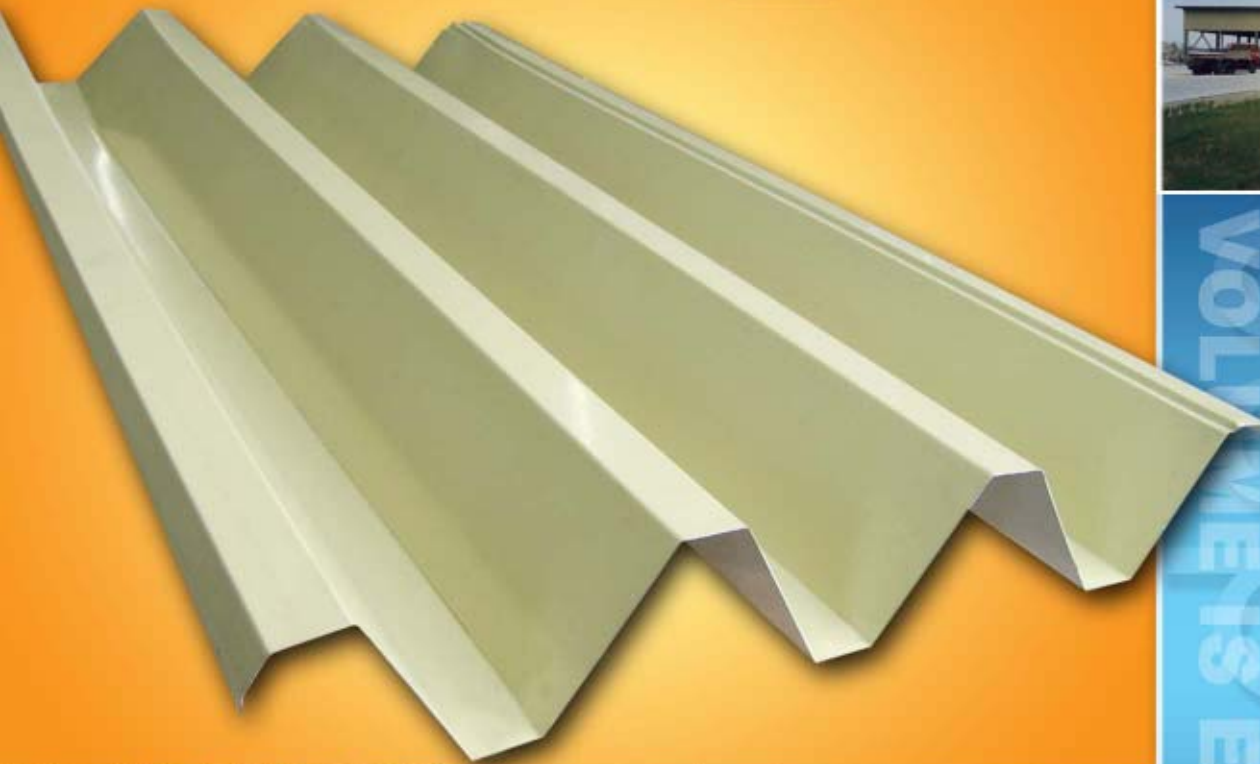


# SUPER V



VOLUME IS ESSENTIAL!  
SUPER V

**Volume is Essential!**



**COLORSTEEL**  
THE STEEL INSTITUTION.  
[www.colorsteel.com.ph](http://www.colorsteel.com.ph)



## VOLUME is ESSENTIAL!

Superior rib height makes it applicable in huge long span gymnasiums, warehouses and almost flat roof structures.



