

AJIYA®

ROOFING PRODUCTS

Clip And Locking System



A002058 A002878



MS 2500 : 2012
PC003285 PCV03388



MS ISO 9001:2015 REG. No. AR 0954



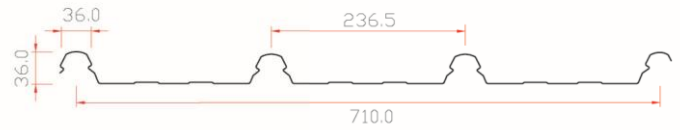
www.ajiya.com

CL 710

Clip 'n' Locking System



SECTIONAL PROFILE



- Roll - forming long length high tensile metal decking.
- Combines with smart fluted spans and a lock-action rib design.
- Manufactured from high tensile steel substrate protected with corrosion inhibitive treatment.
- Roofing and walling profiles with material warranty up to 25 years. *[Warranty terms & conditions apply]*
- Wider effective cover width of 710mm and rib height of 36mm.
- For minimum roof pitch of 1°.
- Concealed fixing method with clip and locking system.
- Strongly recommend for applications from low pitched roofs to vertical or horizontal ribbed walling for warehouse, shop offices, exhibition halls, and etc.

Dimensions

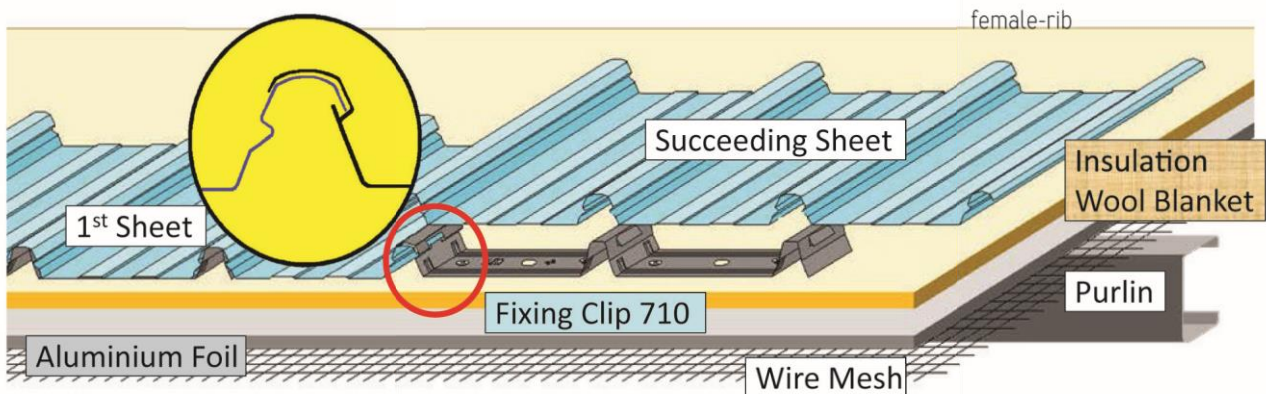
Rib height	: 36mm ± 1mm
Effective cover	: 710mm
Minimum roof pitch	: 1°

Tolerance

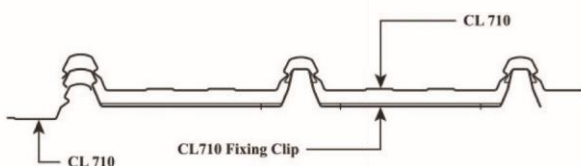
Thickness for material	: ±0.03mm
Effective Width	: ±5mm
Finishing Length	: ±5mm

INSTALLATION METHOD

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 female rib of the preceding sheets.



Please contact your nearest Asia Roofing Industries Sdn. Bhd. for advice on use of an expansion joints, or use long length sheet from a mobile roll former.



