



ROOFING & WALLING PRODUCTS

Pierce-Fastened Roof System



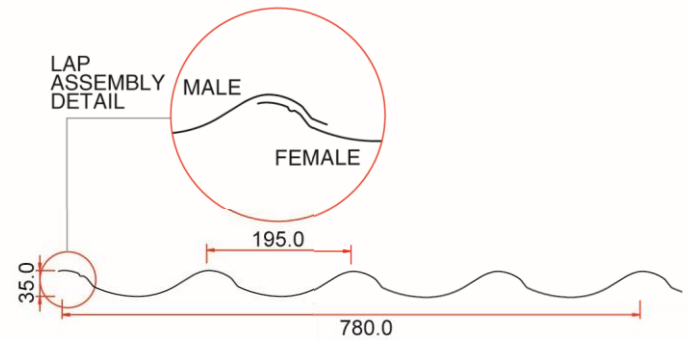
www.ajiya.com

Step Profile Metal Roofing



- Roll-formed from G300 grade of steel step profile metal roofing sheet.
- Roofing profiles with material warranty up to 25 years. (Warranty terms & conditions apply)
- With effective cover width of 780mm and rib height of 35mm.
- Recommended minimum roof pitch 8°.
- Euro come with module length of 300mm and 350mm.
- Innovative, durable and cost effective.
- Widely used for all types of residential and commercial project such as bungalows, shop offices, hostels, condominiums, schools, government staff quarters, mosques and etc.
- Prevent burglaries entry, durable and lightweight compare to conventional concrete tiles.
- 80% lighter material compare to normal clay / concrete tiles, it is extremely easy to handle and do not impose unnecessary stress onto the roof structures, furthermore it is unbreakable.

SECTIONAL PROFILE



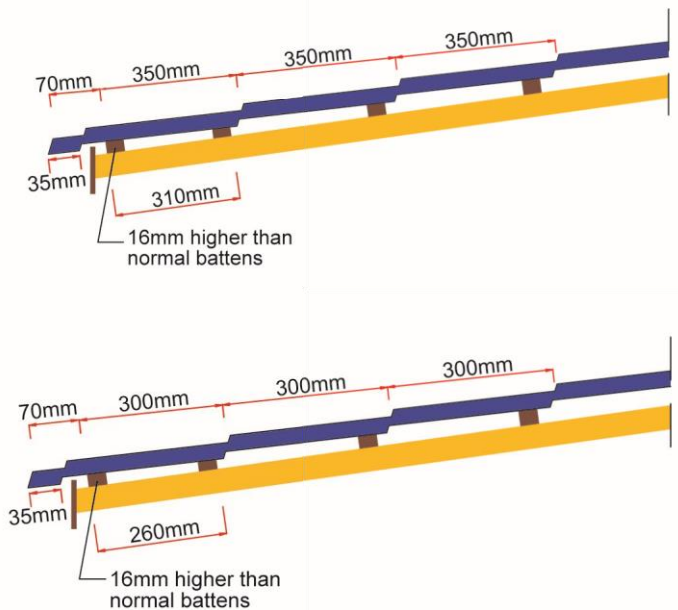
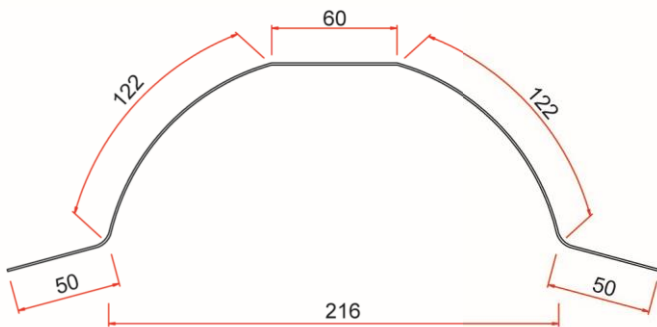
Dimensions

Rib height	: 35mm ± 1mm
Effective cover	: 780mm
Minimum roof pitch	: 8°

Tolerance

Thickness for material	: ±0.03mm
Effective Width	: ±3mm
Finishing Length	: ±5mm

STANDARD BARREL CAPPING



EURO	AVAILABLE THICKNESS ***						
	Base Metal Thickness (mm)	Total Coated Thickness (mm)	* Weight per meter (kg/m)	* Weight per sq meter (kg/m²)	* Coverage per ton (m²/MT)	Steel Grade	Minimum Yield Strength (MPa)
	0.35	0.40	2.65	3.40	295	JIS3312(MS2383) / AS1397 (MS1196)	300
	0.40	0.46	3.01	3.86	259	JIS3312(MS2383) / AS1397 (MS1196)	300
	0.42	0.48	3.15	4.04	248	JIS3312(MS2383) / AS1397 (MS1196)	300
	0.48**	0.53	3.58	4.59	218	JIS3312(MS2383) / AS1397 (MS1196)	300

- 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.

EURO	DISTRIBUTED LOAD CAPACITY						
	Thickness (mm) [BMT]		mm	300mm module		350mm module	
				[End Span] 260mm	[Internal Span] 300mm	[End Span] 310mm	[Internal Span] 350mm
	0.35	Serviceability	kN/m²	1.48	1.29	1.25	1.11
		Strength		2.36	2.05	1.98	1.76
	0.40	Serviceability		1.97	1.71	1.66	1.47
		Strength		3.14	2.73	2.64	2.34
	0.42	Serviceability		2.18	1.89	1.83	1.63
		Strength		3.47	3.02	2.92	2.59
	0.48	Serviceability		2.81	2.44	2.36	2.10
		Strength		4.48	3.89	3.76	3.34

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

- Deflection Limit: SPAN/180.

EURO	Recommended Maximum Spacing of Supports (for 350mm module)				
	Base Metal Thickness (mm)	Total Coated Thickness (mm)	ROOF		
			End Span (mm)	Internal Span (mm)	Cantilever (mm)
	0.35	0.40	310	350	250
	0.40	0.46	310	350	250
	0.42	0.48	310	350	250
	0.48	0.53	310	350	250

EURO	Recommended Maximum Spacing of Supports (for 300mm module)				
	Base Metal Thickness (mm)	Total Coated Thickness (mm)	ROOF		
			End Span (mm)	Internal Span (mm)	Cantilever (mm)
	0.35	0.40	260	300	250
	0.40	0.46	260	300	250
	0.42	0.48	260	300	250
	0.48	0.53	260	300	250

*** 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.

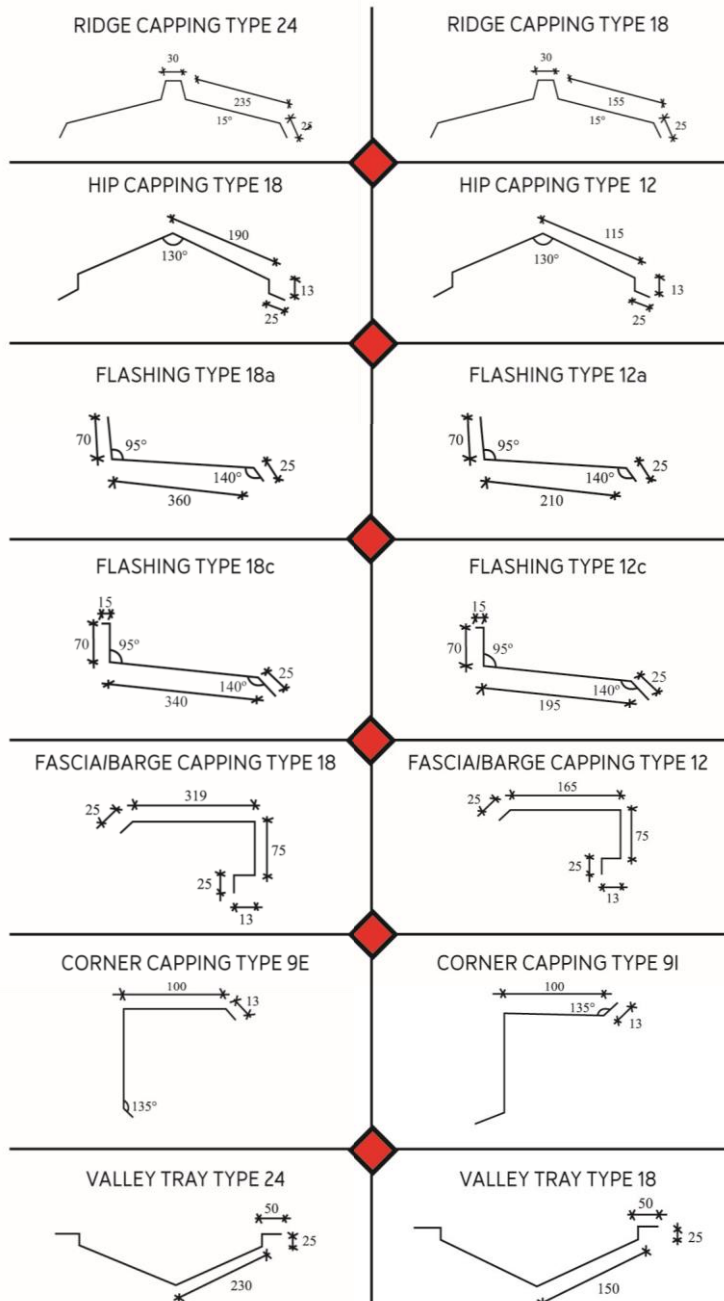
SAMPLE OF SPECIFICATION

To supply **AJIYA EURO STEP PROFILE** Metal Roofing Sheets 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



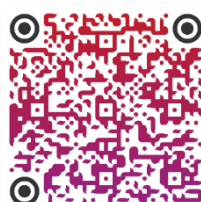
COLOR SELECTION CHART



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.

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AJIYA®

ROOFING PRODUCTS

Clip And Locking System



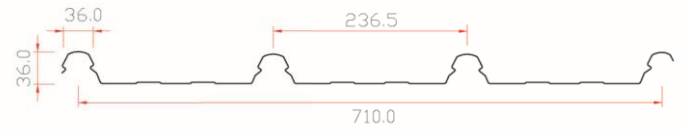
www.ajiya.com

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

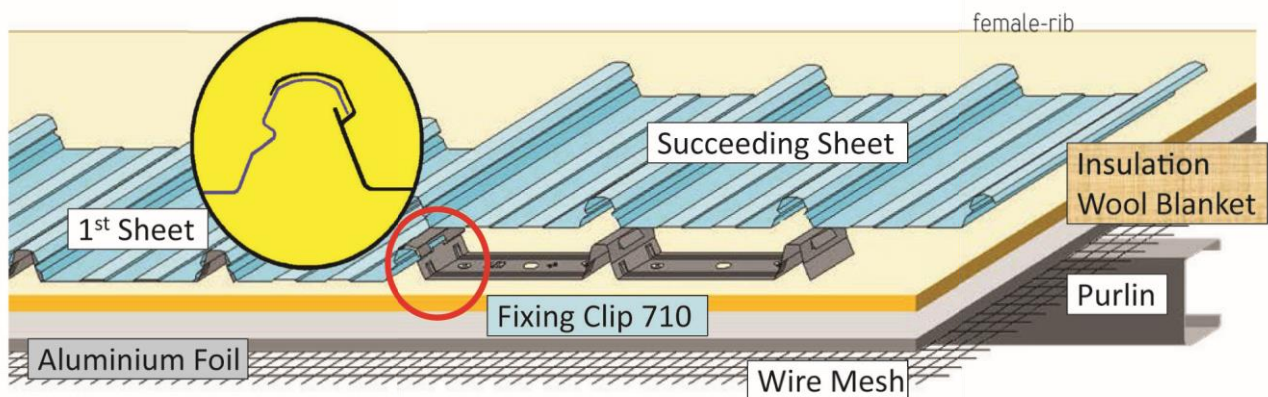
Rib height	: 36mm ± 1mm
Effective cover	: 710mm
Minimum roof pitch	: 1°

Tolerance

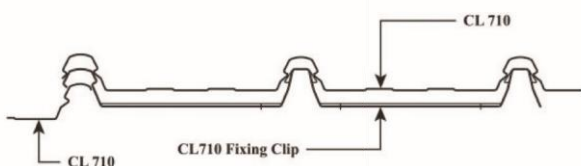
Thickness for material	: ±0.03mm
Effective Width	: ±5mm
Finishing Length	: ±5mm

INSTALLATION METHOD

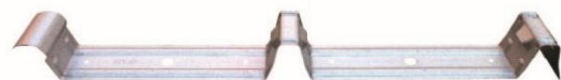
The 1st sheet is positioned and then pressed over the fixing clip which must be accurately aligned and fixed to ensure positive engagement between the roof sheet and the fixing clips. A 'click' indicate a positive lock. The second and subsequent sheets are laid each time after a new set of fixing clips 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	2000	250
	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.

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Factory, Melaka



KIP Mall, Sepang



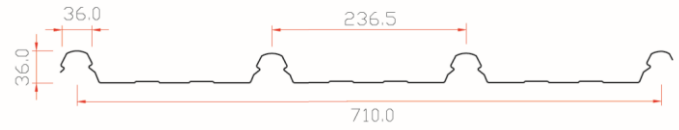
CL 710 CRIMP CURVE



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.

