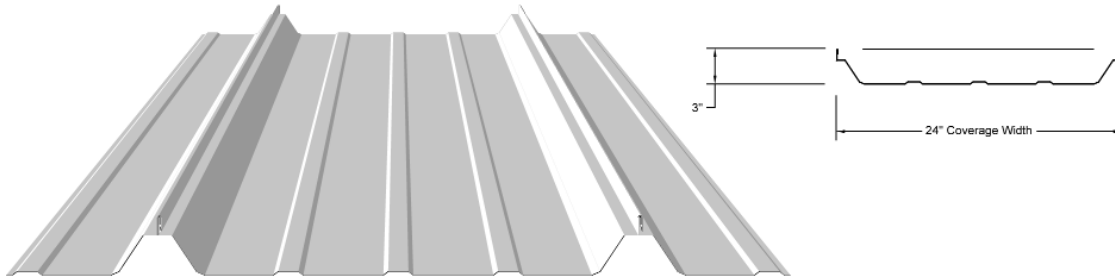


# IP Snap 3



INDUSTRIAL-COMMERCIAL ROOFING & SIDING

Effective September 2007



## Material Specifications

Steel Thickness: 22 & 24 Gauge  
 Substrate: Pre-Painted - GALVALUME® AZ-50  
 Bare - GALVALUME® AZ-50  
 Yield Strength: Grade 50  
 Paint Coating: Fabral' Color Shield 500 (Kynar)

## Description

IP Snap 3 is 24" net coverage, 3" high standing seam panel with a factory applied mastic in the sidelap. IP Snap 3 has a snap-locked side seam and is one of the most efficient standing seam panels in the industry. It is also available with mechanical 360° rolled seams (IP Seam 3). IP Snap 3 has excellent low slope capability.

## Section Properties/ Load Table

	Base Metal Thickness (Inches)	Panel Weight Square Ft.	Top In Compression		Bottom In Compression		Fb ksi
			Ix	Sx	Ix	Sx	
			In4/ft.	In3/ft.	In4/ft.	In3/ft.	
24 Gauge	0.0225	1.20	0.121	0.076	0.122	0.077	30
22 Gauge	0.030	1.59	0.165	0.105	0.178	0.107	30

	Number of Spans	Maximum Total Uniform Load in PSF					
		L = 3'-0"	3'-4"	4'-0"	4'-6"	5'-0"	5'-0"
24 Gauge Steel	1	169	137	95	75	61	61
	2	171	139	96	76	62	62
	3	214	173	120	95	77	77
	4	200	162	112	89	72	72
22 Gauge Steel	1	233	189	131	104	84	84
	2	238	193	134	106	86	86
	3	297	241	167	132	107	107
	4	278	225	156	123	100	100

Jackson, GA (800) 884-4484  
 Grapevine, TX (800) 477-9066  
 Salem, OR (800) 477-8028  
 Headquarters - Lancaster, PA (800) 477-2741

# IP Snap 3 Specifications

## 1. PRODUCT NAME

IP Snap 3 for new roofing or retrofit roofing.

## 2. MANUFACTURER

Fabral Engineered Products, Inc.  
1000 Northchase Drive, Suite 203  
Goodlettsville, TN 37072  
Phone: 615-855-1885

## 3. PRODUCT DESCRIPTION

Basic Use: For roofing new buildings or re-roofing existing ones of any construction type. Specially designed roof panels are secured to the structural system with concealed clips. A mechanical snap-lock seam insures against leaks. Sliding clips provide for thermal expansion along the slope. IP Snap 3 has 2" high (3" high with seam) by 4-3/4" wide ribs on 24" centers. Net width coverage of each panel is 2', and panels are available in standard lengths up to 45'. Longer lengths are available upon request.