AJIYA CL 710 WITH FIXING CLIP



AJIYA CL 710 FIXING CLIP

AVAILABLE THICKNESS ***

CL 710	Base Metal Thickness (mm)	Total Coated Thickness (mm)	* Weight per meter (kg/m)	* Weight per sq meter (kg/m ²)	* Coverage per ton (m ² /MT)	Steel Grade	Minimum Yield Strength (MPa)
	0.40	0.46	3.01	4.24	236	JIS3312(MS2383) / AS1397 (MS1196)	550
	0.42	0.48	3.15	4.44	225	JIS3312(MS2383) / AS1397 (MS1196)	550
	0.48**	0.53	3.58	5.04	198	JIS3312(MS2383) / AS1397 (MS1196)	550

- Total Coated Thickness (TCT) depends on Coating Mass. Please contact our technical department for advice, or, other thickness.

*Weight shown above is depending on material used.

**0.48mm: Depends on material availability.

DISTRIBUTED LOAD CAPACITY - CONTINUOUS SPAN CONDITION ***

CL 710	Thickness (mm) [BMT]	Span	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
	0.40	Serviceability	kN/m ²	2.23	1.83	1.63	1.33	0.93	0.63	0.53	0.43	0.28
		Strength		3.56	2.92	2.60	2.12	1.48	1.00	0.84	0.68	0.44
	0.42	Serviceability		2.53	2.03	1.73	1.43	1.13	0.83	0.73	0.53	0.38
Strength		4.04		3.24	2.76	2.28	1.80	1.32	1.16	0.84	0.60	
0.48	Serviceability	3.04		2.54	2.14	1.74	1.44	1.14	0.89	0.74	0.64	
	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.

RECOMMENDED MAXIMUM SPACING OF SUPPORTS ***

CL 710	Base Metal Thickness (mm)	Total Coated Thickness (mm)	ROOF				WALL			
			Single Span (mm)	End Span (mm)	Internal Span (mm)	Cantilever (mm)	Single Span (mm)	End Span (mm)	Internal Span (mm)	Cantilever (mm)
			0.40	0.46	1600	1700	2200	250	2100	1700
0.42	0.48	1600	1700	2200	250	2200	1800	2100	250	
0.48	0.53	1600	1700	2200	250	2400	2000	2500	250	

- Based on dead load 0.1kN/m², Live load 0.25kN/m² & wind load 0.75kN/m².

RECOMMENDED MAXIMUM ROOF LENGTH (M) ***

CL 710	SLOPE IN DEGREE	1°	2°	3°	5°	7.5°
	RAINFALL (mm/h)					
	250	126	158	185	230	275
300	105	131	154	192	229	
400	79	98	116	144	171	
500	63	79	92	115	137	

- 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 conditions, the following recommended roof length should be considered as maximum for a given roof pitch and rain fall rate.

*** 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.



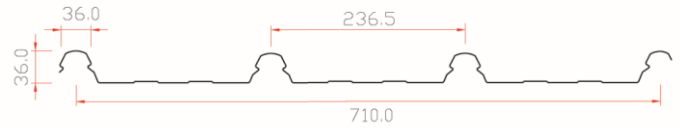
CL 710 CRIMP CURVE



Clip 'n' Locking System



SECTIONAL PROFILE



- Roll - forming long length high tensile metal decking.
- Combines with smart fluted spans and a lock-action rib design.
- Manufactured from high tensile steel substrate protected with corrosion inhibitive treatment.
- Roofing and walling profiles with material warranty up to 25 years. *[Warranty terms & conditions apply]*
- Wider effective cover width of 710mm and rib height of 36mm.
- For minimum roof pitch of 1°.
- Concealed fixing method with clip and locking system.
- Strongly recommend for applications from low pitched roofs to vertical or horizontal ribbed walling for warehouse, shop offices, exhibition halls, and etc.