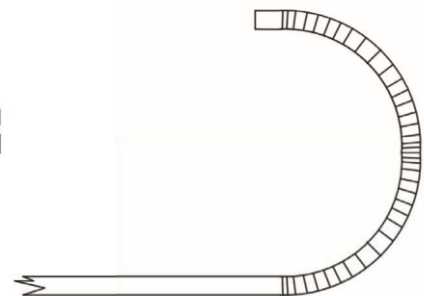
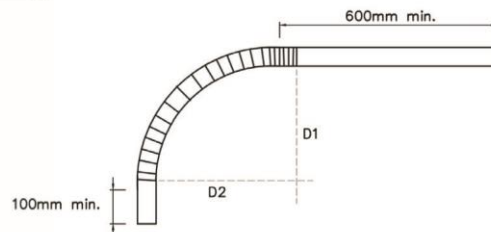
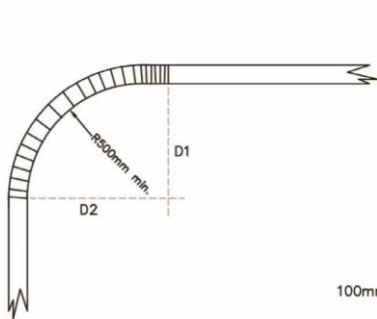
Dimensions

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

Tolerance

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

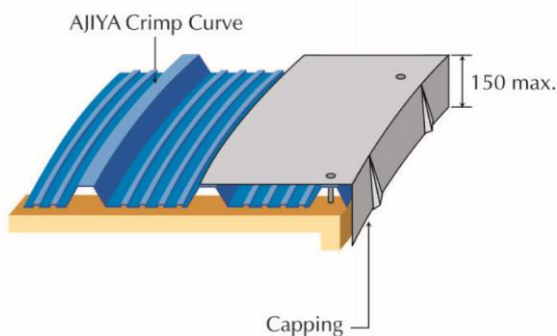
AJIYA CRIMP CURVE SERIES (APPLICABLE FOR CL 710 CRIMP CURVE)



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.

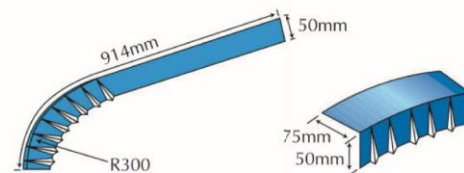
To facilitate side lapping, it is recommended that sheets to be curved to a maximum semi-circle.

A TYPICAL CRIMP CURVED FIXING

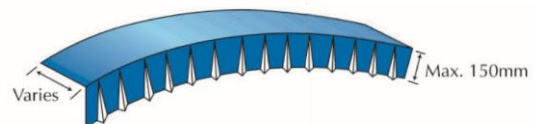


ACCESSORIES

Standard AJIYA Crimp Curve Capping



Custom-made AJIYA Crimp Curve Capping.



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

GENERAL INFORMATION

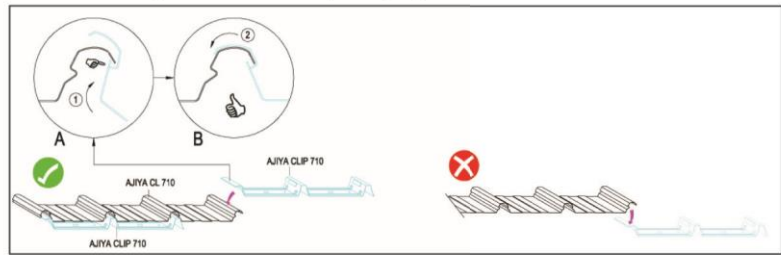
FIXING TO STEEL SUPPORTS

CL 710	Thickness	No Insulation (Directly to supports)	Over Insulation Blanket
	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	

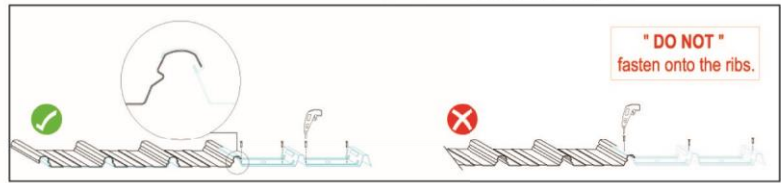
INSTALLATION STEPS

CL 710

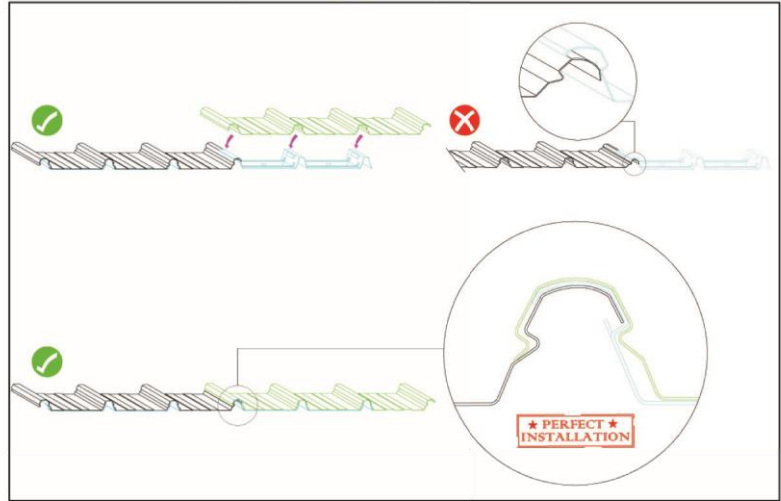
1. Install by overlapping the fixing clip onto the roofing sheet.
Ensure roofing sheet was hook by fixing clip.



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.



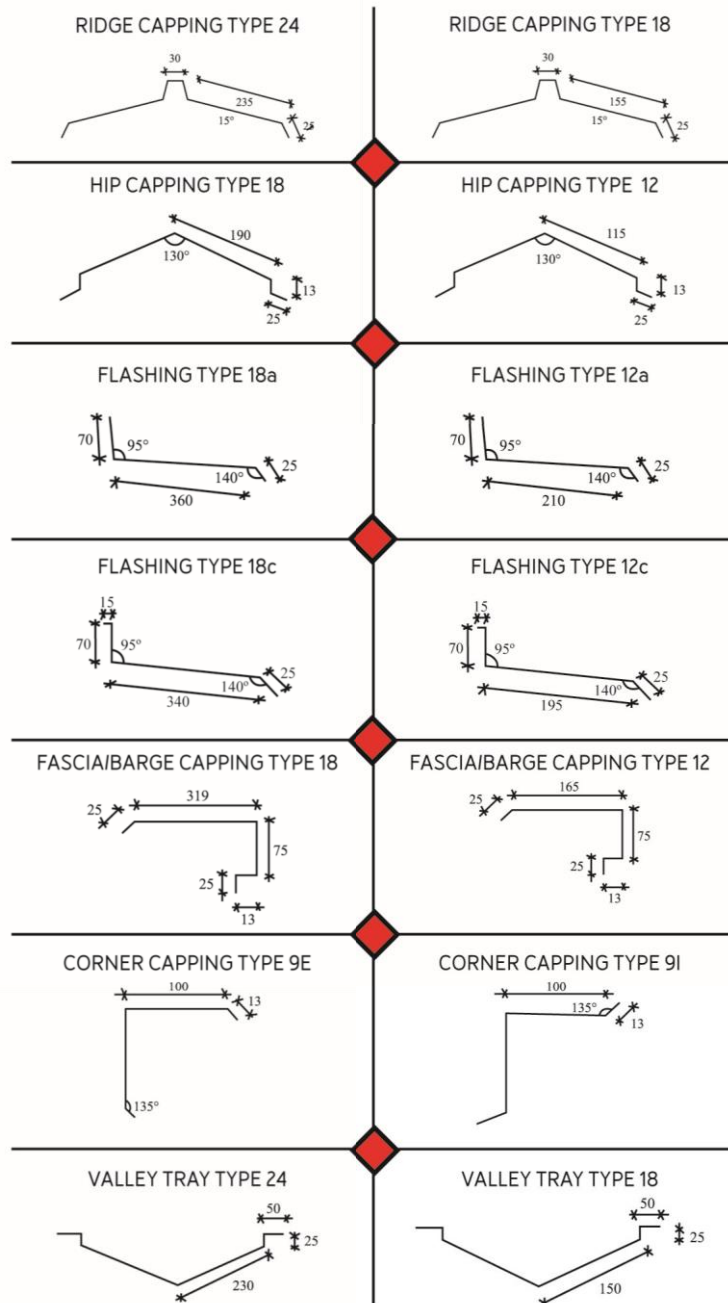
* Remarks : Accurate alignment ensures efficient locking of sheets and clips.

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 Ajiya 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.





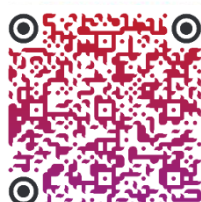
COLOR SELECTION CHART



AJIYA Colour Chart



PrimaMaju Colour Chart



CEP Colour Chart



CCB Colour Chart

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2nd Edition

November 2023

AJIYA®

Roofing Products

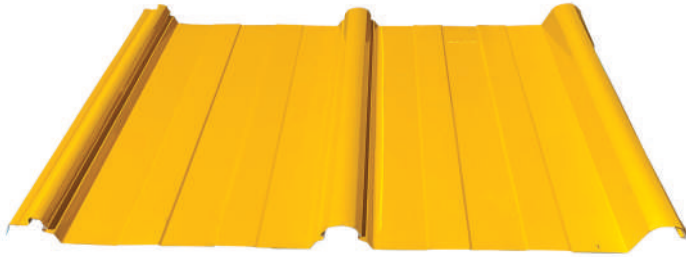
Clip And Locking System



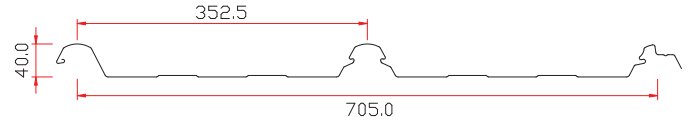
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CLS 705

Concealed Locking System



SECTIONAL PROFILE



- Manufactured from high tensile steel substrate protected with corrosion inhibitive treatment.
- Concealed fixing method with clip and locking system.
- Effective cover width of 705mm and rib height of 40mm.
- Combined with smart fluted spans and a lock-action rib design.
- Roofing and walling profiles with material warranty up to 25 years. *(Warranty terms & conditions apply)*
- For minimum roof pitch of 1°.
- Strongly recommend for application from low pitched roofs to vertical or horizontal ribbed walling for warehouse, shop offices, exhibition halls, and etc.

Dimensions

Rib height : 40mm $\pm$ 1mm

Effective cover : 705mm

Minimum roof pitch : 1°

Tolerance

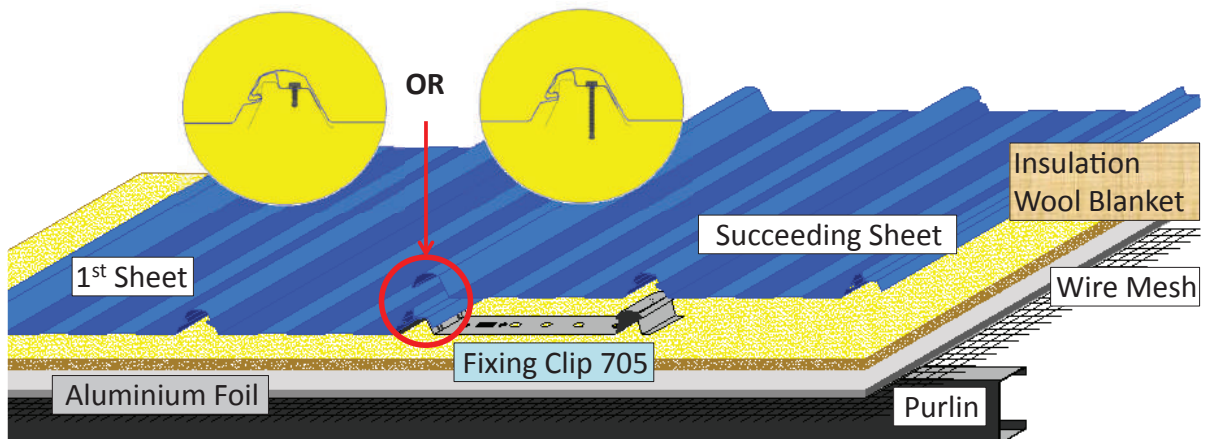
Thickness for material : $\pm$ 0.03mm

Effective Width : $\pm$ 5mm

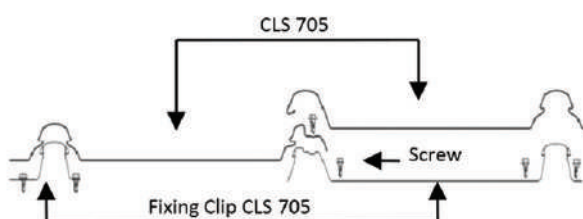
Finishing Length : $\pm$ 5mm

INSTALLATION METHOD

The 1st sheet can be accurately positioned with help of alignment reference by fixing Clip 705 itself. A 'click' sound indicates the positive engagement between the roof sheet and the fixing clips. A self-drilling steel screw shall be used on NEW Conceal Locking System between female-rib and fixing clips. Succeeding sheets are laid each time after new set of fixing clips which are placed firmly.



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



AJIYA CLS 705 WITH FIXING CLIP



AJIYA CLS 705 FIXING CLIP

CLS 705	AVAILABLE THICKNESS ***						
	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	4.27	234	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.42	0.48	3.15	4.47	224	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.48**	0.53	3.58	5.08	197	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.

CLS 705	DISTRIBUTED LOAD CAPACITY - CONTINUOUS SPAN CONDITION ***											
	Thickness (mm) [BMT]	Span	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
	0.40	Serviceability	kN/m ²	2.18	1.68	1.33	1.13	0.93	0.83	0.73	0.63	0.58
		Strength		3.47	2.67	2.11	1.79	1.47	1.31	1.15	0.99	0.91
	0.42	Serviceability		2.28	1.83	1.48	1.23	1.08	0.93	0.78	0.68	0.63
		Strength		3.64	2.92	2.36	1.96	1.72	1.48	1.24	1.08	1.00
	0.48	Serviceability		2.93	2.23	1.93	1.63	1.38	1.18	1.03	0.88	0.78
		Strength		4.68	3.56	3.08	2.60	2.20	1.88	1.64	1.40	1.24

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

- Deflection Limit: SPAN/180.

