



ASTEEL
GROUP

Z-PURLIN

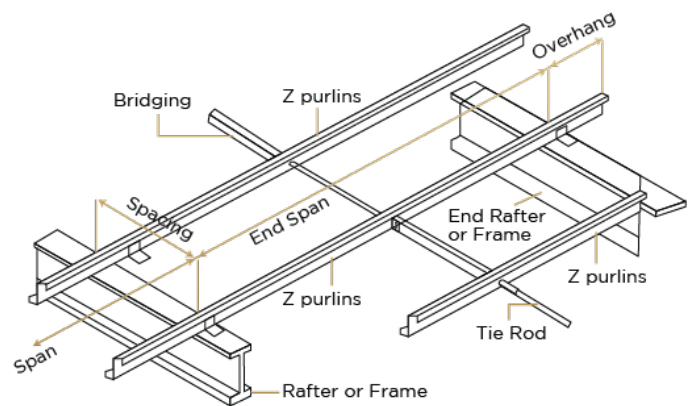
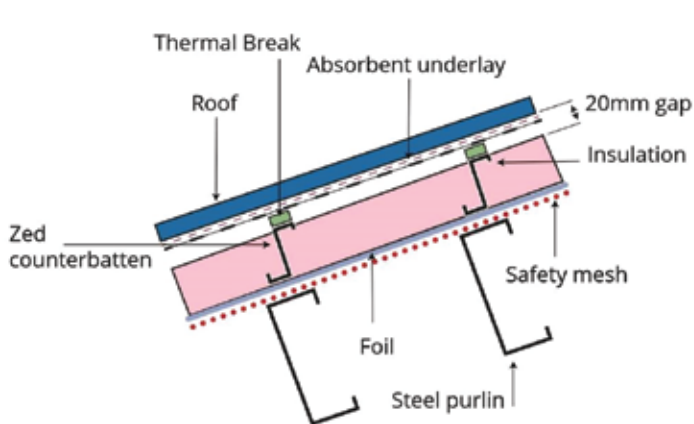


PROFILE DIMENSION

With the zinc coating and yield strength conforming to JIS G3302/ AS 1397, ASTEEL Z-Purlin ensure long service life, strong and will not warp, crack or sag. Commonly use as as support for roofing & wall cladding.

SPECIFICATION

Material Used: Hot Dipped Galvanised Steel
Standard: JIS G3302 / AS 1397
Available Thickness (mm): 1.5, 1.9, 2.4
Yield Strength: Min 550 Mpa for thickness 1.0
Min 450 Mpa for thickness 1.5, 1.9, 2.4
Zinc Coating Mass: Min 350g/mm for thickness 1.5, 1.9, 2.4
Length tolerance for all section is ± 5 mm.



DESIGN
FLEXIBILITY



TERMITE
PROOF



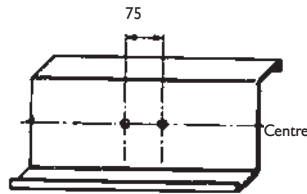
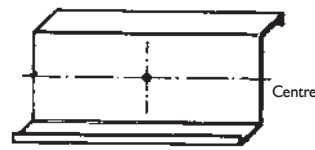
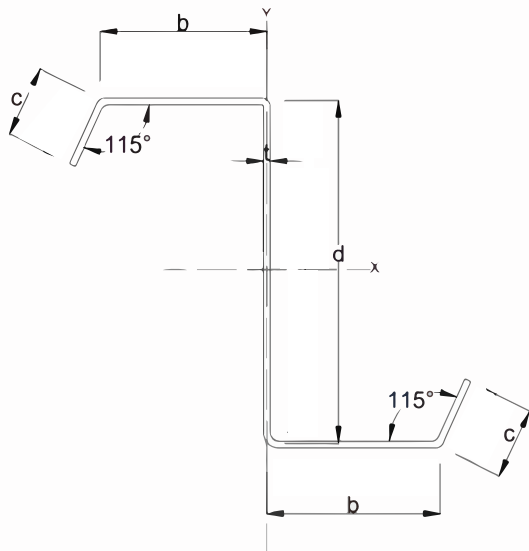
DURABILITY



ASTEEL GROUP
PRODUCT

DIMENSION OF Z-PURLIN

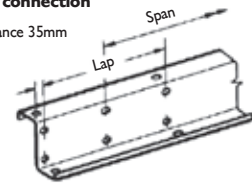
CENTRELINE HOLES FOR 300 AND 250 SECTIONS ONLY