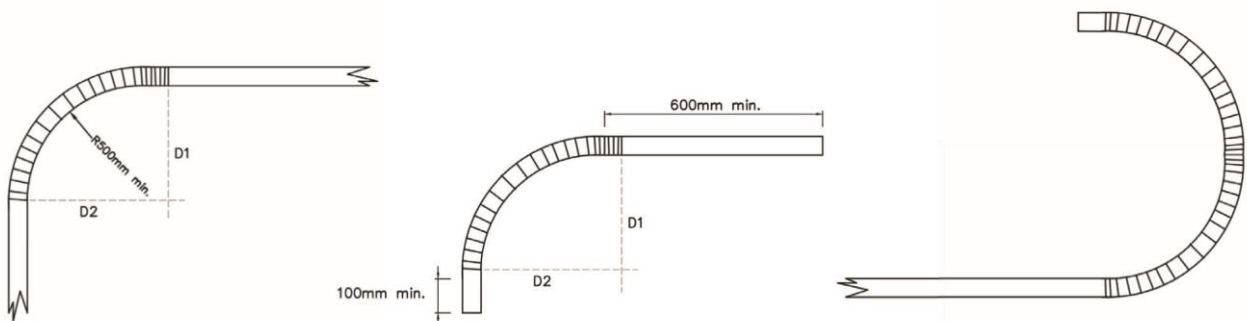
Dimensions

Rib height	: 36mm ± 1mm
Effective cover	: 710mm
Minimum roof pitch	: 1°

Tolerance

Thickness for material	: ±0.03mm
Effective Width	: ±5mm
Finishing Length	: ±5mm

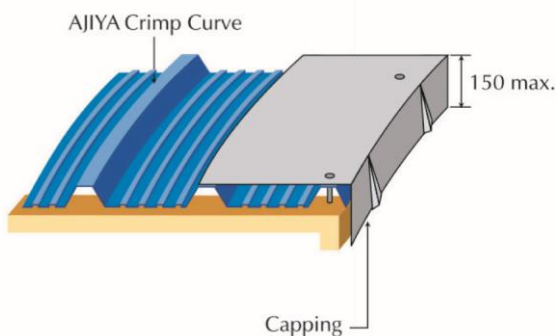
AJIYA CRIMP CURVE SERIES (APPLICABLE FOR CL 710 CRIMP CURVE)



Customer to provide crimp curve height (D1) & width (D2) to us for crimping production. Width (D2) must be longer than height (D1) to produce crimp curve.

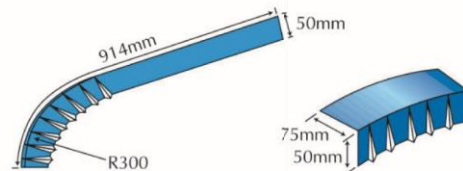
To facilitate side lapping, it is recommended that sheets to be curved to a maximum semi-circle.

A TYPICAL CRIMP CURVED FIXING

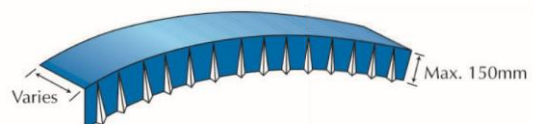


ACCESSORIES

Standard AJIYA Crimp Curve Capping



Custom-made AJIYA Crimp Curve Capping.



***Other normal capping and flashing can be fabricated to requirements.*

GENERAL INFORMATION

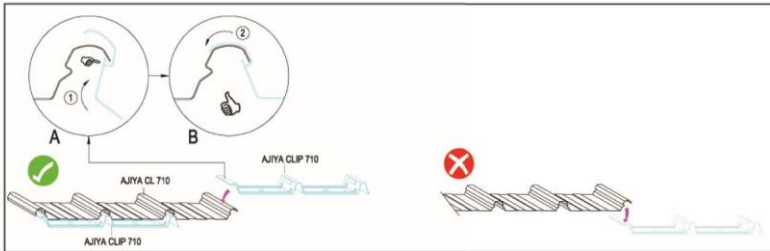
FIXING TO STEEL SUPPORTS

	Thickness	No Insulation (Directly to supports)	Over Insulation Blanket
CL 710	Up to 4.5mm	No. 10 - 12 x 25mm wafer head self-drilling steel screws	Increase to 22mm long screw if required
	Exceed 4.5mm	No. 12 - 24 x 32mm wafer head self-drilling steel screws	