CLS 705	RECOMMENDED MAXIMUM SPACING OF SUPPORTS ***									
	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	1500	1800	250	1600	1500	1600	250
	0.42	0.48	1600	1600	1900	250	1800	1600	1700	250
	0.48	0.53	2000	1800	2300	300	2300	1800	2000	300

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

CLS 705	RECOMMENDED MAXIMUM ROOF LENGTH (M) ***					
	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

- 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.

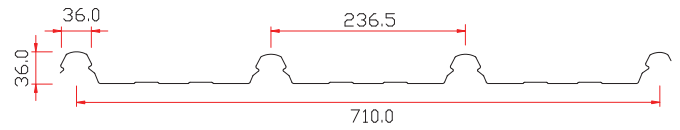


CL 710

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 $\pm$ 1mm

Effective cover : 710mm

Minimum roof pitch : 1°

Tolerance

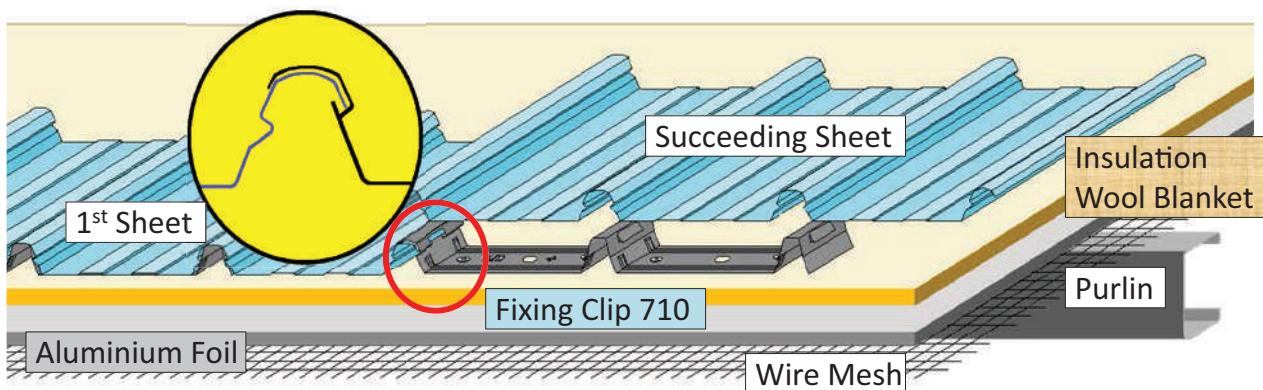
Thickness for material : $\pm$ 0.03mm

Effective Width : $\pm$ 5mm

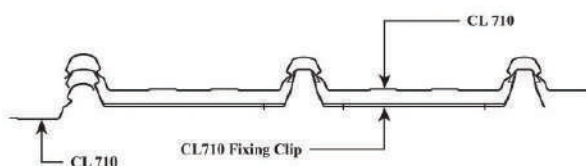
Finishing Length : $\pm$ 5mm

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 male 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	2000	250
	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	40	51	60	75	88
	300	34	43	50	61	75
	400	26	30	37	47	56
	500	20	26	30	38	45

- 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.



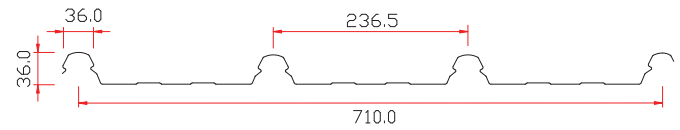
CL 710 CRIMP CURVE



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.

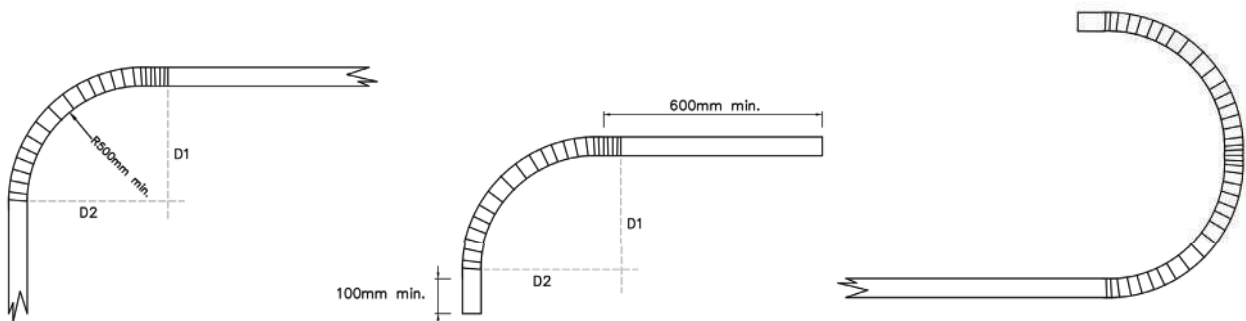
Dimensions

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

Tolerance

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

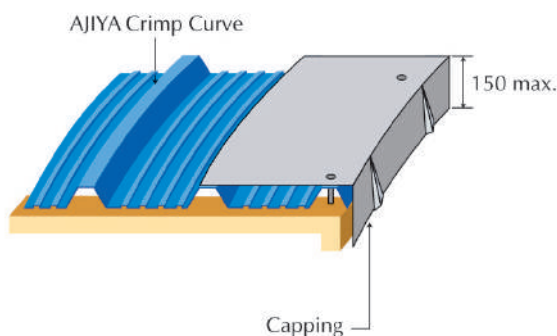
AJIYA CRIMP CURVE SERIES (APPLICABLE FOR CL 710 CRIMP CURVE)



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.

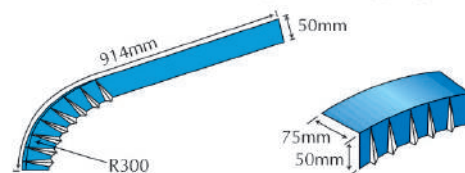
To facilitate side lapping, it is recommended that sheets to be curved to a maximum semi-circle.

A TYPICAL CRIMP CURVED FIXING

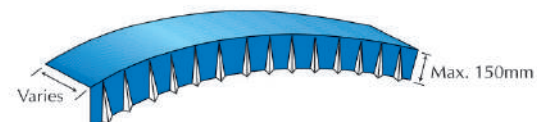


ACCESSORIES

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

CLS 705 & CL 710	Thickness	No Insulation (Directly to supports)	Over Insulation Blanket
	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	

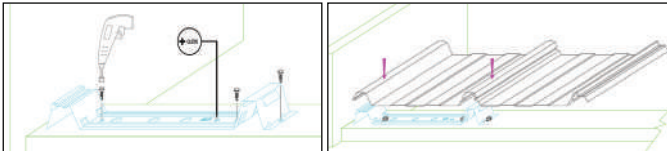
FIXING TO TIMBER SUPPORTS

CLS 705 & CL 710	Type of Timber	No Insulation (Directly to supports)	Over Insulation Blanket
	Hardwood	No. 10 - 12 x 25mm wafer head self-drilling wood screws	Increase to 45mm long screw if required
	Softwood	No. 10 - 12 x 45mm wafer head self-drilling wood screws	

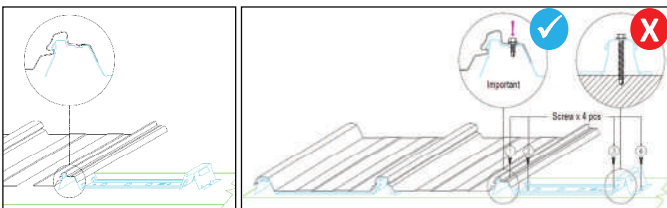
INSTALLATION STEPS

CLS 705

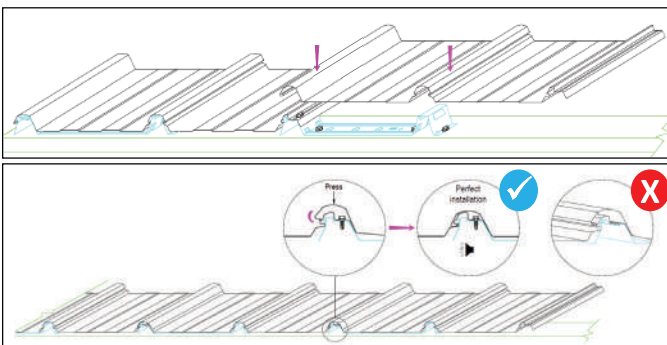
1. 1st piece alignment can easily done by using pre-punch "+" at Fixing Clip CLS 705.



2. Overlap the fixing clip into the roofing sheet. Ensure the fixing clip is placed properly with the roofing sheet. All the screw



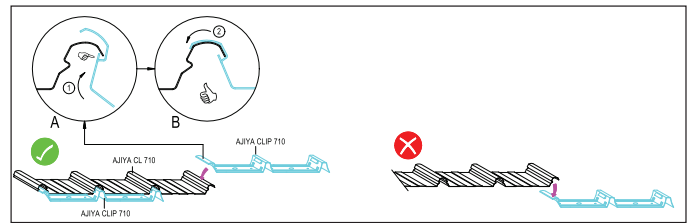
3. Ensure the interlocking ribs be engaged firmly between the both roof sheet. A distinct "CLICK" will be heard as the interlocking ribs fully engage.



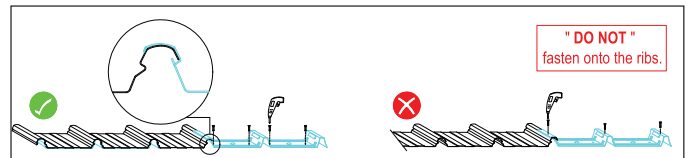
* Remark: Perfect lapping ensure efficient conceal locking system.

CL 710

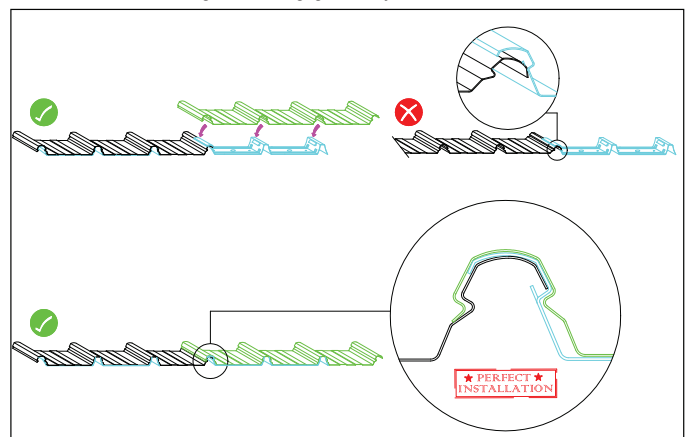
1. Install by overlapping the fixing clip onto the roofing sheet. Ensure roofing sheet was hook by fixing clip.



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

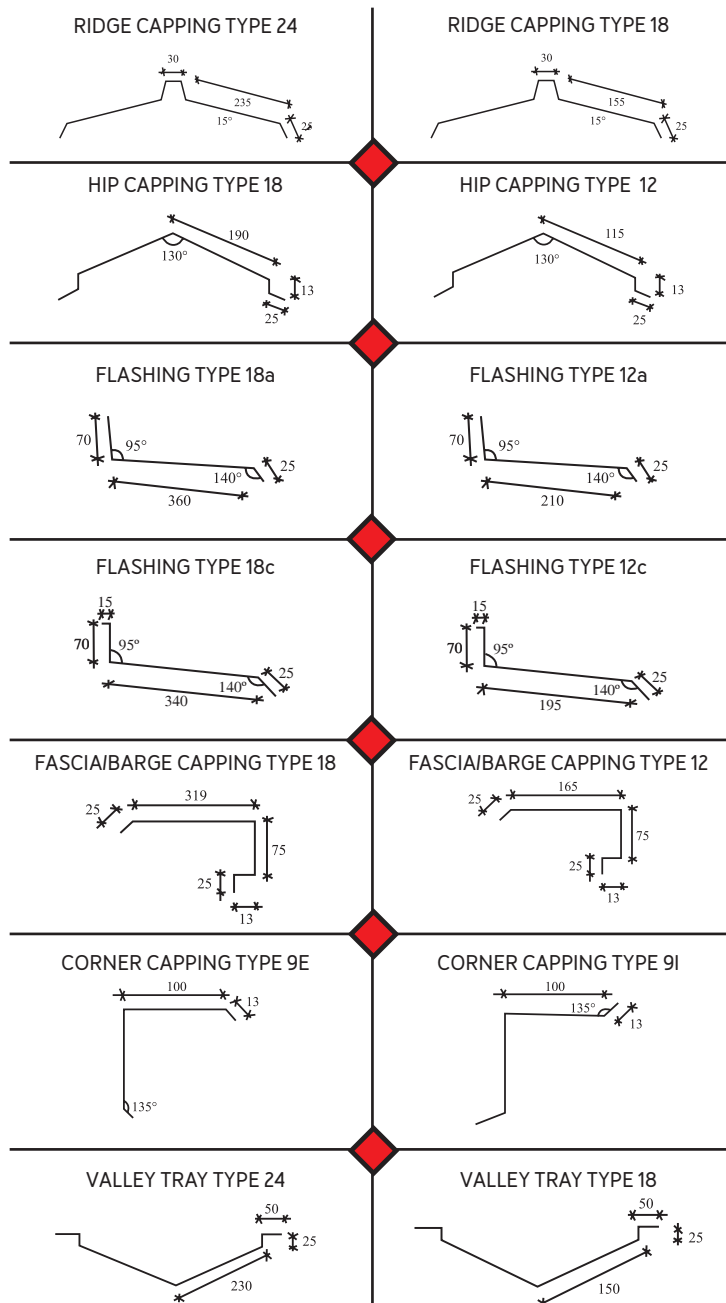


* Remarks : Accurate alignment ensures efficient locking of sheets and clips.

