

single skin panels applications

Zamil Steel Panel Specifications

Zamil Steel's Zinalume Coated Steel Panels are made of cold-rolled steel conforming to ASTM A 792M S5 Grade 340 Class 2, having a minimum Yield Strength of 34.0 kN/cm² (or equivalent). The Zinc and Aluminum (AZM 150) coating is 150g/m² (total on both sides) achieved through a hot-dip process in alloy of approximately 55% aluminum, and 45% zinc by weight.

Pre-Painted Zinalume Panels are available in two popular paint finishes:

- **ZSP** (Zamil Special Polyester), a modified polyester paint system suitable for most exterior roof and wall applications.
- **ZPF** (Zamil Polyvinyl Fluoride), a premium polyvinyl fluoride paint system (also known as PVF2 or Kynar®), developed for roof and wall applications for severe weather conditions that demand high performance in long term color and gloss finish durability.

Panel Location	Panel Properties	Standard Supply	Optional Supply	
Roof	Profile	"S"	MaxSEAM	"S"
	Metal Substrate	Zinalume Coated Steel	Zinalume Coated Steel	Aluminium*
	Paint Finish	Unpainted / ZSP / ZPF*	Unpainted / ZSP* / ZPF*	Unpainted / ZSP/ ZPF
	Nominal Thickness (mm)	0.50	0.50 / 0.53 / 0.60*	0.70
	Exterior Face Color	ZA / SC	ZA / SC*	FW / RAL Color*
Wall	Profile	"S"	"S"	"S"
	Metal Substrate	Zinalume Coated Steel	Zinalume Coated Steel	Aluminium*
	Paint Finish	ZSP / ZPF*	ZPF*	Unpainted / ZSP / ZPF
	Nominal Thickness (mm)	0.50	0.60* / 0.70*	0.70
	Exterior Face Color	SC	Any RAL color*	FW
Interior Roof Liner Interior Wall Liner Interior Partition Soffit	Profile	"S"	"S"	"S"
	Metal Substrate	Zinalume Coated Steel	Zinalume Coated Steel	Aluminium*
	Paint Finish	ZSP	Unpainted / ZSP / ZPF*	Unpainted / ZSP / ZPF
	Nominal Thickness (mm)	0.50	0.50/0.60*/0.70*	0.70
	Exterior Face Color	SC	Any RAL color*	A/FW
Mezzanine Deck	Profile	"K"	N/A	
	Metal Substrate	Zinc Coated Steel		
	Paint Finish	Unpainted		
	Nominal Thickness (mm)	0.70		
	Exterior Face Color	Z		

* MaxSeam 18" panel, 0.5mm thick with standard color belongs to standard supply.
 * Subjected to extended delivery period and minimum order quantity, depending on availability. Contact a Zamil Representative for further enquiries.
 • ZA - Zinalume • SC - Standard Colors • FW - Frost White • A - Aluminium • Z - Zinc

Section Properties

Panel Type	Panel Nominal Metal Thickness (mm)	FY (kN/cm ²)	Nominal Weight (kg/m ²)	Top in Compression			Bottom in Compression		
				Ix (cm ⁴)	Sx (cm ³)	Ma (kN.m)	Ix (cm ⁴)	Sx (cm ³)	Ma (kN.m)
MaxSEAM 18 inch	0.50	34.5	4.40	5.94	1.23	0.25	2.13	0.75	0.15
MaxSEAM 24 inch	0.53	34.5	5.12	4.01	0.82	0.17	1.79	0.64	0.13
S	0.50	34.5	4.78	5.76	1.93	0.40	5.52	2.47	0.51
	0.60	34.5	5.74	8.07	2.68	0.55	7.33	3.15	0.65
	0.70	34.5	6.70	10.17	3.62	0.75	9.20	3.84	0.79
K	0.50	34.5	5.32	23.42	7.00	1.45	23.42	7.00	1.45
	0.60	34.5	6.38	30.52	10.01	2.07	30.52	10.01	2.07
	0.70	34.5	7.45	37.84	12.18	2.52	37.84	12.18	2.52

* Properties are per one foot (0.3048m) of MaxSeam panel width.