### SUPER V GROSS SECTION PROPERTIES Per Meter Width

THICKNESS (mm)	AREA (mm <sup>2</sup> )	MOMENT OF INERTIA (mm <sup>4</sup> )	SECTION TOP (mm <sup>2</sup> )	MODULUS BOTTOM (mm <sup>3</sup> )	RESISTING MOMENT (Kn.M)	y TOP (mm)	y BOTTOM (mm)	Fy Mpa
0.50	457.50	367,070.04	10,200.38	8,736.83	1.48	35.99	42.01	226.00
0.60	549.00	439,230.58	12,212.25	10,449.51	1.77	35.97	42.03	226.00
0.80	732.00	582,227.56	16,204.65	13,839.38	2.35	35.93	42.07	226.00

Note: Resisting moment=Allowable bending stress x section modulus, (Mn=Se.Fy), minimum value (Eq.C3 1.1-1 AISI) Rb=0.75 Reduction factor (A2.3.2 AISI)

### SUPER V STRUCTURAL ANALYSIS of Allowable Loads (KPa)

Total Allowable Loads in Kn/m

THICKNESS (mm)	CONDITION	PURLIN SPACING (meter)					
		0.8	1.00	1.20	1.50	2.00	2.50
0.50	Due to stress	44.71	28.62	19.87	12.72	7.15	4.58
	Due to L/360 Deflection	246.29	78.31	45.32	23.20	9.79	5.01
	Due to L/240 Deflection	369.43	117.46	67.98	34.80	14.68	7.52
0.60	Due to stress	53.48	34.23	23.77	15.21	8.56	5.48
	Due to L/360 Deflection	294.71	150.89	87.32	44.71	18.86	9.66
	Due to L/240 Deflection	442.06	226.33	130.98	67.06	28.29	14.49
0.80	Due to stress	70.83	45.33	31.48	20.15	11.33	7.25
	Due to L/360 Deflection	390.65	200.01	115.75	59.26	25.00	12.80
	Due to L/240 Deflection	585.96	300.02	173.62	88.90	37.50	19.20

Deflection= $WL^4/(384.E.I.)$ , Continuous span

Mdesign= $WL^2/12$ , Continuous span

### GENERAL PRODUCT INFORMATION

**Base Metal:** Cold Rolled Steel  
**Gauge:** 0.50 mm to 0.80  
**Depth:** 78 mm +/-1.5 mm  
**Pitch:** 207 mm  
**Effective Coverage:** 621 mm  
**Nominal Width:** 670 mm  
**Accessories:** Metal Bracket, Rubber Closures

**Protective Coating:** Zinc coating high grade polyester paint as per PNS 67:1986 and PNS 201:1990 quality standards.  
**Available Length:** Cut to size long span length.  
**Rainfall Capacity:** 4,000 mm/hr  
**Application:** Roofing and sidings/walling

**NCR:** 3/F Belson House Bldg. 271 EDSA corner Connecticut, Greenhills, Mandaluyong City Tel Nos: 726-8303 / 726-2598 / 726-1673 Fax No: 726-2551 Email: colorsteel@netasia.net **BATANGAS:** G/F Rivera Bldg., B. Morada Ave., Uipa City Tel No: (043) 757-2857 Telefax:(043) 757-2848 **BULACAN:** Km. 42 McArthur Highway, Bulihan, Malolos City Telefax: (044) 794-0047 **CABANATUAN:** Borja Bldg., Diversion Rd. Maharlika Highway, Cabanatuan City Telefax: (044) 464-1557 **PAMPANGA:** McArthur Highway, Quiabiawan, City of San Fernando Tel Nos: (045) 963-3347/ (045) 861-0630 Telefax: (045) 963-3346 **TARLAC:** G/F, Unit 4, Felsenron Bldg., Mc Arthur Highway San Roque, Tarlac City Telefax (045) 611-2080 **PANGASINAN:** FAMA Bldg., Caranglaan District, Dagupan City Tel. No: (075) 515-4442 Telefax: (075) 522-1336 **LA UNION:** G/F Rivera Bldg., Catbangan, San Fernando City Tel No: (072) 242-7574 Telefax: (072) 700-3132 **ISABELA:** City Road, Kalaw West, Santiago City Telefax: (078) 682-4500 **Plant Address:** Bgy. Del Rosario, City of San Fernando, Pampanga