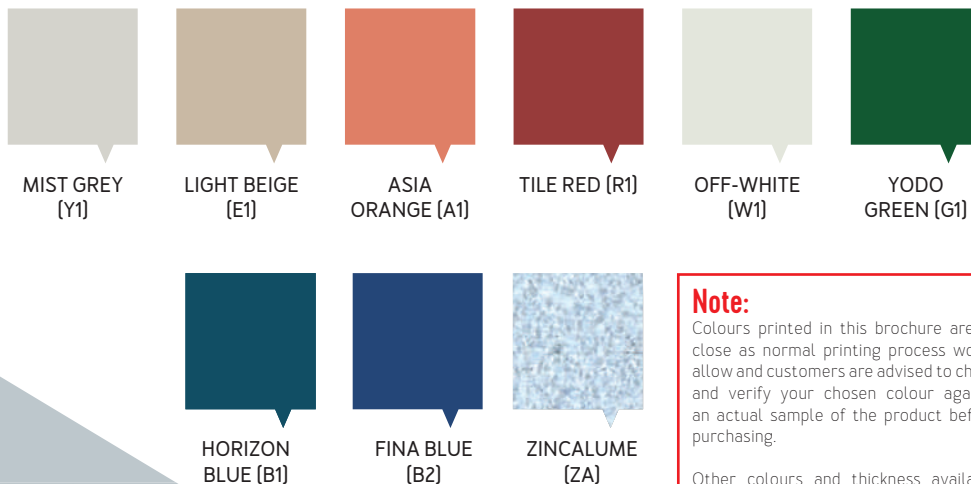
SAMPLE OF SPECIFICATION

To supply **AJIYA [CLS 705 Concealed Locking System, CL 710 Clip 'n' Locking System, CL 710 CRIMP CURVE]** High Tensile Metal Roofing Sheets to be fixed onto Ajiya Fixing Clip [CLS 705, CL 710] 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.



COLOR SELECTION 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

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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. 60, Jalan Industri Temerloh,
Taman Perindustrian Temerloh,
28400 Mentakab, Pahang.
Tel : +609-270 1313
Fax : +609-270 1311

Kuantan Marketing Office & Factory

PT 59860 Jalan Indera Mahkota 14/9,
Bandar Indera Mahkota, 25200
Kuantan, Pahang.
Tel : +609-572 1816
Fax : +609-572 1887

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

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AJIYA®
ROOFING PRODUCTS
Clip And Locking System



A002008 A002078



MS 2500 : 2012
PC003285 PC003386



MS ISO 9001:2015 REG. No. AR 0904

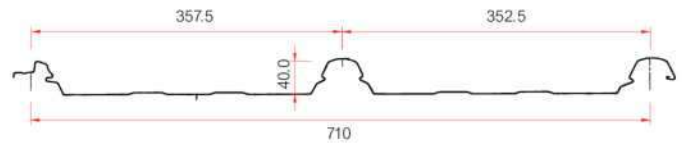


CLS 708

Concealed Locking System



SECTIONAL PROFILE



Dimensions

Rib height : 40mm $\pm$ 1mm

Effective cover : 710mm

Minimum roof pitch : 1°

Tolerance

Thickness for material : $\pm$ 0.03mm

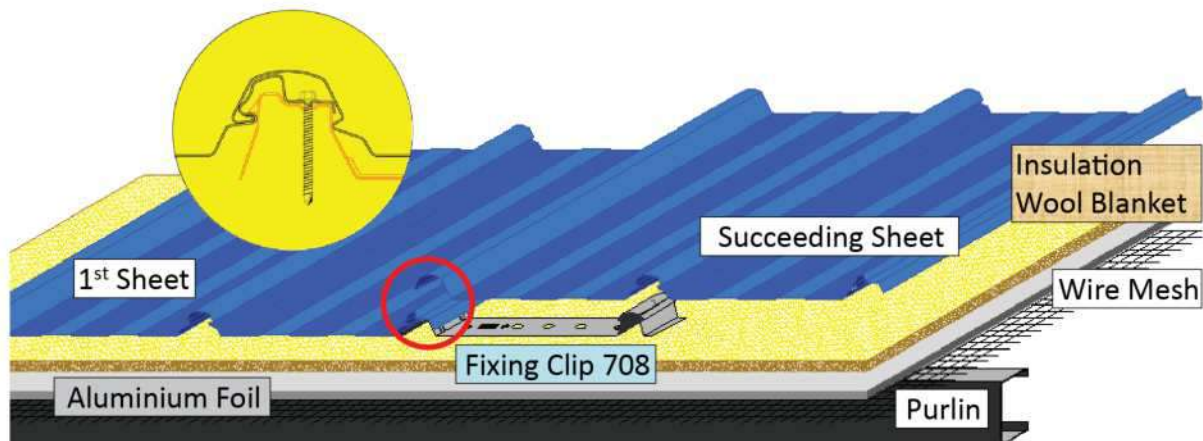
Effective Width : $\pm$ 5mm

Finishing Length : $\pm$ 5mm

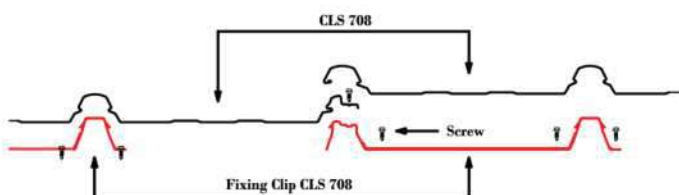
- Manufactured from high tensile steel substrate protected with corrosion inhibitive treatment.
- Concealed fixing method with clip and locking system.
- Effective cover width of 710mm and rib height of 40mm.
- Combined with smart fluted spans and a lock-action rib design.
- Roofing and walling profiles with material warranty up to 25 years. *[Warranty terms & conditions apply]*
- For minimum roof pitch of 1°.
- Strongly recommend for application from low pitched roofs to vertical or horizontal ribbed walling for warehouse, shop offices, exhibition halls, and etc.

INSTALLATION METHOD

The 1st sheet can be accurately positioned with help of alignment reference by fixing Clip 708 itself. A 'click' sound indicates the positive engagement between the roof sheet and the fixing clips. A self-drilling steel screw shall be used on NEW Conceal Locking System between female-rib and fixing clips. Succeeding sheets are laid each time after new set of fixing clips which are placed firmly.



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



AJIYA CLS 708 WITH FIXING CLIP



AJIYA CLS 708 FIXING CLIP

CLS 708	AVAILABLE THICKNESS ***						
	Base Metal Thickness [mm]	Total Coated Thickness [mm]	* Weight per meter [kg/m]	* Weight per sq meter [kg/m²]	* Coverage per ton [m²/MT]	Steel Grade	Minimum Yield Strength [MPa]
	0.40	0.46	3.01	4.27	234	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.42	0.48	3.15	4.47	224	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.48**	0.53	3.58	5.08	197	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.

CLS 708	DISTRIBUTED LOAD CAPACITY - CONTINUOUS SPAN CONDITION ***											
	Thickness (mm) [BMT]	Span	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
	0.40	Serviceability	kN/m ²	2.18	1.68	1.33	1.13	0.93	0.83	0.73	0.63	0.58
		Strength		3.47	2.67	2.11	1.79	1.47	1.31	1.15	0.99	0.91
	0.42	Serviceability		2.28	1.83	1.48	1.23	1.08	0.93	0.78	0.68	0.63
		Strength		3.64	2.92	2.36	1.96	1.72	1.48	1.24	1.08	1.00
	0.48	Serviceability		2.93	2.23	1.93	1.63	1.38	1.18	1.03	0.88	0.78
		Strength		4.68	3.56	3.08	2.60	2.20	1.88	1.64	1.40	1.24

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

- Deflection Limit: SPAN/180.

CLS 708	RECOMMENDED MAXIMUM SPACING OF SUPPORTS ***									
	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	1500	1800	250	1600	1500	1600	250
	0.42	0.48	1600	1600	1900	250	1800	1600	1700	250
	0.48	0.53	2000	1800	2300	300	2300	1800	2000	300

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

CLS 708	RECOMMENDED MAXIMUM ROOF LENGTH (M) ***					
	SLOPE IN DEGREE	1°	2°	3°	5°	7.5°
	RAINFALL (mm/h)					
	250	133	166	194	241	288
	300	111	138	162	201	240
	400	83	103	121	151	180
	500	66	83	97	120	144

- 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

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 $\pm$ 1mm

Effective cover : 710mm

Minimum roof pitch : 1°

Tolerance

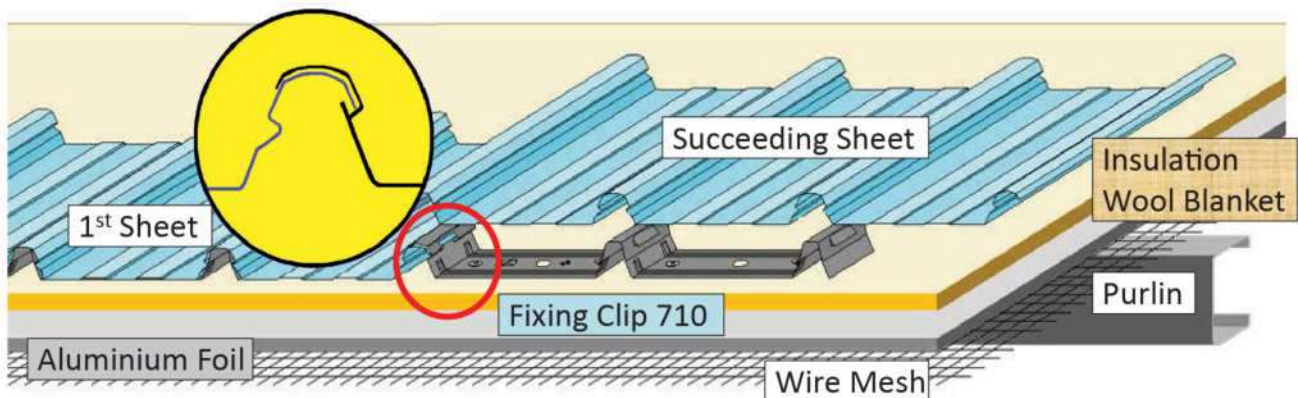
Thickness for material : $\pm$ 0.03mm

Effective Width : $\pm$ 5mm

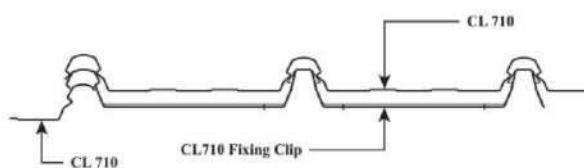
Finishing Length : $\pm$ 5mm

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	2000	250
	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.



Factory, Melaka



KIP Mall, Sepang

CL 710 CRIMP CURVE



Clip 'n' Locking System



- 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.

SECTIONAL PROFILE



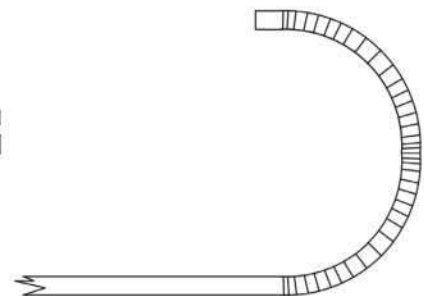
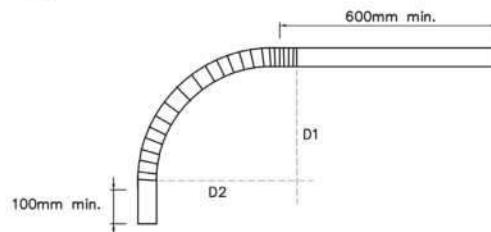
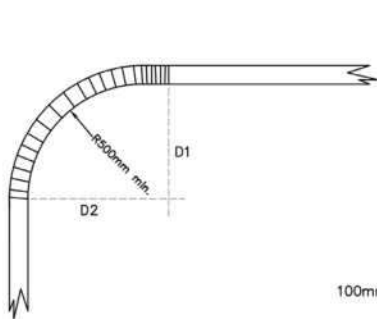
Dimensions

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

Tolerance

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

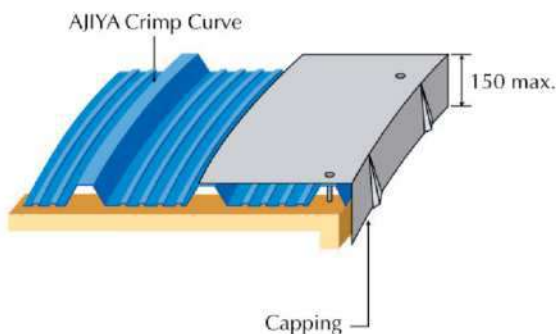
AJIYA CRIMP CURVE SERIES (APPLICABLE FOR CL 710 CRIMP CURVE)



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.

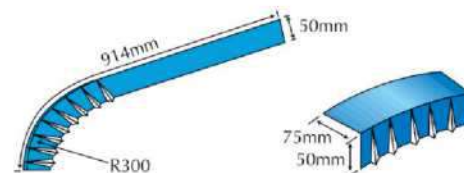
To facilitate side lapping, it is recommended that sheets to be curved to a maximum semi-circle.

A TYPICAL CRIMP CURVED FIXING

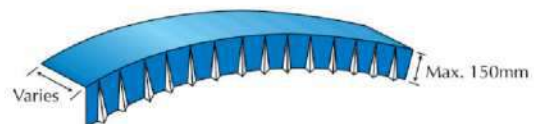


ACCESSORIES

Standard AJIYA Crimp Curve Capping



Custom-made AJIYA Crimp Curve Capping.