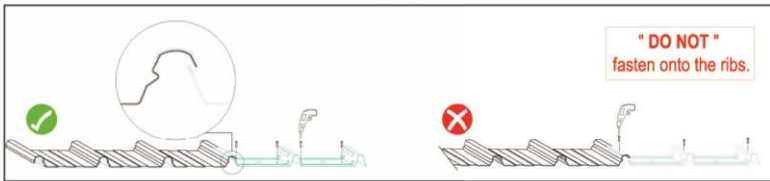
INSTALLATION STEPS

CL 710

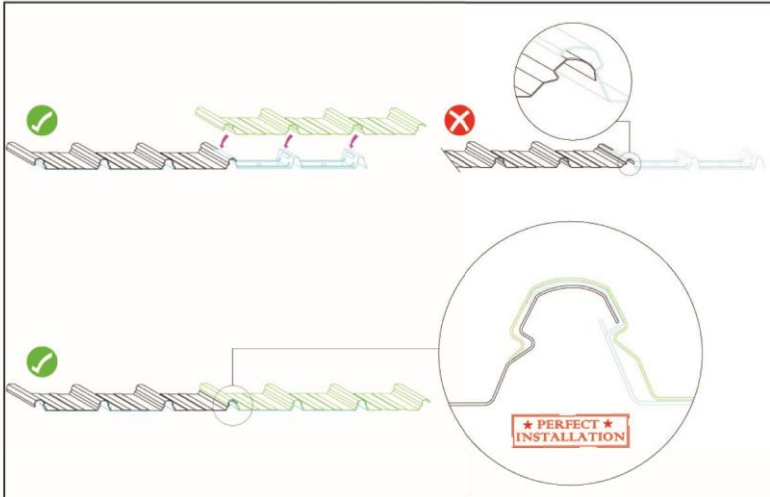
1. Install by overlapping the fixing clip onto the roofing sheet.
Ensure roofing sheet was hook by fixing clip.



2. All the screws must be fastened at the proper location on the pan.



3. Ensure the interlocking ribs be engaged firmly between the roof sheet and the clips.



* Remarks : Accurate alignment ensures efficient locking of sheets and clips.

