
You Inspire, We Deliver.
M-CLIPP
700
METAL

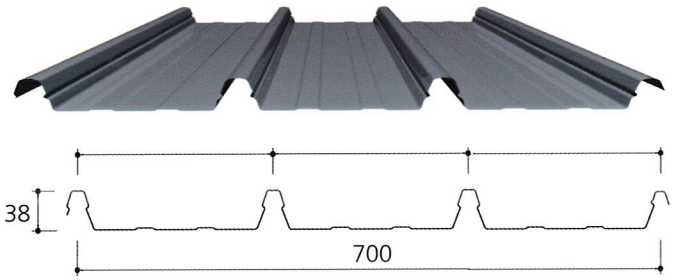
Benefits of M-Clipp 700

- It has a smooth, clean appearance. Because of special fixing clips which secure M-Clipp 700 to steel or timber supports without the need for punctures, fastening screws are invisible.
- It provides a very effective waterproof cladding system - its wide fluted pans and high ribbed design quickly disperse water to the perimeter of the roof - and is hence particularly well-suited for areas which are prone to heavy rainfall.
- It is extremely strong in terms of wind resistance. Its first-class resistance against corrosion, discolouration and tropical dirt staining, which requires minimal or no maintenance, makes it the best all-weather performer.
- It is simple and cheap to install. Long, straight lengths of M-Clipp 700 can be laid in place and easily aligned. The process of fixing the special clips is straightforward, simple and fast. The smaller number of clips for any given area also means greater economy. Furthermore, M-Clipp 700 is available in long lengths, meaning that it is likely you will only require one sheet from ridge to gutter without end laps.

The base material of M-Clipp 700 is a protected steel sheet with a minimum yield stress of 550MPa (Grade G550). Its coating is a metallic hot-dipped zinc/aluminium alloy comprising 55% Aluminium, 43.5% Zinc and 1.5% Silicon.

The minimum total coating mass for the zinc/aluminium alloy is 150 g/m2 or AZM150* coating class.

* AZM 150 is widely known as Galvalume®, a registered trademark of BIEC International Inc (USA) licensed to YP Enterprise Co., Ltd.
* AZM 200 is availabel upon request & subject to minimum order quantity.



*Tolerance ± 0.05mm

Recommended Maximum Support Spacing

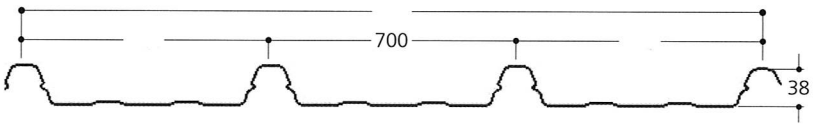
Base Metal Thicknes (mm)	Roof			Roof			Maximum Cantilever (mm)
	Single Span (mm)	Internal Span (mm)	End Span (mm)	Single Span (mm)	Internal Span (mm)	End Span (mm)	
0.42	1600	2200	1700	2400	3600	3000	250
0.48	2000	2800	2300	2700	3900	3300	300
0.60	2400	3400	2900	3000	4200	3600	350

Profile Specification

	Galvalume Steel	Elite Steel	Galvalume Steel	Elite Steel	Galvalume Steel	Elite Steel
Base Metal Thickness (mm)	0.42		0.48		0.60	
Total Coated Thickness (mm)	0.47		0.53		0.65	
Weight (kg/m2)	4.527	4.608	5.142	5.233	6.38	6.413
Coverage (m2/t)	221	217	194	191	156	155

Profile
M-Clipp 700

- Combines with smart fluted spans and a lock system rib designed.
- Manufactured from a high tensile steel substrate protected with corrosion inhibitive treatment.
- Wider effective cover width of 700mm and rib heights of 38mm.
- Again concealed fixing method with clip and locking system.
- It's strongly recommend for applications from low pitched roofs to vertical or horizontal ribbed walling for shop offices, exhibition halls, warehouse, factory modern residential and etc.
- Sheets are available on application via our mobile roll-forming capabilities.



Effective width : 700mm
Rib Height : 38mm
Minimum Roof Pitch : 1°

*Tolerance ± 0.05mm

Data Sheet

Minimum Fall

The amount of water that must be shed increases with the length of the roof. To avoid possible back-up of water in severe wind condition, the following recommended roof length should be considered as maximum for a given roof pitch and rain fall rate.

	RECOMMENDED MAXIMUM ROOF LENGTH (M)					
M-Clipp 700	SLOPE IN DEGREE	1°	2°	3°	5°	7.5°
	RAINFALL (mm/h)					
	250	40	51	60	75	88
	300	34	43	50	61	75
	400	26	30	37	47	56
	500	20	26	30	38	45

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Note: All thickness shown above is nominal & provisional. The information contained herein is factual and numerical value are accurate at time of publication and subject to actual site condition.