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

GENERAL INFORMATION

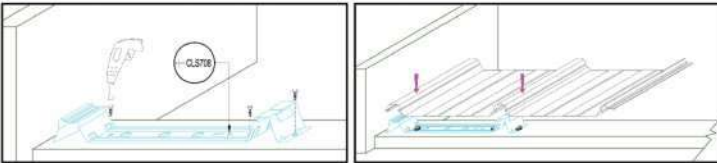
FIXING TO STEEL SUPPORTS

CLS 708 & CL 710	Thickness	No Insulation [Directly to supports]	Over Insulation Blanket
	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	

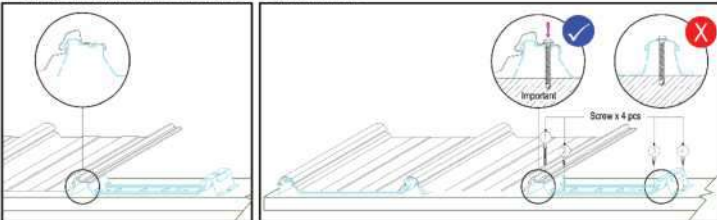
INSTALLATION STEPS

CLS 708

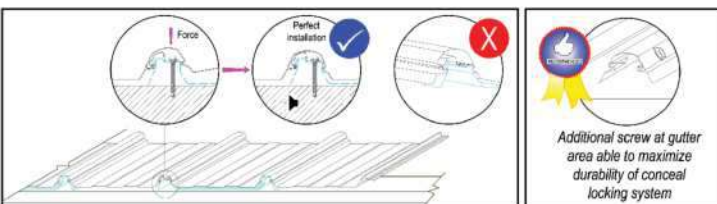
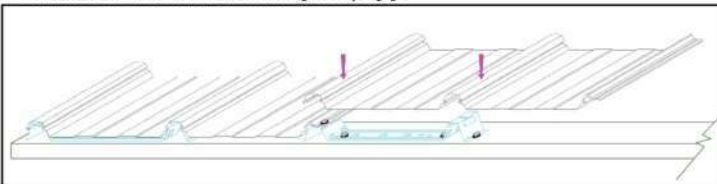
1. 1st piece alignment can easily done by using pre-punch "+" at Fixing Clip CLS 708



2. Overlap the fixing clip into the roofing sheet. Ensure the fixing clip is placed properly with the roofing sheet. All the screw (4pcs) must be fastened at the proper location



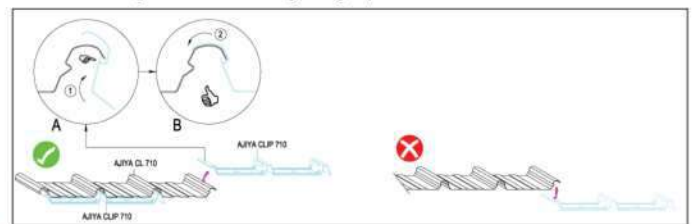
3. Ensure the interlocking ribs be engaged firmly between the both roof sheet. A distinct "CLICK" will be heard as the interlocking ribs fully engage



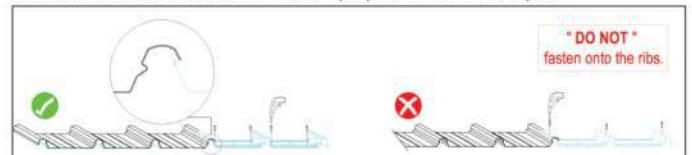
Remark : Perfect lapping ensure efficient conceal locking system

CL 710

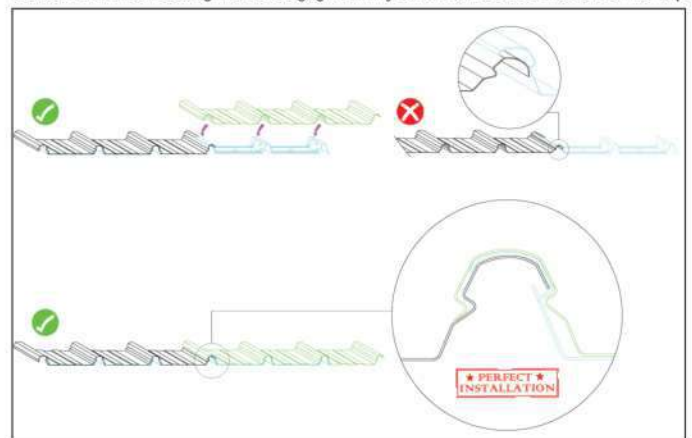
1. Install by overlapping the fixing clip onto the roofing sheet. Ensure roofing sheet was hook by fixing clip.



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.



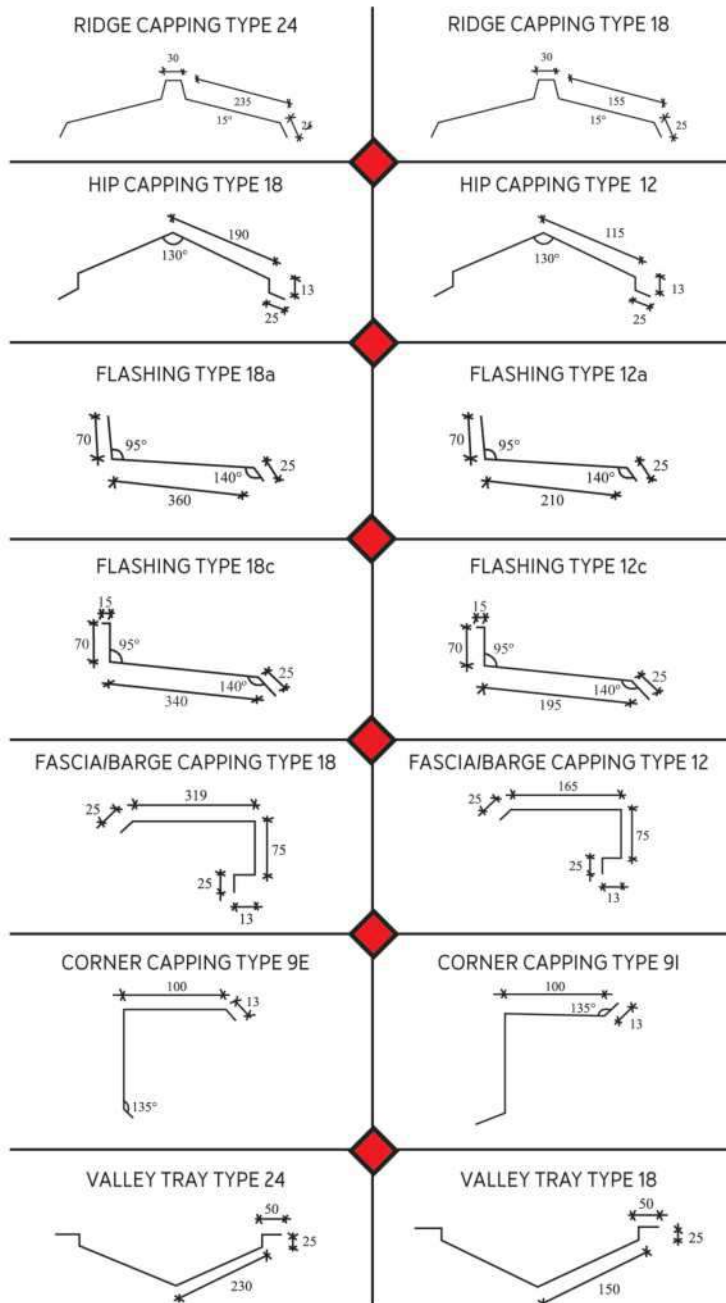
* Remarks : Accurate alignment ensures efficient locking of sheets and clips.

SAMPLE OF SPECIFICATION

To supply AJIYA [CLS 708 Concealed Locking System, CL 710 Clip 'n' Locking System, CL 710 CRIMP CURVE] High Tensile Metal Roofing Sheets to be fixed onto Ajiya Fixing Clip [CLS 708, CL 710] 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:

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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.

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Lot 1306, Kawasan Perindustrian
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16100 Kota Bharu, Kelantan.
Tel : +609-774 5946
Fax : +609-774 6946



www.ajiya.com

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AJIYA®
ROOFING PRODUCTS
Step Profile



MS ISO 9001:2015 REG. No: AR 0954

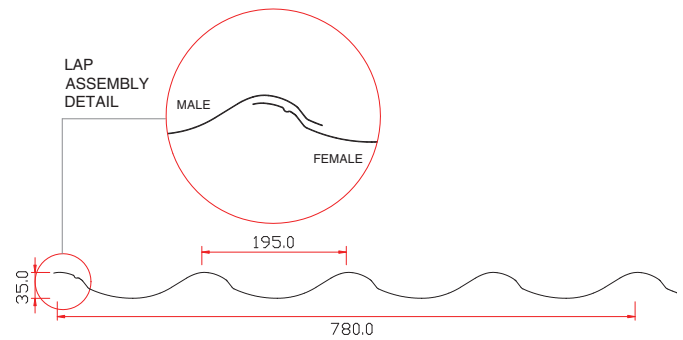
www.ajiya.com

Step Profile Metal Roofing



- Roll-formed from G300 grade of steel step profile metal roofing sheet.
- Roofing profiles with material warranty up to 25 years. *(Warranty terms & conditions apply)*
- With effective cover width of 780mm and rib height of 35mm.
- Recommended minimum roof pitch 8°.
- Euro come with module length of 300mm and 350mm.
- Innovative, durable and cost effective.
- Widely used for all types of residential and commercial project such as bungalows, shop offices, hostels, condominiums, schools, government staff quarters, mosques and etc.
- Prevent burglaries entry, durable and lightweight compare to conventional concrete tiles.
- 80% lighter material compare to normal clay / concrete tiles, it is extremely easy to handle and do not impose unnecessary stress onto the roof structures, furthermore it is unbreakable.

SECTIONAL PROFILE



Dimensions

Rib height : 35mm ± 1mm

Effective cover : 780mm

Minimum roof pitch : 8°

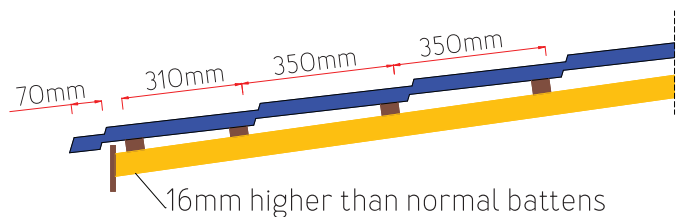
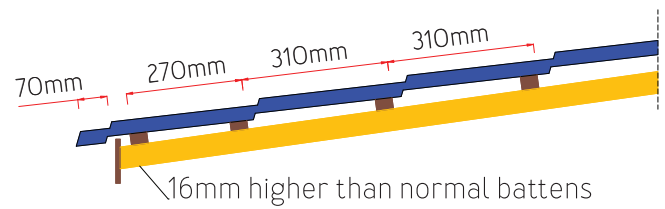
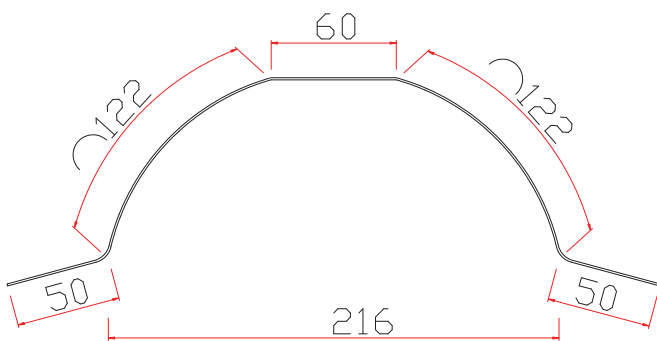
Tolerance

Thickness for material : ±0.03mm

Effective Width : ±3mm

Finishing Length : ±5mm

STANDARD BARREL CAPPING



Single Storey Terrace House, Karak



Klinik Desa, Padang Jawa

EURO	AVAILABLE THICKNESS ***						
	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)
	0.35	0.40	2.65	3.40	295	JIS3312(MS2383) / AS1397 (MS1196)	300
	0.40	0.46	3.01	3.86	259	JIS3312(MS2383) / AS1397 (MS1196)	300
	0.42	0.48	3.15	4.04	248	JIS3312(MS2383) / AS1397 (MS1196)	300
	0.48**	0.53	3.58	4.59	218	JIS3312(MS2383) / AS1397 (MS1196)	300

- 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.

EURO	DISTRIBUTED LOAD CAPACITY - CONTINUOUS SPAN CONDITION ***											
	Thickness (mm) [BMT]	Span	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
	0.35	Serviceability	kN/m ²	0.45	0.38	0.34	0.30	0.28	0.24	0.23	0.21	0.20
		Strength		0.71	0.59	0.53	0.47	0.43	0.37	0.35	0.32	0.31
	0.40	Serviceability		0.59	0.51	0.45	0.39	0.35	0.32	0.30	0.27	0.25
		Strength		0.93	0.81	0.71	0.61	0.55	0.50	0.47	0.42	0.39
	0.42	Serviceability		0.65	0.55	0.49	0.44	0.39	0.36	0.33	0.30	0.28
		Strength		1.03	0.87	0.78	0.70	0.62	0.57	0.52	0.47	0.44
	0.48	Serviceability		0.84	0.74	0.62	0.57	0.49	0.46	0.44	0.40	0.36
		Strength		1.33	1.17	0.97	0.89	0.77	0.72	0.69	0.62	0.56

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

- Deflection Limit: SPAN/180.