**Materials:** IP Snap 3 is 24 or 22 gauge 50,000 psi steel. Exterior finish is AZ50 aluminum-zinc alloy-coated, pre-painted G-90 zinc-coated (galvanized). Pre-painted panels have Fabral' Color Shield 500 (Kynar) finish. The standing seam clip is a two part assembly. The tab portions are 2-1/2" wide, die formed of SAE 1050 high-carbon spring steel and heat treated to Rockwell 45C to 50C with fluorocarbon coating for corrosion resistance, or 301 stainless steel. The base portion of the clip is 2-1/4" or 3-1/4" (for thermal blocks) in height. It is die formed from 12 gauge, zinc-coated (galvanized) steel. Total expansion capability of the clip assembly is 2-1/2".

IP Snap 3 sidelaps have factory applied mastic. Sika Caulk 501 or equal. Its composition is 91% solids by weight. Service temperature range is -60F to +250F. The material meets or surpasses requirements of Federal Specification TT-C-1796A, Type 1, Class A.

Endlaps, roof flashing laps, ridges and eave closures are sealed with tape mastic, Sika tape TC-95 or equal. The material is non-staining, non-corrosive, non-toxic and non-volatile. Composition is 100% solid ethylene propylene copolymer tape. Service temperatures are -60F to +212F. The material meets or surpasses Federal Specification TT-C-1796A, Type II, Class B.

**Caulk:** Eaves, endlaps, ridge and eave closures are sealed with non-skinning butyl caulk, Sika-caulk 501 or equal. Its composition is 91% solids by weight. Service temperature range is -60F to +250F. The material meets or surpasses requirements of Federal Specification TT-C-1796A, Type I, Class A. All gutter and downspout joints, and roof accessories are sealed with polyurethane caulk, SikaFlex 219LM or equal. It meets or exceeds Federal Specification TT-S-00230C, Type 2, Class A.

All fasteners for panel detail to secondary framing and panel to panel will be one of the following EPDM washer head screws:  
A. Premium roof fasteners shall be No. 14" x 1" self-drilling carbon steel screws with a molded zinc alloy or capped stainless steel cupped hex washer head. Premium roof fasteners will be used on all warranted roofs and all pre-finished roofs.

B. Standard roof fasteners shall be No. 14 x 1" self-drilling carbon steel screws with an integral hex washer head. Standard roof fasteners shall have a corrosive resistant coating over zinc plating. Standard roof fasteners shall be used on unwarranted aluminum-zinc alloy-coated roofs only.

IP Snap 3 panel clips are attached to the purlins with the following fasteners:

Self drilling screws are carbon steel No. 12 x 1-1/4" hex head, cadmium or zinc plated.

## 4. TECHNICAL DATA

The IP Snap 3 panel has received a Class 90 Wind Uplift rating by Underwriters Laboratories when tested in accordance with test procedure UL 580. This panel has also been tested in accordance with Air Infiltration, ASTM E1680 and Water Penetration, ASTM E1646. This panel has received a Class A

fire rating when tested in accordance with test procedure ASTM E108.

## 5. INSTALLATION

Panels are joined at the sidelap with an interlocking seam standing one inch above the major rib. Panel sidelaps are locked together by a special mechanical tool. Sidelap sealer is factory applied. Roof systems are installed by authorized builders. Installation may be incorporated with a light gauge structural system.

## 6. AVAILABILITY

For availability, contact Fabral Engineered Products, Inc. 1000 Northchase Drive, Suite 203, Goodlettsville, TN 37072. Phone: 615-855-1885

## 7. WARRANTY

Thirty five-year material and weathertightness can be ordered.

## 8. MAINTENANCE

Only normal, routine maintenance is required over the life of the panels.

## 9. TECHNICAL SERVICES

For information, contact Fabral Engineered Products, Inc. 1000 Northchase Drive, Suite 203, Goodlettsville, TN 37072. Phone: 615-855-1885

## 10. PRODUCT NOTES

A certain amount of waviness called "oil canning" may exist in this panel. Minor waviness of the panel is not sufficient cause for rejection, because oil canning does not affect the structural integrity of the panel. Standing seam panels in general are known for their tendency to rattle in high winds if insulation is not used. Under no circumstances should IP Snap 3 be used without blanket insulation between the panel and the purlin/bar joist.

**Fabral, Inc.**

**reserves the right to revise all standard specifications and information without notice.**