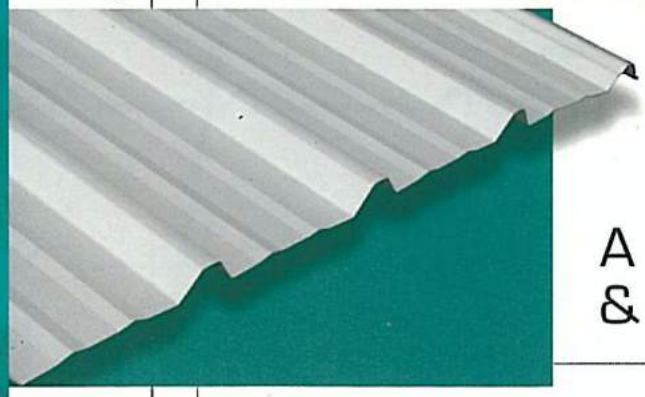
Astana AS760

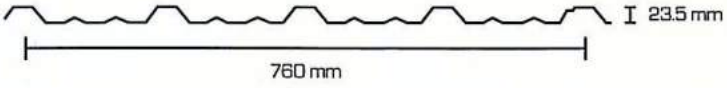


A Quality Metal Roofing & Cladding Product

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 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 : 760 mm
Rib Height : 23.5 mm
Minimum Roof Pitch : 3°



Natural Curve:
Minimum radius of curvature of steel structure is 20 m.

Physical Properties

B.S.T. mm	Self Weight kg/m²	M.O.I. Ixx cm⁴	Sec. Mod. Zxx cm³
0.35E	3.67	3.09	3.98
0.42E	4.33	3.68	4.74
+0.48E	4.90	4.18	5.38
+0.55E	5.57	4.75	6.11
+0.60E	6.03	5.16	6.63

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	54	70	76	90	109
300	45	59	65	75	88
350	39	50	59	63	75
400	33	44	51	55	64

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	1.80	2.00	0.15
0.42E	1.90	2.20	0.15
+0.48E	2.00	2.40	0.20
+0.55E	2.10	2.60	0.20
+0.60E	2.20	2.80	0.20

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	2.20	0.20
0.42E	2.10	2.40	0.20
+0.48E	2.20	2.60	0.30
+0.55E	2.30	2.70	0.30
+0.60E	2.40	2.80	0.30

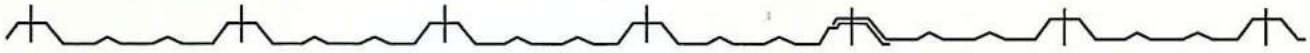
Note: E = High Tensile Steel (550 MPa)
B.S.T. = Base Steel Thickness
\+ = Non-standard Thickness

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.