

# #12 PURLIN FASTENER

## ADVANTAGES

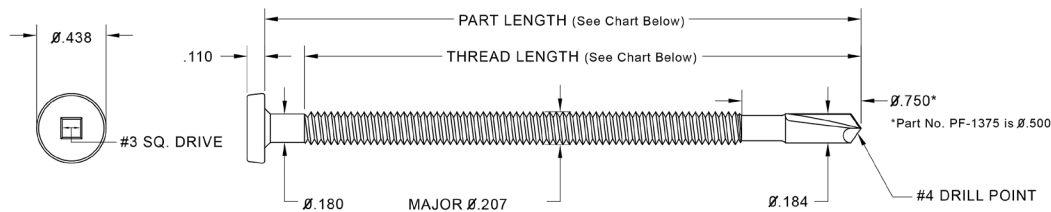
- ▶ Designed to secure insulation, coverboards and base sheets to structural steel purlins (12-18 gauge)
- ▶ Smaller shank diameter vs the drill point allows the fastener to penetrate and clear thick metal before the threads engage, thus reducing point burnout and breakage
- ▶ Epoxy coated for enhanced corrosion resistance
- ▶ 24 threads per inch provide superior pull-out values and back-out resistance

## TYPICAL PROPERTIES \*

PROPERTY	VALUE
<b>Material</b>	SAE C1022, heat treated
<b>Coating</b>	Epoxy E-Coat
<b>Fastener Head</b>	#3 Square drive
<b>Fastener Tip</b>	#4 Drill point
<b>Head Diameter</b>	.438 in
<b>Thread Diameter</b>	.207 in
<b>Thread/Inch</b>	24
<b>Tensile Strength</b>	3,500 lbf
<b>Shear Strength</b>	2,300 lbf (flute zone)
<b>Corrosion Resistance</b>	<15% Red rust after 30 cycles
<b>Recycled content</b>	20%

\* All values shown are nominal

## PRODUCT SPECIFICATIONS



## PRODUCT PACKAGING

PART #	PART LENGTH		FLUTE LENGTH		PACKAGING		QTY/ PALLET
	Inches	MM	Inches	MM	QTY/Bucket	Weight (lb)	
PF-1375	1 3/8	34.9	3/4	19.1	2,500	27.8	200,000
PF-2750	2 3/4	69.9	2	50.8	1,000	20.4	80,000
PF-3750	3 3/4	95.3	3 3/8	85.7	1,000	27.4	80,000
PF-4750	4 3/4	120.7	3 3/8	85.7	1,000	35.1	60,000
PF-5750	5 3/4	146.1	3 3/8	85.7	1,000	41.8	60,000
PF-6750	6 3/4	171.5	3 3/8	85.7	1,000	49.3	60,000
PF-7750	7 3/4	196.9	3 3/8	85.7	500	28.1	40,000
PF-8750	8 3/4	222.3	3 3/8	85.7	500	37.1	30,000

\* All values shown are nominal

## AVERAGE ULTIMATE PULLOUT VALUES

### For Structural Steel Decks (lbf)

PROPERTY	THICKNESS (gauge)		
	16	12	11
<b>Tensile Strength</b>	860	1,750	1,970

### For Corrugated Steel (lbf)

PROPERTY	YIELD STRENGTH (ksi)		
	33.0	80.0	102.0
<b>Tensile Strength</b>	550	870	1,020

## INSTALLATION

Using the #3 square drive bit provided and a 0-1800 rpm screw gun, install the fastener into the steel purlin. The fastener embedment into the deck should be 1 inch. Care should be taken not to damage the insulation or membrane by over driving the fastener.

Performance Roof Systems advises that pullout tests be performed prior to application to verify the substrate provides adequate pull-out values.

## APPROVED ACCESSORIES

- 2" and 2.4" Barbed Metal Seam Plates
- Flat Batten Bar



Enlarged to show detail