



Swissma
BUILDING TECHNOLOGIES SDN. BHD.

Sanko Grip Deck

A Quality Metal Roofing & Cladding Product

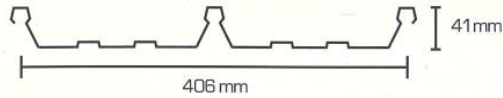
Available in Clean Colorbond®, Zinalume®, Kolorsteel and other types of surface coating or other materials.

Colorbond®
Zinalume®

PRIMA®
M A J U

- **Application:**
For all types of buildings (industrial, commercial or residential).
- **Special Features:**
Concealed fixing with no puncture on roof surface hence no leakages through punctures by screws. Can cater to very low roof pitch.
- **Special On-site Forming:**
For lengths exceeding the permissible normal transportation, roofing profile can be formed at site to eliminate end lapping.
- **Easy Installation:**
Secured via standard fixing straps with self-drilling screws.

Effective Width : 406 mm
 Rib Height : 41 mm
 Minimum Roof Pitch: 1°



Natural Curve:
 Minimum radius of curvature of steel structure is 65 m.

Physical Properties

B.S.T. mm	Self Weight kg/m ²	M.O.I. Ixx cm ⁴	Sec. Mod. Zxx cm ³
0.42E	5.18	11.96	9.55
0.48E	5.86	13.61	10.86
+0.55E	6.65	15.53	12.38
+0.60E	7.22	16.89	13.46
+0.70E	8.35	19.58	15.59

Maximum Roof Length (m) vs Rainfall Intensities
 (Based on maximum water level at 22 mm)

Rainfall mm/hr	Roof Pitch (Degree)			
	1°	3°	5°	7°
250	76	140	177	215
300	68	115	150	180
350	55	100	130	155
400	50	85	113	135

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

B.S.T. mm	End Span	Internal Span	Cantilever
0.42E	1.80	2.00	0.20
0.48E	1.90	2.10	0.20
+0.55E	2.00	2.20	0.30
+0.60E	2.10	2.30	0.30
+0.70E	2.20	2.40	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
0.42E	2.20	2.50	0.30
0.48E	2.30	2.60	0.30
+0.55E	2.40	2.70	0.40
+0.60E	2.50	2.80	0.40
+0.70E	2.60	2.90	0.40

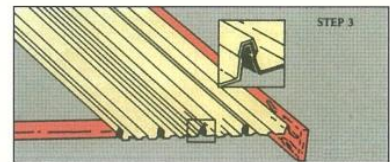
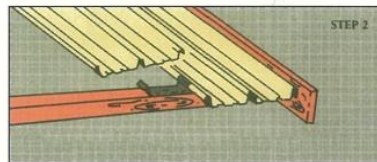
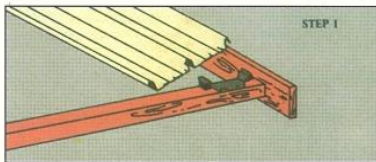
Note: E = High Tensile Steel (550 MPa)
 B.S.T. = Base Steel Thickness
 + = Non-standard Thickness

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.



End Laps

End lapping is not recommended to avoid puncturing the roof. However, if it is required, kindly contact us for advise.

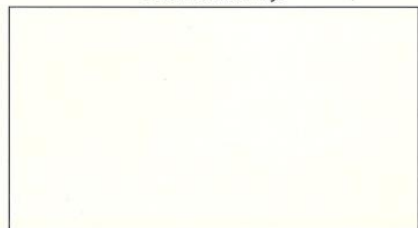
Turn-up Edge

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.



For enquiries, please contact:
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