EURO	RECOMMENDED MAXIMUM SPACING OF SUPPORTS ***				
	Base Metal Thickness (mm)	Total Coated Thickness (mm)	ROOF		
			End Span (mm)	Internal Span (mm)	Cantilever (mm)
	0.35	0.40	1150	1250	250
	0.40	0.46	1400	1600	250
	0.42	0.48	1700	1900	250
	0.48	0.53	1900	2200	250

*** 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.

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

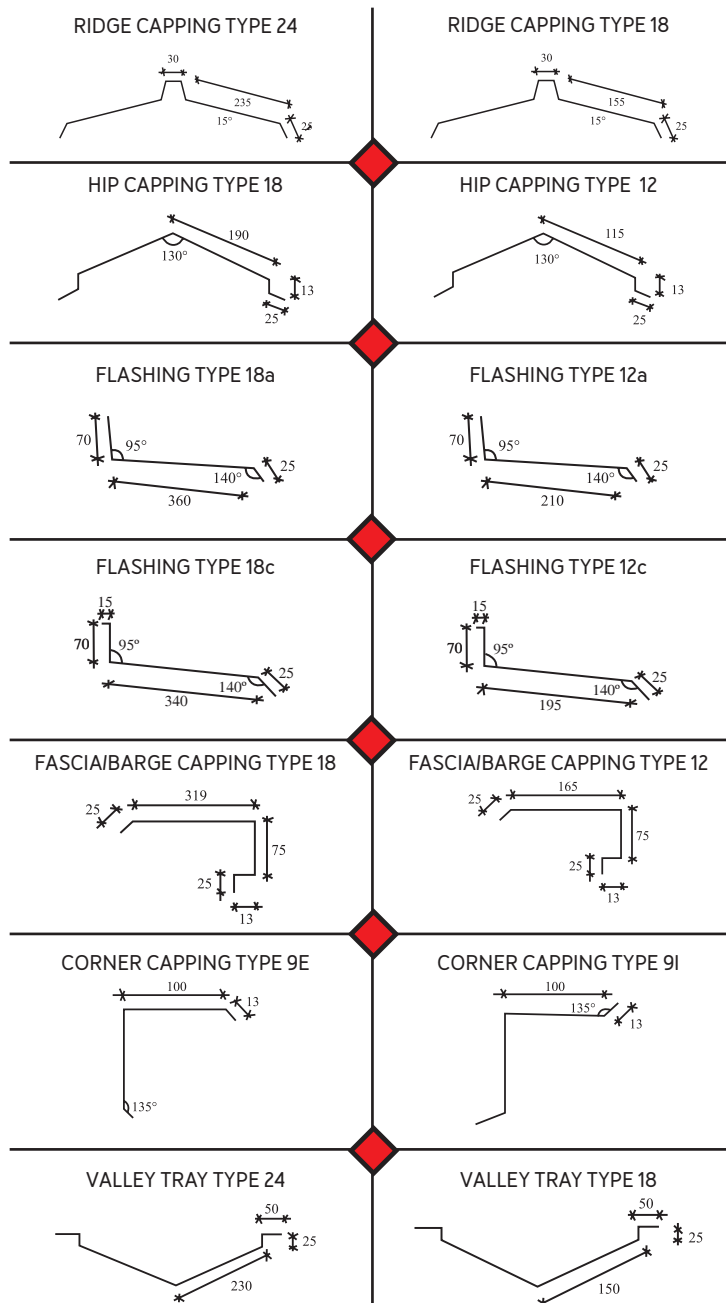
SAMPLE OF SPECIFICATION

To supply **AJIYA EURO STEP PROFILE** High Tensile Metal Roofing Sheets 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.

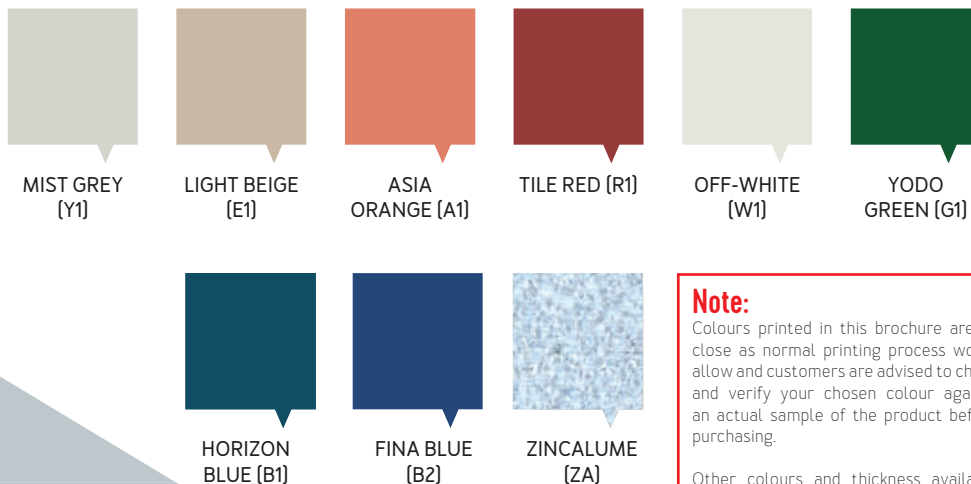
Note: Details in accordance with manufacturer's instructions.



AJIYA STANDARD CAPPING / FLASHING



COLOR SELECTION CHART



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Roofing & Walling Products

Pierce-Fastened Roof System



ENERGY EFFICIENCY

AJIYA 50mm thick polyurethane rigid foam, the U value is $0.40 \text{ W/m}^2\text{K}$. Rigid polyurethane foam combines excellent thermal insulation properties with good mechanical strength and better noise control. Widely used for commercial and industrial projects like shop offices, schools, multi-purpose halls, apartment, and etc. Polyurethane rigid foam is extremely durable and can be installed easily and securely, ensuring cost-effective and efficient construction.

BENEFITS



Low Thermal Conductivity;
 $\leq 0.021 \text{ W/m.K}$



Better internal noise control;
25dB-30dB



Reduce air-conditioning use
& energy cost



Easy and Fast Installation.
No wire mesh



Increased property value



Improved Thermal Performance



Better Serviceability
Recommended for solar panel



Reduces CO_2 emissions



Low roof u-value; $\leq 0.4 \text{ W/m}^2\text{K}$ to meet
UBBL 38a, MS 1525 & MS 2680



Provides better thermal comfort
A cool Attic = A cool home & Energy Saving



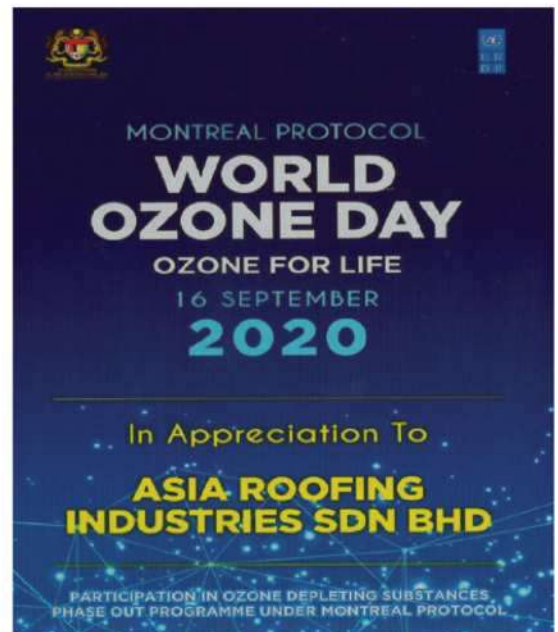
Class O Fire rating to meet BS 476 Part 6
(Fire Propagation) & BS 476 Part 7 (Surface
Spread of Flame)



Increased Durability

WHY IS AJIYA PU'S PRODUCTS GREEN?

- Awarded for HCFC phase out management plan under Montreal protocol by Department of Environment & United Nations Development Programme.
- CFC/HCFC - Free with Zero Ozone Depletion Potential.
- Manufactured with a blowing agent that has low global warming potential.
- Non irritant, non toxic and non allergic insulation core, which means no compromise of indoor environment quality.
- Compatible with most green insulation.
- Core roof material can be re-useable if removed with care.
- No water used in manufacturing process.
- Developed and Manufactured in Malaysia for tropical climates.



SUSTAINABLE DEVELOPEMENT GOAL



MEGA RIB 30 PU PVC / METAL



Industrial Profile Metal Roofing

MEGA RIB 30 PU PVC



- Mega Rib 30 PU PVC made up of 3 layers of prepainted steel, rigid Polyurethane (PU) and the PVC lamination.
- It is a complete insulation system built into a single product which can effectively reduce heat and noise.

Detail of PU PVC ***

Outer Skin	Mega Rib 30	0.34mm - 0.55mm TCT
Insulation	Polyurethane (PU)	20mm - 25mm *
	Density	35kg/m ³ ±3%
Type of Insulation	Bonded Rigid Polyurethane	
Inner Skin	PVC	White & Silver

*PU thickness = ±2.0mm.

MEGA RIB 30 PU METAL

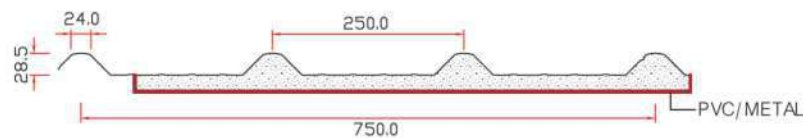


- Mega Rib 30 PU METAL made up of 3 layers of prepainted steel, rigid Polyurethane (PU) and steel sheet firmly laminated to the foam layer.
- It is a complete insulation system built into a single product which can effectively reduce heat and noise.

Detail of PU Metal ***

Outer Skin	Mega Rib 30	0.34mm - 0.55mm TCT
Insulation	Polyurethane (PU)	20mm - 50mm *
	Density	35kg/m ³ ±3%
Type of Insulation	Bonded Rigid Polyurethane	
Inner Skin	Flat Metal Sheet	Min. 0.20mm TCT
Surface Spread of Flame	Class 'O' (BOMBA)	
Sound Reduction Index (dB)	25dB - 30dB	
Fire Propagation Index (I)	0.4	
Thermal Resistance (R)	0.95 - 2.38m ² K/W	

SECTIONAL PROFILE



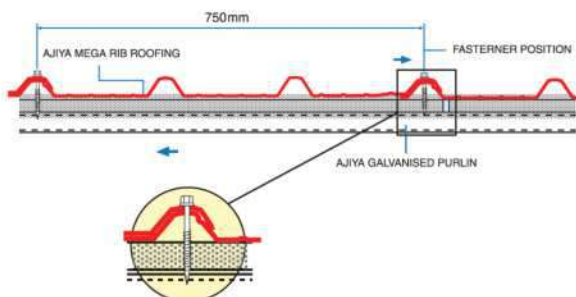
Dimensions

Rib height : 28.5mm ±1mm
Effective cover : 750mm
Minimum roof pitch : 2°

Tolerance

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

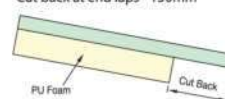
CREST FIXING



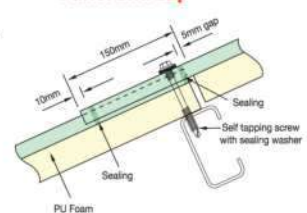
■ Panel End Cut Back

For installation of insulated metal roof, the following measures are recommended.

- Cut back at eaves - 100mm
- Cut back at end laps - 150mm



■ Panel End Lap



AJIYA PU END CAP



AVAILABLE THICKNESS ***

	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)
MEGA RIB 30	0.35	0.40	2.65	3.53	283	JIS3312[MS2383] / AS1397[MS1196]	550
	0.40	0.46	3.01	4.01	249	JIS3312[MS2383] / AS1397[MS1196]	550
	0.42	0.48	3.15	4.20	238	JIS3312[MS2383] / AS1397[MS1196]	550
	0.48**	0.53	3.58	4.77	209	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 ***

Thickness [mm] (BMT)		SPAN	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
MEGA RIB 30	0.35	Serviceability	kN/m ²	2.03	1.63	1.33	1.08	0.93	0.83	0.73	0.63	0.53
		Strength		3.23	2.59	2.11	1.71	1.47	1.31	1.15	0.99	0.83
	0.40	Serviceability		2.58	2.13	1.83	1.53	1.28	1.03	0.93	0.83	0.73
		Strength		4.11	3.39	2.91	2.43	2.03	1.63	1.47	1.31	1.15
	0.42	Serviceability		2.93	2.43	1.98	1.63	1.38	1.13	1.03	0.88	0.78
		Strength		4.68	3.88	3.16	2.60	2.20	1.80	1.64	1.40	1.24
	0.48	Serviceability		3.53	3.13	2.53	2.08	1.73	1.43	1.23	1.08	0.98
		Strength		5.64	5.00	4.04	3.32	2.76	2.28	1.96	1.72	1.56

- 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 ***

	Base Metal Thickness (mm)	Total Coated Thickness (mm)	ROOF			WALL		
			End Span (mm)	Internal Span (mm)	Cantilever (mm)	End Span (mm)	Internal Span (mm)	Cantilever (mm)
MEGA RIB 30	0.35	0.40	1200	1300	150	1300	1500	200
	0.40	0.46	1300	1400	150	1400	2100	200
	0.42	0.48	1500	1600	150	1550	2200	200
	0.48	0.53	1900	2000	150	1800	2500	200

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

SLOPE IN DEGREE	MEGA RIB 30	2°	5°	7°	10°	12°
RAINFALL (mm/h)						
250		97	141	164	193	124
300		80	117	136	161	103
350		69	100	117	138	88
400		60	88	102	120	77

- 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.

UTM, Skudai Johor



IKTBN Dusun Tua, Selangor



AP RIB PU PVC / METAL



Industrial Profile Metal Roofing

AP RIB PU PVC



- AP RIB PU PVC made up of 3 layers of prepainted steel, rigid Polyurethane (PU) and the PVC lamination.
- It is a complete insulation system built into a single product which can effectively reduce heat and noise.

Detail of PU PVC ***

Outer Skin	AP RIB	0.34mm - 0.55mm TCT
Insulation	Polyurethane (PU)	20mm/25mm *
	Density	35kg/m ³ ±3%
Type of Insulation		Bonded Rigid Polyurethane
Inner Skin	PVC	White & Silver

*PU thickness = ±2.0mm.