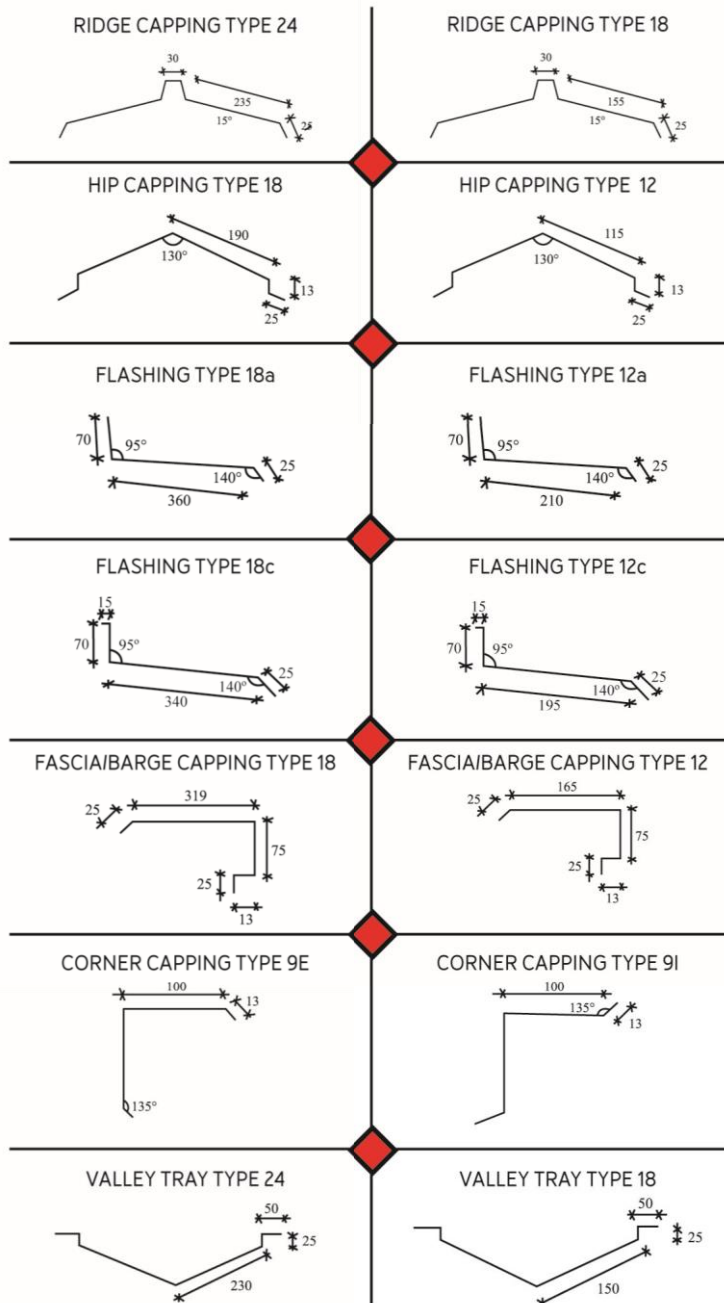
SAMPLE OF SPECIFICATION

To supply AJIYA (CL 710 Clip 'n' Locking System, CL 710 CRIMP CURVE) High Tensile Metal Roofing Sheets to be fixed onto Ajya Fixing Clip CL710 in Pre-painted hot-dipped zinc-coated steel OR Pre-painted hot-dipped zinc aluminium alloy-coated steel to be fixed with/without insulation, and come complete with necessary fitting and accessories.

Note: Details in accordance with manufacturer's instructions.



AJIYA STANDARD CAPPING / FLASHING



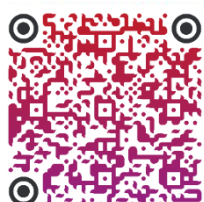
COLOR SELECTION CHART



AJIYA Colour Chart



PrimaMaju Colour Chart



CEP Colour Chart



CCB Colour Chart

Note:

Colours printed in this brochure are as close as normal printing process would allow and customers are advised to check and verify your chosen colour against an actual sample of the product before purchasing.

Other colours and thickness available upon request. Subject to stock availability and time delivery. All colours shown above are close to the actual steel colour as the limitation of the actual colour tones.

Corporate Head Office & Factory

Lot 153, Kawasan Perindustrian
 Jalan Genuang, 85000 Segamat,
 Johor.
 Tel : +607-943 4211
 Fax : +607-943 1054
 Email: enquiry@ajiya.com

Marketing HQ & Factory

No. 4, Jalan Sg Pelubung 32/149
 Seksyen 32, 40460 Shah Alam,
 Selangor.
 Tel : +603-5121 0011
 Fax : +603-5121 0111

Southern Marketing Office & Factory

Lot 7068, Jalan Seelong,
 Kampung Maju Jaya,
 81300 Johor Bahru, Johor.
 Tel : +607-557 3733
 Fax : +607-556 5733

Mentakab Marketing Office & Factory

No.11, Jalan Industri 3/5,
 Taman Perindustrian Temerloh,
 28400 Mentakab, Pahang.
 Tel : +609-270 1313
 Fax : +609-270 1311

Related Companies

ARI UTARA SDN BHD (273092-U)
 Lot 28, Taman Perindustrian
 Bukit Makmur, 08000 Sungai Petani,
 Kedah.
 Tel : +604-442 2899
 Fax : +604-442 2799

Subsidiary Companies

ARI TIMUR (KB) SDN BHD (714587-K)
 Lot 1306, Kawasan Perindustrian
 Pengkalan Chepa II,
 16100 Kota Bharu, Kelantan.
 Tel : +609-774 5946
 Fax : +609-774 6946



www.ajiya.com

The information and illustration contained herein are for guidance only. Care has been taken to ensure all data and information herein is factual and numerical values are accurate at the time of publication. However, any or all technical specification, information and dimensions are nominal and provisional; they are subjected to change and variations in accordance with market conditions at the date of factual supply. No representation is made or to be implied as to the data and information herein; Asia Roofing Industries Sdn. Bhd. and its subsidiary and associate companies shall not be responsible for any errors in or misrepresentation of the information contained in this brochure or its use. Asia Roofing Industries Sdn. Bhd. and its subsidiary and associate companies reserve the right to alter any or all specifications as deemed fit and necessary without prior notice.