



**Swissma**  
BUILDING TECHNOLOGIES SDN. BHD.

Sanko SK RIB 38 II

## A Quality Metal Roofing & Cladding Product

**Colorbond®**

**Zincalume®**

**PRIMA®**  
M A J U

Available in COLORBOND® steel, ZINCALUME® steel, PRIMAMAJU-R™ steel and other types of coating or other materials.

- **Application:**  
For all types of buildings (industrial, commercial or residential).
- **Special Features:**  
Its high corrugations can cater to very low roof pitch. Ability to span far hence save purlin cost.
- **Special On-site Forming:**  
For lengths exceeding the permissible normal transportation, roofing profile can be formed at site to eliminate end lapping.
- **Easy Installation:**  
Installed using self-drilling screws with bonded neoprene washers.

COLORBOND® and ZINCALUME® are registered trade marks of BlueScope Steel Limited.  
PRIMAMAJU-R™ is a trade mark of BlueScope Steel Limited.



Effective Width : 750 mm  
 Rib Height : 38 mm  
 Minimum Roof Pitch: 1°



Natural Curve:  
 Minimum radius of curvature of steel structure is 70m.

Crimp Curve:  
 Minimum bending radius is 450 mm. For crimp curving, we recommend non high tensile steel.

**Physical Properties**

B.S.T. mm	Self Weight kg/m <sup>2</sup>	M.O.I. Ixx cm <sup>4</sup>	Sec. Mod. Zxx cm <sup>3</sup>
0.35E	3.72	9.63	3.97
0.42E	4.39	11.52	4.77
+0.48E	4.97	13.14	5.45
+0.55E	5.64	15.67	6.54
+0.60E	6.11	16.38	6.82

**Maximum Roof Length (m) vs Rainfall Intensities**  
 (Based on maximum water level at 21 mm)

Rainfall mm/hr	Roof Pitch (Degree)					
	1°	3°	5°	7°	10°	12°
250	57	99	125	150	177	195
300	47	83	105	125	149	165
350	40	70	90	105	128	138
400	35	60	80	95	110	122

**Maximum Allowable Support Spacings (m) - Roof**  
 (Based on 75 kg/m<sup>2</sup> design live load)

B.S.T. mm	End Span	Internal Span	Cantilever
0.35E	1.90	2.30	0.20
0.42E	2.00	2.50	0.20
+0.48E	2.10	2.70	0.30
+0.55E	2.20	2.90	0.30
+0.60E	2.30	3.00	0.30

**Maximum Allowable Support Spacings (m) - wall**  
 (Based on 40 m/s design wind load)

B.S.T. mm	End Span	Internal Span	Cantilever
0.35E	2.00	2.50	0.30
0.42E	2.20	2.70	0.30
+0.48E	2.40	2.85	0.30
+0.55E	2.50	3.00	0.30
+0.60E	2.60	3.10	0.30

**Note:** E = High Tensile Steel (550 MPa)  
 B.S.T. = Base Steel Thickness  
 + = Non-standard Thickness

M.O.I. = Moment of Inertia  
 Sec. Mod. = Section Modulus

**Installation**

**Laying Procedure**

It is always advisable to lay sheets with side laps facing away from the direction of the prevailing wind.

**Crest Fixing For Roof**

Self-drilling Hexagon Head screws with bonded neoprene washers.



**Valley Fixing For Cladding and Fascia**

Self-drilling Hexagon Head screws.



**End Laps**

230 mm - For roof pitches below 3°  
 150 mm - For roof pitches above 5°

**Turn-up Edge**

Irrespective of roof slopes, it is compulsory to turn up the edges of the sheets at the top end. This will act as a shield to any possible back splash of water into the building.



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