AP RIB PU METAL

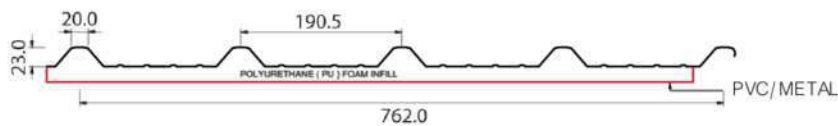


- AP RIB PU METAL made up of 3 layers of prepainted steel, rigid Polyurethane (PU) and steel sheet firmly laminated to the foam layer.
- It is a complete insulation system built into a single product which can effectively reduce heat and noise.

Detail of PU Metal ***

Outer Skin	AP RIB	0.34mm - 0.55mm TCT
Insulation	Polyurethane (PU)	20mm/25mm/50mm *
	Density	35kg/m ³ ±3%
Type of Insulation		Bonded Rigid Polyurethane
Inner Skin	Flat Metal Sheet	Min. 0.20mm TCT
Surface Spread of Flame		Class 'O'
Sound Reduction Index [dB]		25dB- 30dB
Fire Propagation Index [I]		0.4
Thermal Resistance [R]		0.95 - 2.38m ² K/W

SECTIONAL PROFILE



Dimensions

Rib height : 23mm ±1mm

Effective cover : 762mm

Minimum roof pitch : 3°

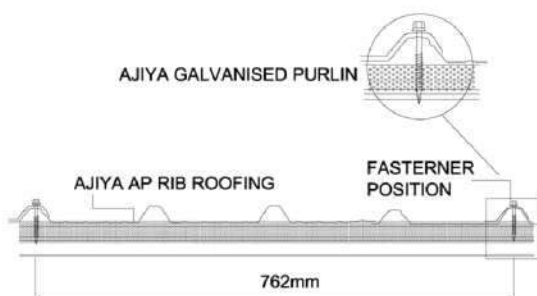
Tolerance

Thickness for material : ±0.03mm

Effective Width : ±5mm

Finishing Length : ±5mm

CREST FIXING



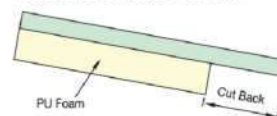
AJIYA PU END CAP



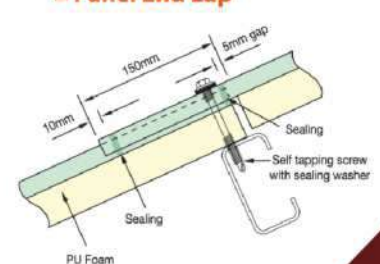
■ Panel End Cut Back

For installation of insulated metal roof, the following measures are recommended.

- Cut back at eaves - 100mm
- Cut back at end laps - 150mm



■ Panel End Lap



AP RIB	AVAILABLE THICKNESS ***						
	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)
	0.35	0.40	2.65	3.48	287	JIS3312(MS2383) / AS1397 (MS1196)	550
	0.40	0.46	3.01	3.95	253	JIS3312(MS2383) / AS1397 (MS1196)	550
	0.42	0.48	3.15	4.13	241	JIS3312(MS2383) / AS1397 (MS1196)	550
	0.48**	0.53	3.58	4.70	212	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.

AP RIB	DISTRIBUTED LOAD CAPACITY – CONTINUOUS SPAN CONDITION ***											
	Thickness (mm) [BMT]	SPAN	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
	0.35	Serviceability	kN/m ²	2.52	1.82	1.52	1.22	1.02	0.87	0.72	0.67	0.57
		Strength		4.03	2.91	2.43	1.95	1.63	1.39	1.15	1.07	0.91
	0.40	Serviceability		2.57	1.98	1.73	1.23	1.03	0.93	0.78	0.58	0.33
		Strength		4.10	3.15	2.75	1.95	1.63	1.47	1.23	0.91	0.51
	0.42	Serviceability		2.63	2.13	1.76	1.32	1.13	1.03	0.83	0.63	0.48
		Strength		4.20	3.40	2.81	2.10	1.80	1.64	1.32	1.00	0.76
	0.48	Serviceability		2.72	2.23	1.78	1.38	1.23	1.18	0.93	0.78	0.63
		Strength		4.34	3.56	2.84	2.20	1.96	1.88	1.48	1.24	1.00

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

- Deflection Limit: SPAN/180.

AP RIB	RECOMMENDED MAXIMUM SPACING OF SUPPORTS ***					
	Base Metal Thickness (mm)	Total Coated Thickness (mm)	ROOF		WALL	
			End Span (mm)	Internal Span (mm)	End Span (mm)	Internal Span (mm)
	0.35	0.40	900	1000	1200	1500
	0.40	0.46	1200	1500	1700	2000
	0.42	0.48	1200	1500	1700	2000
	0.48	0.53	1300	1700	2000	2300

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

AP RIB	RECOMMENDED MAXIMUM ROOF LENGTH [M] ***			
	SLOPE IN DEGREE	3°	5°	7°
	RAINFALL [mm/h]			
	150	126	157	183
	200	95	118	137
	250	76	94	109
	300	63	78	91

- 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.

UTHM, Johor



CONCEALED RIB PU PVC / METAL



Industrial Profile Metal Roofing

CONCEALED RIB PU PVC



- Concealed Rib PU PVC made up of 3 layers of prepainted steel, rigid Polyurethane (PU) and the PVC lamination.
- It is a complete insulation system built into a single product which can effectively reduce heat and noise.

Detail of PU PVC ***		
Outer Skin	CONCEALED RIB	0.34mm - 0.55mm TCT
Insulation	Polyurethane (PU)	20mm/25mm *
	Density	35kg/m ³ ±3%
Type of Insulation		Bonded Rigid Polyurethane
Inner Skin	PVC	White & Silver

*PU thickness = ±2.0mm.

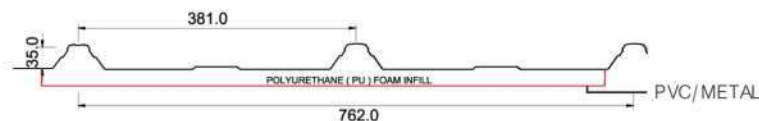
CONCEALED RIB PU METAL



- Concealed Rib PU METAL made up of 3 layers of prepainted steel, rigid Polyurethane (PU) and steel sheet firmly laminated to the foam layer.
- It is a complete insulation system built into a single product which can effectively reduce heat and noise.

Detail of PU Metal ***		
Outer Skin	CONCEALED RIB	0.34mm - 0.55mm TCT
Insulation	Polyurethane (PU)	20mm/25mm/50mm *
	Density	35kg/m ³ ±3%
Type of Insulation		Bonded Rigid Polyurethane
Inner Skin	Flat Metal Sheet	Min. 0.20mm TCT
Surface Spread of Flame		Class 'O'
Sound Reduction Index [dB]		25dB - 30dB
Fire Propagation Index [I]		0.4
Thermal Resistance [R]		0.95 - 2.38m ² K/W

SECTIONAL PROFILE



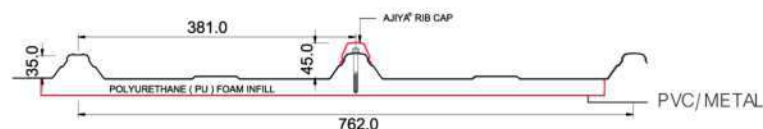
Dimensions

Rib height : 35mm ±1mm
Effective cover : 762mm
Minimum roof pitch : 2°

Tolerance

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

WITH RIB CAP



Dimensions

Rib height : 45mm ±1mm
Effective cover : 762mm
Minimum roof pitch : 2°

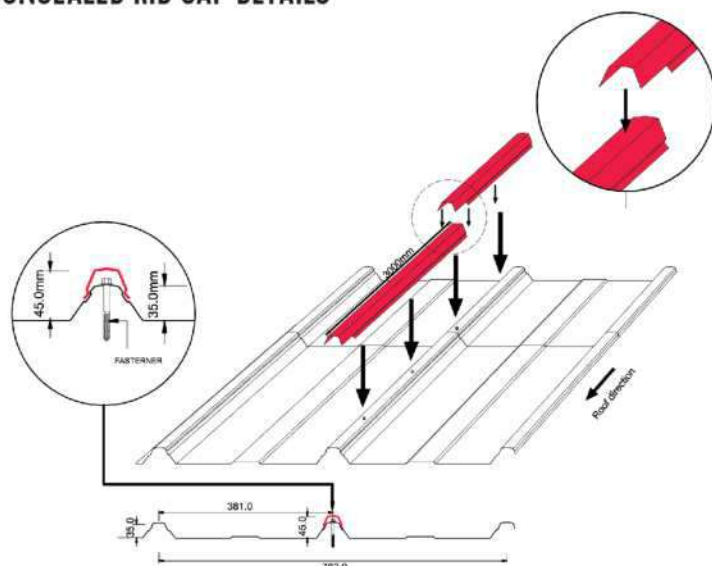
Tolerance

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

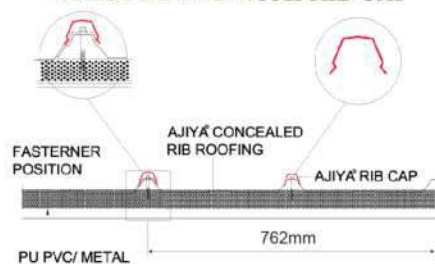
AJIYA PU END CAP



CONCEALED RIB CAP DETAILS



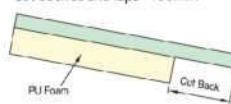
CREST FIXING WITH RIB CAP



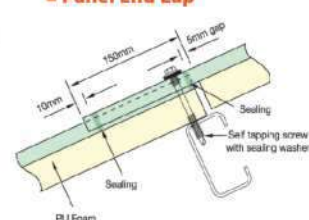
■ Panel End Cut Back

For installation of insulated metal roof, the following measures are recommended.

- Cut back at eaves - 100mm
- Cut back at end laps - 150mm



■ Panel End Lap



Concealed Rib

AVAILABLE THICKNESS ***

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)
0.35	0.40	2.65	3.48	287	JIS3312[MS2383] / AS1397 [MS1196]	550
0.40	0.46	3.01	3.95	253	JIS3312[MS2383] / AS1397 [MS1196]	550
0.42	0.48	3.15	4.13	241	JIS3312[MS2383] / AS1397 [MS1196]	550
0.48**	0.53	3.58	4.70	212	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.

Concealed Rib

DISTRIBUTED LOAD CAPACITY – CONTINUOUS SPAN CONDITION ***

Thickness [mm] [BMT]	SPAN	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
0.35	Serviceability	kN/m ²	2.50	1.98	1.61	1.34	1.13	0.97	0.84	0.74	0.65
	Strength		4.00	3.17	2.57	2.14	1.81	1.55	1.34	1.18	1.04
0.40	Serviceability		3.08	2.45	1.90	1.60	1.30	1.15	1.00	0.90	0.75
	Strength		4.91	3.91	3.03	2.55	2.07	1.83	1.59	1.43	1.19
0.42	Serviceability		3.33	2.63	2.23	1.78	1.48	1.28	1.08	0.98	0.83
	Strength		5.32	4.20	3.56	2.84	2.36	2.04	1.72	1.56	1.32
0.48	Serviceability		4.03	3.23	2.63	2.13	1.83	1.58	1.33	1.18	1.03
	Strength		6.44	5.16	4.20	3.40	2.92	2.52	2.12	1.88	1.64

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

- Deflection Limit: SPAN/180.

Concealed Rib

RECOMMENDED MAXIMUM SPACING OF SUPPORTS ***

Base Metal Thickness (mm)	Total Coated Thickness (mm)	ROOF		WALL	
		End Span (mm)	Internal Span (mm)	End Span (mm)	Internal Span (mm)
0.35	0.40	900	1000	1200	1500
0.40	0.46	1200	1500	1700	2000
0.42	0.48	1200	1500	1700	2000
0.48	0.53	1300	1700	2000	2300

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

Concealed Rib

RECOMMENDED MAXIMUM ROOF LENGTH [M] ***

SLOPE IN DEGREE	RAINFALL (mm/h)	2°	3°	5°	7.5°
250		158	185	230	275
300		131	154	192	229
400		98	116	144	171
500		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.

