

#12 Purlin Roofing Fasteners

PRODUCT DESCRIPTION

The TRUFAST® #12 Purlin Fastener is a self-drilling fastener engineered to secure single-ply roofing membrane to structural steel purlins (16 ga. to 3/16") in standing seam metal roof recover applications. The specially designed 3/4" long pilot point prevents the existing metal roof panel from "jacking" up the threads during the drilling operation, thereby reducing point burnout and breakage.

APPROPRIATE ACCESSORIES

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

CODE APPROVALS & LISTINGS



Miami-Dade County



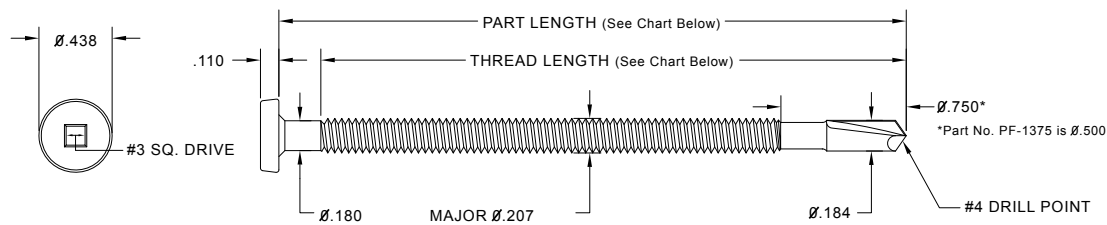
CE European Technical Approval ETA 09/0375

MATERIAL SPECIFICATIONS

Material: SAE C1022, 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		Thread Length		Pkg. Qty.	Pkg. Wt.	Pallet Qty.
PF-1375	1-3/8"	34.9 mm	3/4" (Full)	19.1 mm	2500/Bucket	27.8 lbs.	200,000
PF-2750	2-3/4"	69.9 mm	2.0" (Full)	50.8 mm	1000/Bucket	20.4 lbs.	80,000
PF-3750	3-3/4"	95.3 mm	3-3/8"	85.7 mm	1000/Bucket	27.4 lbs.	80,000
PF-4750	4-3/4"	120.7 mm	3-3/8"	85.7 mm	1000/Bucket	35.1 lbs.	60,000
PF-5750	5-3/4"	146.1 mm	3-3/8"	85.7 mm	1000/Bucket	41.8 lbs.	60,000
PF-6750	6-3/4"	171.5 mm	3-3/8"	85.7 mm	1000/Bucket	49.3 lbs.	60,000
PF-7750	7-3/4"	196.9 mm	3-3/8"	85.7 mm	500/Bucket	28.1 lbs.	40,000
PF-8750	8-3/4"	222.3 mm	3-3/8"	85.7 mm	500/Bucket	37.1 lbs.	30,000



Enlarged to show detail.

PERFORMANCE DATA

Property	Standard	Average Ultimate Value
Tensile Strength:	ASTM F606-10	3500 lb.
Shear Strength:	NASM 1312-20	2300 lb. (thread zone)
Corrosion Resistance:	FM 4470, ASTM D6294, DIN 50018	< 15% Red Rust after 30 cycles

Average Ultimate Pullout Values in Corrugated Steel Deck Substrates

Thickness	16 ga.		
Yield Strength	33.0 ksi	80.0 ksi	102.0 ksi
Pullout (lbf.)	550	870	1020

Average Ultimate Pullout Values in Structural Steel

Thickness	16 ga.	12 ga.	1/8"
Pullout (lbf.)	860	1750	1970

INSTALLATION GUIDELINES

Using the #3 square drive bit provided and a 0-1800 rpm screw gun, install the fastener into the steel purlin. The fastener must penetrate the purlin a minimum of 1", as measured from the underside of the purlin to the fastener tip. Care should be taken to orient the fastener perpendicular to the deck and not to over drive the fastener to prevent damage to the insulation or membrane.

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® #12 Purlin Fasteners 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.