coating: AZ-55 Galvalume

3" TL Insulation Plate
Thickness: 0.017"
Diameter: 3"
Hole Diameter: 0.625"
Coating: AZ-55 Galvalume

TL NYLON AUGER PRODUCT SELECTION

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PRODUCT SELECTION

Part Length		Thread Length		Pkg. Qty.	Pkg. Wt.	Pallet Qty.
2"	50.8 mm	1.447"	36.8 mm	500/Carton	12 lbs.	27,000
2-1/2"	63.5 mm	1.947"	49.5 mm	500/Carton	13 lbs.	27,000
3"	76.2 mm	2.300"	58.4 mm	500/Carton	15 lbs.	27,000
3-1/2"	88.9 mm	2.300"	58.4 mm	500/Carton	16 lbs.	27,000
4"	101.6 mm	2.300"	58.4 mm	500/Carton	19 lbs.	27,000
4-1/2"	114.3 mm	2.300"	58.4 mm	500/Carton	21 lbs.	27,000
5"	127.0 mm	2.300"	58.4 mm	500/Carton	23 lbs.	27,000
5-1/2"	139.7 mm	2.300"	58.4 mm	500/Carton	25 lbs.	27,000
6"	152.4 mm	2.300"	58.4 mm	500/Carton	26 lbs.	27,000
6-1/2"	165.1 mm	2.300"	58.4 mm	500/Carton	28 lbs.	27,000
7"	177.8 mm	2.300"	58.4 mm	250/Carton	15 lbs.	13,500
7-1/2"	190.5 mm	2.300"	58.4 mm	250/Carton	16 lbs.	13,500
8"	203.2 mm	2.300"	58.4 mm	250/Carton	17 lbs.	13,500
8-1/2"	215.9 mm	2.300"	58.4 mm	250/Carton	19 lbs.	13,500
9"	228.6 mm	2.300"	58.4 mm	250/Carton	20 lbs.	13,500
9-1/2"	241.3 mm	2.300"	58.4 mm	250/Carton	21 lbs.	13,500
10"	254.0 mm	2.300"	58.4 mm	250/Carton	22 lbs.	13,500
11"	279.4 mm	2.300"	58.4 mm	250/Carton	24 lbs.	13,500
12"	304.8 mm	2.300"	58.4 mm	250/Carton	26 lbs.	13,500
13"	330.2 mm	2.300"	58.4 mm	250/Carton	28 lbs.	13,500
14"	355.6 mm	2.300"	58.4 mm	250/Carton	30 lbs.	13,500

Size & Type	Part No.	Pkg. Qty.	Pkg. Wt.	Pallet Qty.
3"TL Insulation Plate	MPTL-3000	500/Carton	17.5 lbs.	36,000
2"TL Seam Plate	MPTL-2000	1000/Carton	14 lbs.	48,000

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PERFORMANCE DATA

Property	Standard	Average Ultimate Value
Shear Strength	NASM 1312-20	875 lbf. (thread zone)

Average Ultimate Pullout Values

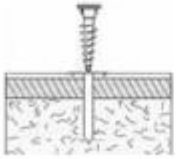
Subsrate	Pre-Drill Dia.*	Min. Embedment Depth	Pullout (lbf.)
Tectum™	N/A	1-1/2"	280
		2"	440
		2-1/2"	595
3" Insulrock	5/16"	2-1/2"	365
Poured Gypsum	3/8"	2"	540

* A pre-drilled 5/8" clearance hole is necessary only when plywood or other rigid materials are fastened to a roof deck. A plate in not required in this application.

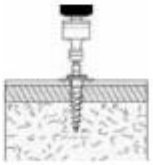
INSTALLATION GUIDELINES

Using the ¼" drive bit provided and an electric impact tool that provides a high torque and relatively low rpm, install the fastener into the deck. A heavy-duty variable speed screw gun operated at a low speed is also acceptable. Pre-drilling is normally not required for installation into cement wood fiber decks such as Tectum®. Decks such as Insulrock may require a 5/16" pre-drilled hole. Gypsum and lightweight insulating concreted decks should be pre-drilled using a 3/8" or 7/16" carbide tipped bit. Larger carbide tipped bits up to ½" dia. can be used in denser materials. The drill bit size to be used should be determined during the job site test.

If pre-drilling is required, drill a hole into the base material to a depth ½" greater than the embedment required.



Place the TRUFAST TL Plate on the insulation (TL 3" Plate) or seam (TL 2" Plate).



Drive the TL Fastener through the plate into the base material until the head of the fastener is properly seated in the plate. The plate should be seated securely against the insulation or membrane. Do not overdrive.