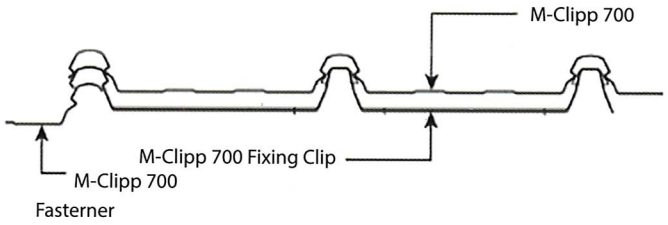
General Information

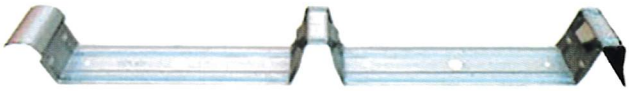
	DISTRIBUTED LOAD CAPACITY - CONTINUOUS SPAN CONDITION										
M-Clipp 700	Thickness (mm) (BMT)	Span	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
		Serviceability		2.23	1.83	1.63	1.33	0.93	0.63	0.53	0.43	0.28
	0.40	Strength		3.56	2.92	2.60	2.12	1.48	1.00	0.84	0.68	0.44
		Serviceability		2.53	2.03	1.70	1.43	1.13	0.83	0.73	0.53	0.38
	0.42	Strength	kN/m²	4.04	3.24	2.76	2.28	1.80	1.32	1.16	0.84	0.60
		Serviceability		3.04	2.54	2.14	1.74	1.44	1.14	0.89	0.74	0.64
	0.48	Strength		4.84	4.04	3.40	2.76	2.28	1.80	1.40	1.16	1.00

***Based on dead load 0.1kN/m2. Live load 0.25kN/m2 & wind load 0.75kN/m2.*
***Deflection Limit : SPAN/180.*

Fastener

M-clipp 700 Fixing Clip





Fixing To Steel Supports

	Thickness	No Insulation (Directly to support)	Over Insulation Blanket
M-Clipp 700	Up to 4.5mm	No. 10 - 12 x 25mm wafer head self-drilling steel screws	increases to 22mm long screw if required
	Exceed 4.5mm	No. 12 -24 x 32 wafer head self-drilling steel screws	

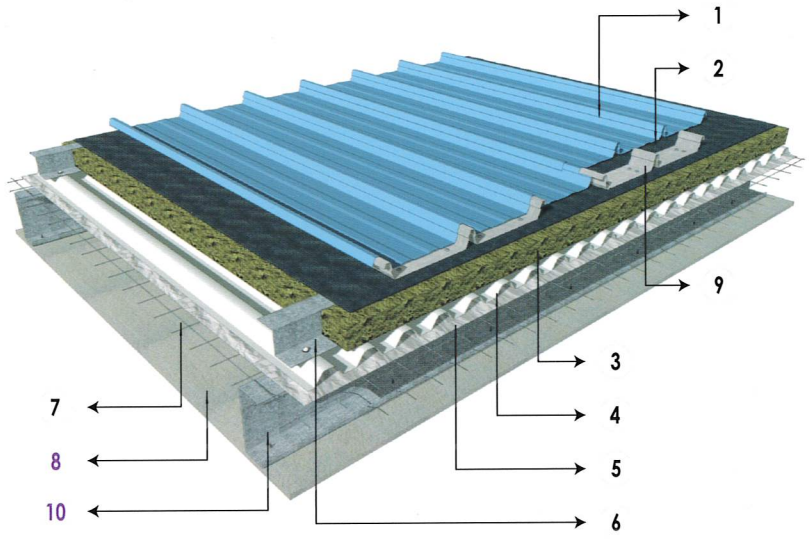
Fixing To Timber Support

	Type of Timber	No Insulation (Directly to support)	Over Insulation Blanket
M-Clipp 700	Hardwood	No. 10 - 12 x 25mm wafer head self-drilling steel screws	increases to 45mm long screw if required
	Softwood	No. 10 -12 x 45 wafer head self-drilling steel screws	

Roof System

The 1st sheet is positioned and then pressed over the fixing clip which must be accurately aligned and fixed to ensure positive engagement between the roof sheet and the fixing clips. A "click" indicate a positive lock. The second and subsequent sheets are laid each time after a new set of fixing clips have been placed firmly over the male rib o the preceding sheets.

Note: Please contact your nearest M Metal (M) Sdn Bhd for advise on use of an expansion joints, or use long length sheet from a mobile roll former.



1. M-CLIPP 700, 0.54mm TCT IN ELITE SERIES PRE-PAINTED STEEL AS ROOFING SHEET
2. 1 LAYER OF 1mm THK. SELF-ADHESIVE BITUMEN FELT AS ROOF UNDERLAYMENT
3. 1 LAYER OF 50mm THK. ROCKWOOL INSULATION (DENSITY: 80 kg/m^3)
4. M-SPAN 925, 0.47mm TCT IN (min. AZ150) ALLOY COATED STEEL AS ROOFING SUBSTRATE (NON-COLOR)
5. 1 LAYER OF DOUBLE-SIDED ALUMINIUM FOIL, VAPOR / RADIANT BARRIER
6. GALVANIZED ZED SUB-GIRT AT EVERY PURLIN SPACING
7. 1 LAYER OF GALVANIZED ROOF SAFETY MESH
8. *1 LAYER OF 15mm THK. GYPSUM BOARD OR EQUIVALENT BY CEILING SPECIALIST*
9. CONCEALED FIXING CLIPS AT EVERY PURLIN SPACING
10. *M METAL HIGH TENSILE GALVANIZED CEE OR ZED PURLINS AT 1200mm C/C MAX. RECOMMENDED SPACING*

Formed with Hi-Tensile Galvanised Steel

Locally produced & custom-cut using modern machinery

FPC & ISO 9001:2015 Certified

We are aware of the importance of having shelter over our heads.
We also understand overheads.
Talk to us about our competitive pricing and services.
We are standing by to receive your call.

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