STANDARD HOLES FOR Z-PURLIN

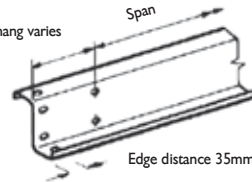
Lapped connection

Edge distance 35mm



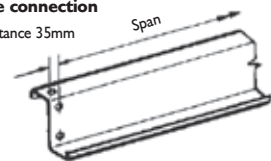
End Bay

Overhang varies



Simple connection

Edge distance 35mm



Z-PURLIN FULL SELECTION PROPERTIES

Purlin	Weight Per Meter	Load Per Meter	Depth, d	Width, b	Lip, c	Thickness, t	Radius of Inside Bend, R	Area, A	Distance Between Centroid and Centerline of Web, X	Distance Between Shear Center and Centerline of Web, Y	Second Moment of Area, I _{xx}	Second Moment of Area, I _{yy}	Radius of Arc Centre Line, r	Effective Depth, d _{eff}	Effective Width, b _{eff}	Effective Lip, c _{eff}	Buckling Parameter, u	Effective Area, A _{eff}
	kg/m	kN/m	mm	mm	mm	mm	mm	mm ²	mm	mm	mm ⁴	mm ⁴	mm	mm	mm	mm	mm	mm ²
ZP150155	3.89	0.038	150	65	20	1.55	2.5	496	76.22	75	1503988	751419	3.28	141.9	56.9	11.9	5.14	465.10
ZP150195	4.90	0.048	150	65	20	1.95	2.5	624	76.42	75	1846815	921978	3.48	141.1	56.1	11.1	5.46	579.78
ZP150245	6.15	0.060	150	65	20	2.45	2.5	784	76.67	75	2249774	1121828	3.73	140.1	55.1	10.1	5.85	720.04
ZP200155	4.75	0.047	200	75	20	1.55	2.5	604.5	86.22	100	3263478	1459751	3.28	191.9	66.9	11.9	5.14	573.60
ZP200195	5.97	0.059	200	75	20	1.95	2.5	760.5	86.42	100	4024295	1801968	3.48	191.1	66.1	11.1	5.46	716.28
ZP200245	7.50	0.074	200	75	20	2.45	2.5	955.5	86.67	100	4929104	2209960	3.73	190.1	65.1	10.1	5.85	891.54
ZP250155	5.60	0.055	250	85	20	1.55	2.5	713	96.22	125	6007722	2581367	3.28	241.9	76.9	11.9	5.14	682.10
ZP250195	7.04	0.069	250	85	20	1.95	2.5	897	96.42	125	7430129	3199322	3.48	241.1	76.1	11.1	5.46	852.78
ZP250245	8.85	0.087	250	85	20	2.45	2.5	1127	96.67	125	9135214	3944071	3.73	240.1	75.1	10.1	5.85	1063.04
ZP300155	6.57	0.064	300	100	20	1.55	2.5	837	111.22	150	10295003	4362643	3.28	291.9	91.9	11.9	5.14	806.10
ZP300195	8.27	0.081	300	100	20	1.95	2.5	1053	111.42	150	12765513	5420816	3.48	291.1	91.1	11.1	5.46	1008.78
ZP300245	10.39	0.102	300	100	20	2.45	2.5	1323	111.67	150	15747272	6704575	3.73	290.1	90.1	10.1	5.85	1259.04

STORAGE

Z-PURLIN should be kept under shed or wrapped under plastic sheets well ventilated and clear from ground to avoid moisture contact. Always keep the Z-PURLIN at a slanting angle to let water run off. Do not get in contact with chemicals, dirt, oil based liquids and corrosive vapours.

MANUFACTURE BY:

Kuching Factory

Lot 801, Block 7, Demak Laut Industrial Park,
93050 Kuching, Sarawak, Malaysia.
TEL: +6082 433888
FAX: +6082 433833

Bintulu Factory

Lot 598 Block 20, Jalan Tg. Kidurong,
Kidurong Industrial Estate,
97000 Bintulu, Sarawak, Malaysia.
TEL: +6086 339648
FAX: +6086 315648

Mukah Factory

Sublot 6&7, Lot 1114&1115,
Seng Ling Industrial Estate, Jalan Bedanga,
96400 Mukah, Sarawak, Malaysia
TEL: +6016 7020 149

Miri Factory

Lot 7900 D/lot 872 Block 5,
Kuala Baram Land District,
98000 Miri, Sarawak, Malaysia.
TEL: +6085 651925
FAX: +6085 641045

DISTRIBUTE BY: