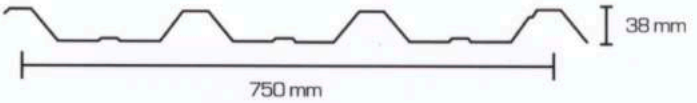
Sanko SK RIB 38 II

A Quality Metal Roofing & Cladding Product

Available in Clean Colorbond®, Zincalume®, Kolorsteel and other types of surface 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.

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



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

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/m²	M.O.I. Ixx cm⁴	Sec. Mod. Zxx cm³
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/m² 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.