

FLUTED CONCRETE NAIL

ADVANTAGES

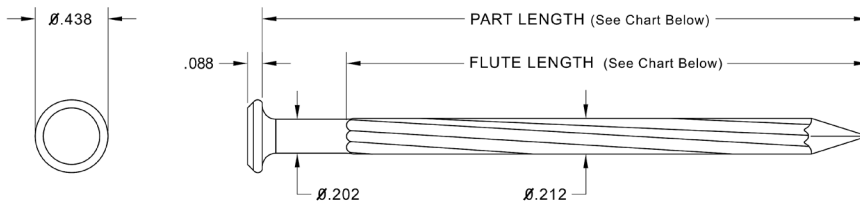
- ▶ Designed to secure insulation, coverboards, base sheets metal or wood to structural concrete decks
- ▶ Spiral fluted shank provides excellent holding power
- ▶ Epoxy coated for enhanced corrosion resistance
- ▶ Cost-effective alternative to other mechanical fastening solutions

TYPICAL PROPERTIES*

PROPERTY	VALUE
Material	SAE C10B21, heat treated
Coating	Epoxy E-Coat
Fastener Head	Flat top pan
Fastener Tip	Diamond point
Head Diameter	.438 in
Recycled content	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)	
TG-1500	1 ½	31.8	Full	31.8	500	7.5	40,000
TG-2000	2	50.8	Full	50.8	500	19.6	40,000
TG-2500	2 ½	63.5	Full	63.5	500	12.1	40,000
TG-3000	3	76.2	Full	76.2	500	14.3	40,000
TG-3500	3 ½	88.9	Full	88.9	500	16.7	40,000
TG-4000	4	101.6	Full	101.6	500	19.2	40,000
TG-4500	4 ½	114.3	4	101.6	500	21.5	40,000
TG-5000	5	127.0	4	101.6	500	23.8	40,000
TG-5500	5 ½	139.7	4	101.6	500	26.1	40,000
TG-6000	6	152.4	4	101.6	500	28.1	40,000
TG-7000	7	177.8	4	101.6	500	33.1	40,000
TG-8000	8	203.2	4	101.6	500	37.6	40,000
TG-9000	9	228.6	4	101.6	250	21.0	15,000
TG-10000	10	254.0	4	101.6	250	23.1	15,000
TG-11000	11	279.4	4	101.6	250	25.8	15,000
TG-12000	12	254.0	4	101.6	250	28.1	15,000

* All values shown are nominal



Enlarged to show detail

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PERFORMANCE DATA

PROPERTY	TEST METHOD	AVERAGE ULTIMATE VALUE
Tensile Strength	-	1,450*
Shear Strength	NASM 1312-20	4,200 lbf (flute zone)
Corrosion Resistance	FM 4470	<15% Red rust after 30 cycles

* lbf/in of flute penetration, including tip in structural concrete.

INSTALLATION

Pre-drill a $\frac{3}{16}$ inch diameter hole using the requirement of ANSI Standard B212.15. The pre-drilled hole must be a minimum of $\frac{1}{2}$ inch deeper than the fastener embedment. Minimum 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

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