* Properties are per one meter of type "S" / type "K" panel width.

panel related accessories

Eave gutters, downspouts, curved eaves, wall flashings and trims are produced from the same material (base metal, thickness, substrate coating, paint finish and color) as the wall panels of the building.

Ridge panels and roof related accessories are produced from the same materials as roof panels.



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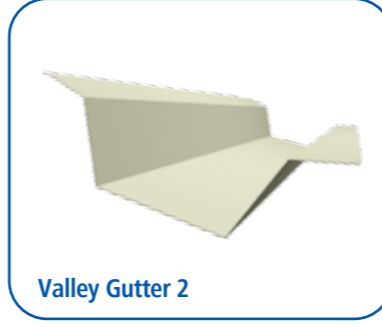
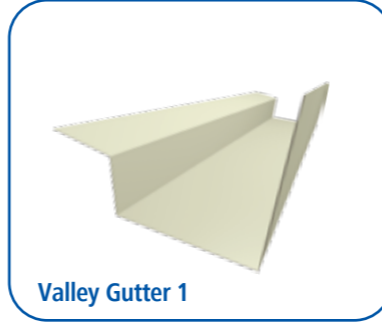
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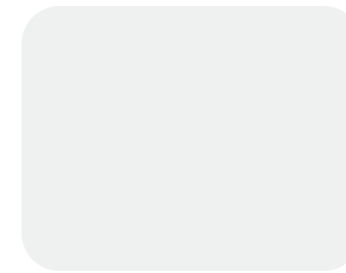
www.zamilsteel.com.vn As of March 2016

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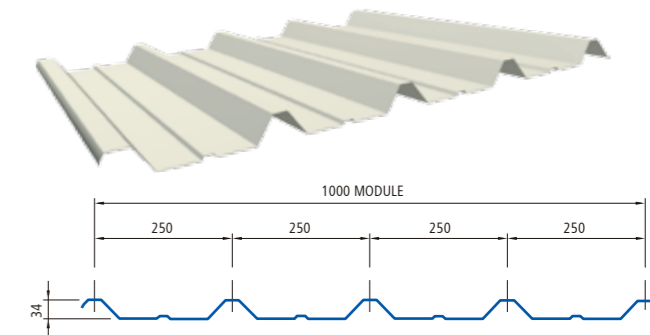
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PANEL CHART PROFILES & COLORS



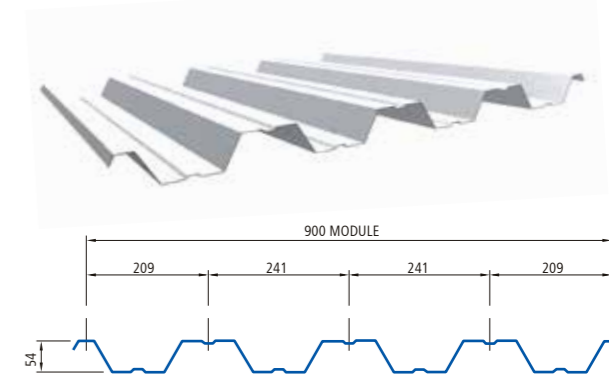
TYPE "S"

Zamil Steel type "S" panel has a profile of 5 major high ribs on each panel module. The rib height is 34mm which is 20% higher than most of the fastener systems available in the market, thus ensures adequate and effective valley for drainage. This profile is designed to withstand heavy roof loads, such as loads due to snow and wind uplifts.



TYPE "K"

Zamil Steel type "K" panel is the standard deck panel for mezzanines and floors systems. Although exceptionally strong, this panel is used as shuttering for mezzanine reinforced concrete floors and panel is not considered a substitute for the reinforcement of mezzanine concrete slabs.



MaxSEAM

Zamil Steel MaxSEAM Roof System is amongst the top range standing seam roof systems in the industry today. The profile rib height of 76mm couples with an unique seaming process, ensure maximum weather-tightness. MaxSEAM panels are available in 18 inch (457.2 mm) cover width. Refer to Zamil Steel MaxSEAM Roof System brochure for further details.

