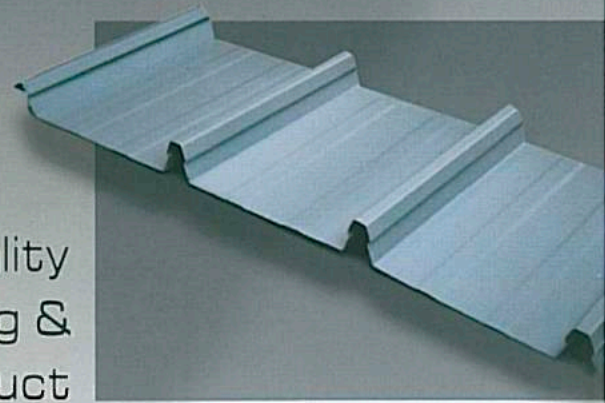




# GRIP DECK 3-PAN

A Quality  
Metal Roofing &  
Cladding Product



Available in Clean Colorbond® Steel, Zinalume® Steel, Prima Maju™ Steel and other types of surface coating or other materials.

- **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.

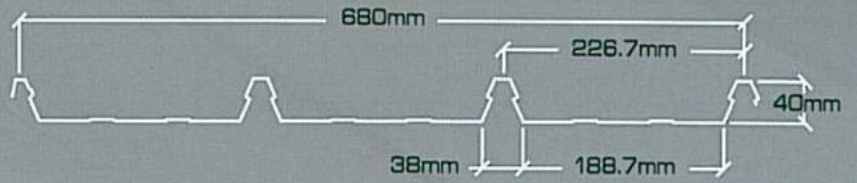
*clean* Colorbond®

Zinalume®

PrimaMaju™

COLORBOND® and ZINALUME® are registered trade marks of BlueScope Steel Limited.  
PRIMAMAJU™ are trade marks of BlueScope Steel Limited.





## SELF-WEIGHT

THICKNESS (BST) mm	kg/m	kg/m <sup>2</sup>
0.42E	3.10	4.63
0.48E	3.53	5.26
0.60E	4.37	6.53

Effective Width : 680mm  
 Rib Height : 40mm  
 Minimum Roof Pitch : 1°

## DISTRIBUTED LOAD CAPACITY OVER CONTINUOUS BEAM

SPAN (m)	THICKNESS (BST) mm	0.42 'E'	0.48 'E'	0.60 'E'
1.2	Safe Load (kg/m <sup>2</sup> )	580	662	828
	Deflection for above load (mm)	4	4	4
1.5	Safe Load (kg/m <sup>2</sup> )	371	424	530
	Deflection for above load (mm)	6	6	6
1.8	Safe Load (kg/m <sup>2</sup> )	258	294	368
	Deflection for above load (mm)	9	9	9
2.1	Safe Load (kg/m <sup>2</sup> )	189	216	270
	Deflection for above load (mm)	12	12	12
2.4	Safe Load (kg/m <sup>2</sup> )	145	166	207
	Deflection for above load (mm)	16	16	16
2.7	Safe Load (kg/m <sup>2</sup> )	114	131	164
	Deflection for above load (mm)	20	20	20
3.0	Safe Load (kg/m <sup>2</sup> )	93	106	132
	Deflection for above load (mm)	25	25	25
3.5	Safe Load (kg/m <sup>2</sup> )	68	78	97
	Deflection for above load (mm)	34	34	34

## MAXIMUM RECOMMENDED SUPPORT SPACING

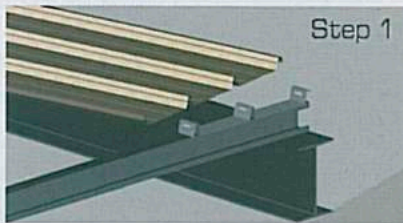
THICKNESS (BST) mm	ROOF			WALL			FREE CANTILEVER (mm)
	SINGLE SPAN (mm)	END SPAN (mm)	INTERNAL SPAN (mm)	SINGLE SPAN (mm)	END SPAN (mm)	INTERNAL SPAN (mm)	
0.42E	1500	1650	2000	1900	2200	2400	300
0.48E	1600	1800	2200	2200	2400	2900	400
0.60E	2000	2300	2700	2300	2600	3000	400

NOTE: E = High Tensile Steel (550 mpa)  
 BST = Base Steel Thickness

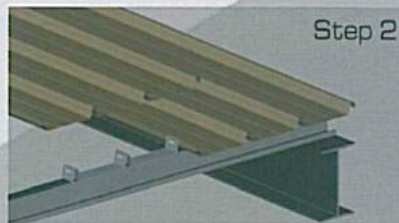
## Installation Method

### Laying Procedure

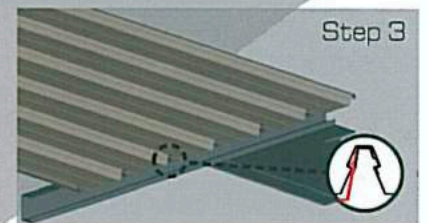
It is always advisable to lay sheets with side laps facing away from the direction of the prevailing wind.



Step 1



Step 2



Step 3

### 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.