



Swissma
BUILDING TECHNOLOGIES SDN. BHD.

Sanko Speed Deck

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.

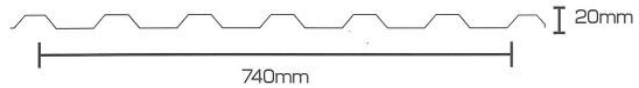
- **Application:**
For all types of buildings (industrial, commercial or residential).
- **Special On-site Forming:**
For lengths exceeding the permissible normal transportation, roofing profile can be formed at site to eliminate end lapping.
- **Easy Installation:**
Installed using self-drilling screws 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.



ISO 9001:2015 Certified

Effective Width : 740 mm
 Rib Height : 20 mm
 Minimum Roof Pitch : 3°



Natural Curve:
 Minimum radius of curvature of steel structure is 17m.

Crimp Curve:
 Minimum bending radius is 450 mm.

Physical Properties

B.S.T. mm	Self Weight kg/m ²	M.O.I. lxx cm ⁴	Sec. Mod. Zxx cm ³
0.35E	3.77	2.91	3.37
0.42E	4.44	3.46	4.01
+0.48E	5.04	3.93	4.55
+0.55E	5.72	4.34	5.12
+0.60E	6.19	4.84	5.60

Maximum Roof Length (m) vs Rainfall Intensities (Based on maximum water level at 14 mm)

Rainfall mm/hr	Roof Pitch (Degree)				
	3°	5°	7°	10°	12°
250	24	31	37	44	48
300	20	26	31	36	40
350	17	22	26	31	34
400	15	20	23	27	30

Maximum Allowable Support Spacings (m) - Roof (Based on 75 kg/m² design live load)

B.S.T. mm	End Span	Internal Span	Cantilever
0.35E	1.40	1.60	0.10
0.42E	1.50	1.70	0.10
+0.48E	1.60	1.80	0.15
+0.55E	1.70	1.90	0.15
+0.60E	1.80	2.00	0.15

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	1.50	1.70	0.15
0.42E	1.60	1.80	0.15
+0.48E	1.70	1.90	0.20
+0.55E	1.80	2.00	0.20
+0.60E	1.90	2.10	0.20

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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