

Fluted Concrete Nail

PRODUCT DESCRIPTION

The TRUFAST® Fluted Concrete Nail is designed to secure insulation, coverboards, single-ply roof membrane, wood, and steel to structural concrete. It is a reliable and cost-effective fastening alternative to other mechanical fastening solutions.

APPROPRIATE ACCESSORIES

Use with TRUFAST® MP-2000, MPB-2000, MPB-2400 Seam Plates; MP-3000 Insulation Plate; and BB-18F Batten Bar.

CODE APPROVALS & LISTINGS



Miami-Dade County



CE European Technical Approval ETA 09/0375

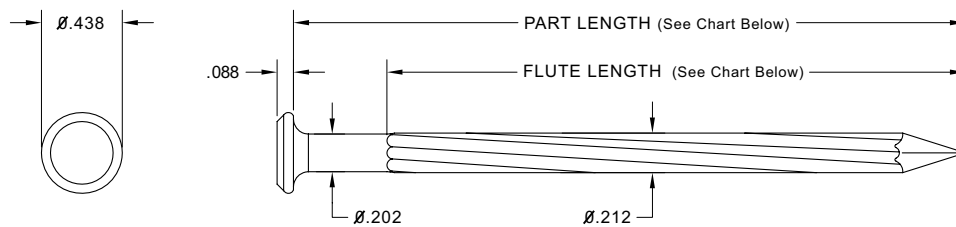
State of Florida - FL#: 4500

MATERIAL SPECIFICATIONS

Material: SAE C10B21, heat treated
Coating: Tru-Kote™ Epoxy E-Coat

Manufacturing Location: Bryan, OH USA
LEED® Eligible Recycled Content: 20%

PRODUCT SPECIFICATIONS



PRODUCT SELECTION

Part No.	Part Length		Flute Length		Pkg. Qty.	Pkg. Wt.	Pallet Qty.
TG-1500	1-1/2"	38.1 mm	1-1/2" (Full)	38.1 mm	500 / Bucket	7.5 lbs.	40,000
TG-2000	2"	50.8 mm	2" (Full)	50.8 mm	500 / Bucket	19.6 lbs.	40,000
TG-2500	2-1/2"	63.5 mm	2-1/2" (Full)	63.5 mm	500 / Bucket	12.1 lbs.	40,000
TG-3000	3"	76.2 mm	3" (Full)	76.2 mm	500 / Bucket	14.3 lbs.	40,000
TG-3500	3-1/2"	88.9 mm	3-1/2" (Full)	88.9 mm	500 / Bucket	16.7 lbs.	40,000
TG-4000	4"	101.6 mm	4" (Full)	101.6 mm	500 / Bucket	19.2 lbs.	40,000
TG-4500	4-1/2"	114.3 mm	4"	101.6 mm	500 / Bucket	21.5 lbs.	40,000
TG-5000	5"	127.0 mm	4"	101.6 mm	500 / Bucket	23.8 lbs.	40,000
TG-5500	5-1/2"	139.7 mm	4"	101.6 mm	500 / Bucket	26.1 lbs.	40,000
TG-6000	6"	152.4 mm	4"	101.6 mm	500 / Bucket	28.1 lbs.	40,000
TG-7000	7"	177.8 mm	4"	101.6 mm	500 / Bucket	33.1 lbs.	40,000
TG-8000	8"	203.2 mm	4"	101.6 mm	500 / Bucket	37.6 lbs.	40,000
TG-9000	9"	228.6 mm	4"	101.6 mm	250 / Bucket	21.0 lbs.	15,000
TG-10000	10"	254.0 mm	4"	101.6 mm	250 / Bucket	23.1 lbs.	15,000
TG-11000	11"	279.4 mm	4"	101.6 mm	250 / Bucket	25.8 lbs.	15,000
TG-12000	12"	304.8 mm	4"	101.6 mm	250 / Bucket	28.1 lbs.	15,000



Enlarged to show detail.

PERFORMANCE DATA

Property	Standard	Average Ultimate Value
Shear Strength:	NASM 1312-20	4,200 lbf. (flute zone)
Corrosion Resistance:	FM 4470, ASTM D6294, DIN 50018	< 15% Red Rust after 30 cycles

Average Ultimate Pullout Value in Structural Concrete

Pullout (lbf.)	1,450*
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* lbf./in. of thread penetration, including tip.

INSTALLATION GUIDELINES

For Concrete Decks: Pre-drill a 3/16" diameter hole using a drill bit that meets the requirement of ANSI Standard B212.15. The hole must be a minimum of 1/2" deeper than the fastener embedment. The fastener is installed with a hammer to a minimum embedment of 1" until the head of the fastener is properly seated in the plate or bar. Care should be taken to not damage the insulation or membrane by overdriving the fastener.

DISCLAIMER

The performance specifications published in this TRUFAST product literature are based on controlled laboratory tests and are intended as a guideline only. They are not guaranteed in any way by the ALTENLOH, BRINCK & CO. U.S., INC. (the manufacturer), since building design, engineering, and construction, including workmanship and materials, are beyond the control of the manufacturer. The manufacturer recommends that pull-out tests be conducted to verify the substrate provides adequate pull-out values.



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TRUFAST® Fluted Concrete Nails are manufactured by the ALTENLOH, BRINCK & CO. U.S., INC, and are sold through leading roofing and building material distributors across the U.S. and Canada.