MGBC
MALAYSIA GREEN BUILDING COUNCIL



Higher Compression Strength



Fire Safe
Insulation

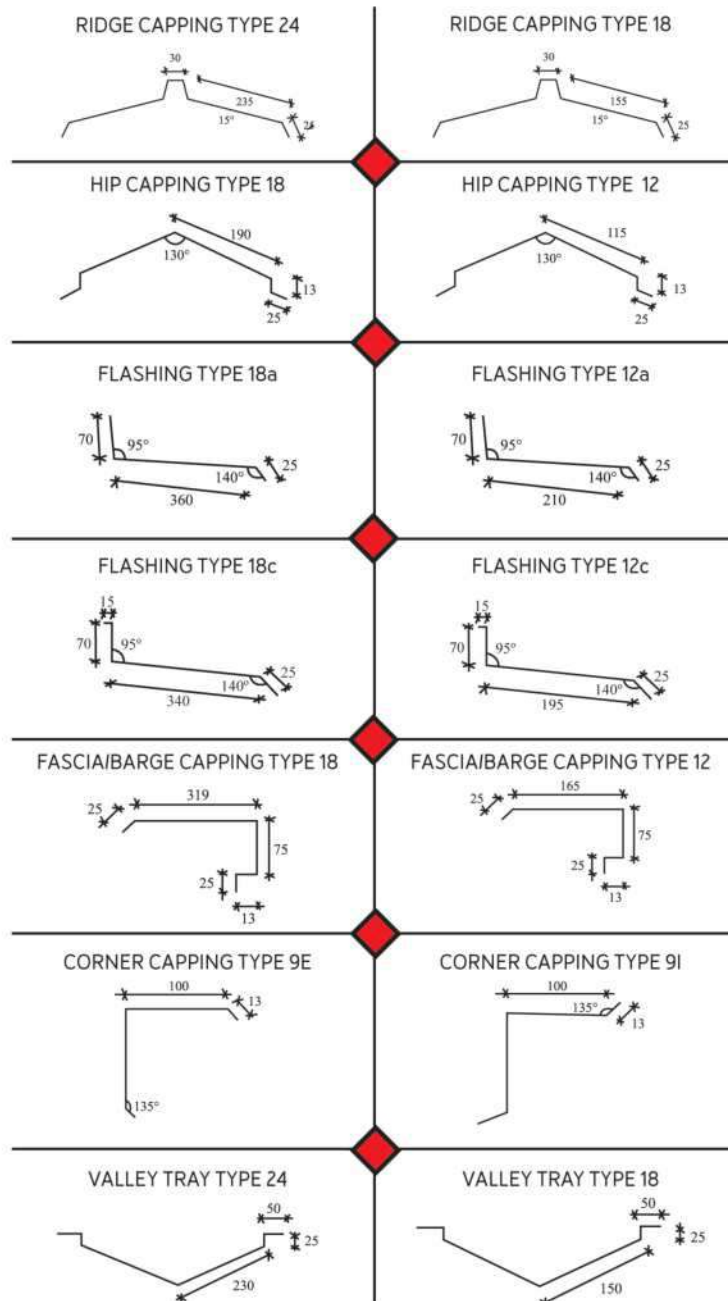


Acoustic Insulation



Rainfall

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.
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Related Companies

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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

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ROOFING & WALLING PRODUCTS

Pierce-Fastened Roof System



A002058 A002878



MS 2500 : 2012
PC003288 PC003388



MS ISO 9001:2015 REG. No: AR 0954



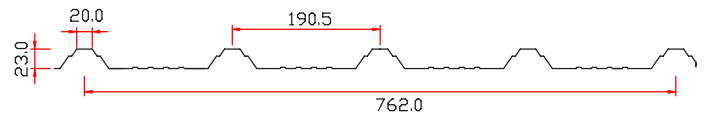
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AP RIB

Industrial Profile Metal Roofing



SECTIONAL PROFILE



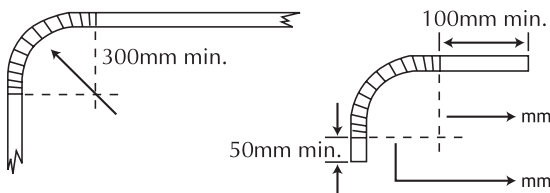
Dimensions

Rib height	: 23mm ±1mm	Thickness for material	: ±0.03mm
Effective cover	: 762mm	Effective Width	: ±5mm
Minimum roof pitch	: 3°	Finishing Length	: ±5mm

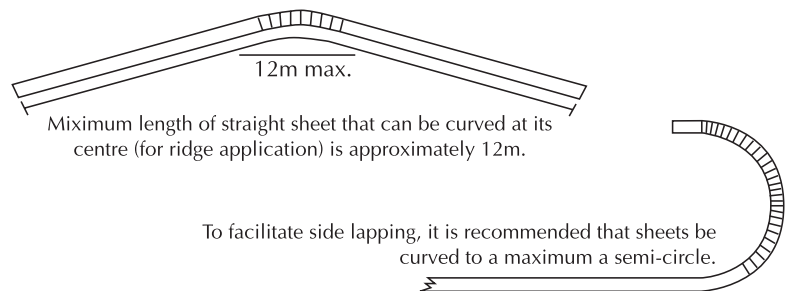
Tolerance

- Roll - forming long length high tensile metal decking.
- 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)*
- With effective cover width of 762mm and rib height of 23mm.
- Recommended minimum roof pitch is 3°.
- Innovative, durable and cost effective.
- Widely used for commercial and industrial projects such as factories, condominium, cabin, hoarding, and etc.

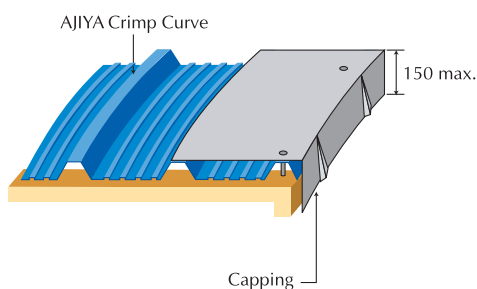
AJIYA CRIMP CURVE SERIES (APPLICABLE FOR AP RIB, MEGA RIB 30/35)



Customer to provide crimp curve height & width to us for crimping production.

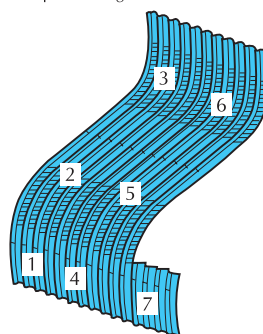


A TYPICAL CRIMP CURVED FIXING



SHEET LAYING

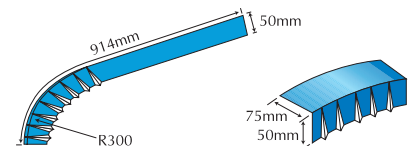
Where two or more sheets are used to cover the roof, lay each run of sheet from bottom to top before proceeding to the next run.



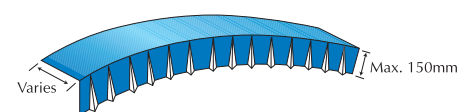
Numbers show sheet laying sequence

ACCESSORIES

Standard AJIYA Crimp Curve Capping



Custom-made AJIYA Crimp Curve Capping.



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

AP RIB	AVAILABLE THICKNESS ***						
	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)
	0.35	0.40	2.65	3.48	287	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.40	0.46	3.01	3.95	253	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.42	0.48	3.15	4.13	241	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.48**	0.53	3.58	4.70	212	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.

AP RIB	DISTRIBUTED LOAD CAPACITY – CONTINUOUS SPAN CONDITION ***											
	Thickness (mm) [BMT]	SPAN	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
	0.35	Serviceability	kN/m ²	2.52	1.82	1.52	1.22	1.02	0.87	0.72	0.67	0.57
		Strength		4.03	2.91	2.43	1.95	1.63	1.39	1.15	1.07	0.91
	0.40	Serviceability		2.57	1.98	1.73	1.23	1.03	0.93	0.78	0.58	0.33
		Strength		4.10	3.15	2.75	1.95	1.63	1.47	1.23	0.91	0.51
	0.42	Serviceability		2.63	2.13	1.76	1.32	1.13	1.03	0.83	0.63	0.48
		Strength		4.20	3.40	2.81	2.10	1.80	1.64	1.32	1.00	0.76
	0.48	Serviceability		2.72	2.23	1.78	1.38	1.23	1.18	0.93	0.78	0.63
		Strength		4.34	3.56	2.84	2.20	1.96	1.88	1.48	1.24	1.00

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

- Deflection Limit: SPAN/180.

AP RIB	RECOMMENDED MAXIMUM SPACING OF SUPPORTS ***					
	Base Metal Thickness (mm)	Total Coated Thickness (mm)	ROOF		WALL	
			End Span (mm)	Internal Span (mm)	End Span (mm)	Internal Span (mm)
	0.35	0.40	900	1000	1200	1500
	0.40	0.46	1200	1500	1700	2000
	0.42	0.48	1200	1500	1700	2000
	0.48	0.53	1300	1700	2000	2300

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

AP RIB	RECOMMENDED MAXIMUM ROOF LENGTH [M] ***			
	SLOPE IN DEGREE	3°	5°	7°
	RAINFALL (mm/h)			
	150	50	60	80
	200	39	50	60
	250	30	40	48
	300	26	30	40

- 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.



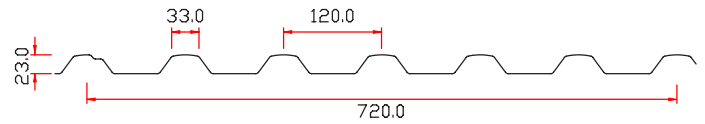
Semi Detached Factory, Kapar (AP RIB)



I-City Snow House, Shah Alam (AP RIB CRIMP CURVE)



SECTIONAL PROFILE



Dimensions

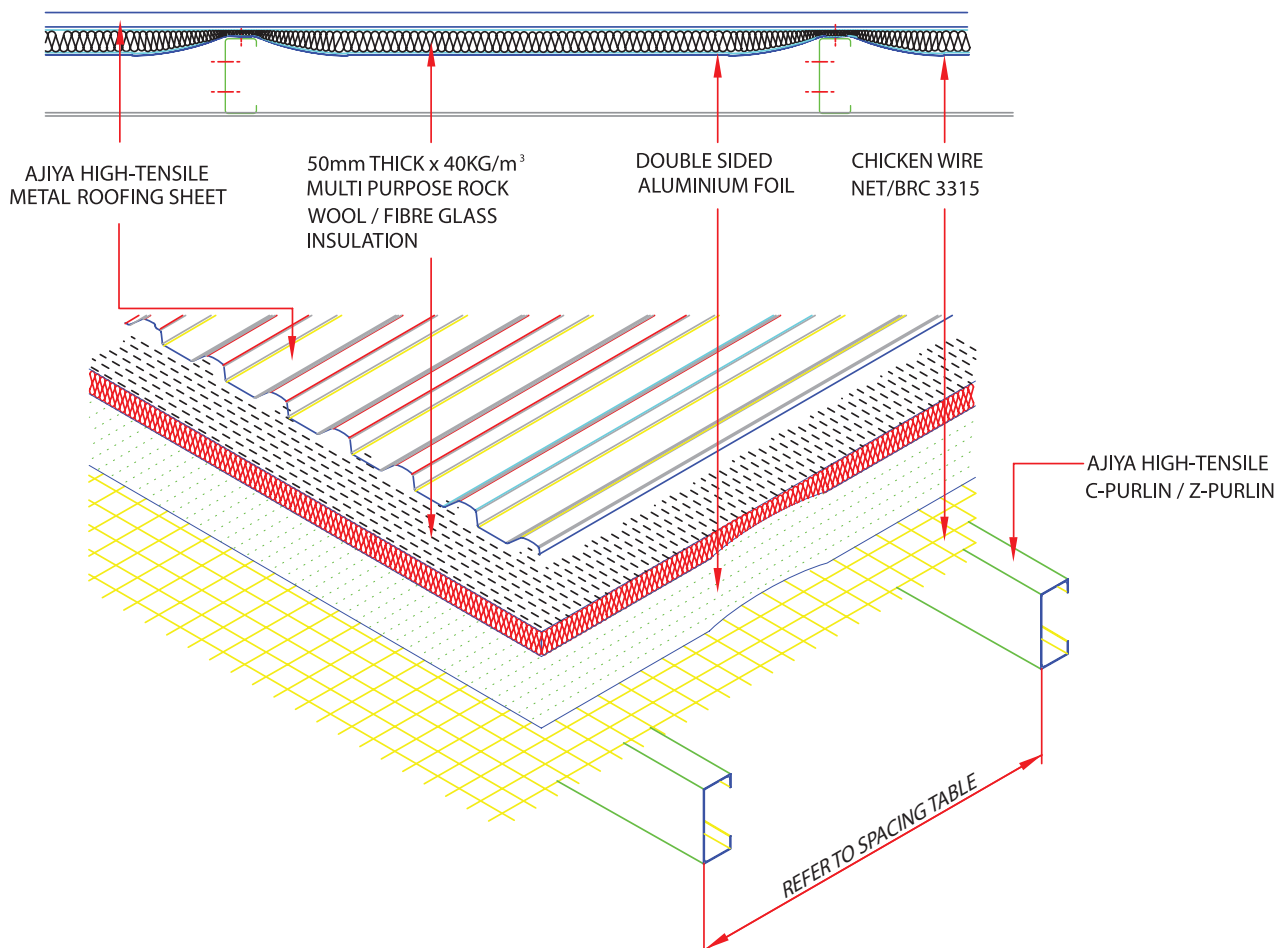
Rib height	: 23mm ±1mm
Effective cover	: 720mm
Minimum roof pitch	: 3°

Tolerance

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

- Roll - forming long length high tensile metal decking.
- 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)*
- With effective cover width of 720mm and rib height of 23mm.
- Recommended minimum roof pitch is 3°.
- Innovative, durable and cost effective.
- Widely used for commercial and industrial projects such as factories, condominium, cabin, hoarding, cladding and etc.

METHOD OF INSTALLATION (APPLICABLE FOR AP RIB, JET RIB, MEGA RIB 30/35, CLS 705, CL 710)



JET RIB	AVAILABLE THICKNESS ***						
	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)
	0.35	0.40	2.65	3.68	271	JIS3312(MS2383) / AS1397 (MS1196)	550
	0.40	0.46	3.01	4.18	239	JIS3312(MS2383) / AS1397 (MS1196)	550
	0.42	0.48	3.15	4.38	228	JIS3312(MS2383) / AS1397 (MS1196)	550
	0.48**	0.53	3.58	4.97	201	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.

JET RIB	DISTRIBUTED LOAD CAPACITY – CONTINUOUS SPAN CONDITION ***											
	Thickness (mm) [BMT]	SPAN	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
	0.35	Serviceability	kN/m ²	2.61	2.18	1.58	1.18	0.93	0.63	0.48	0.33	0.28
		Strength		4.16	3.47	2.51	1.87	1.47	0.99	0.75	0.51	0.43
	0.40	Serviceability		2.73	2.33	1.73	1.33	1.08	0.78	0.54	0.43	0.30
		Strength		4.35	3.71	2.75	2.11	1.71	1.23	0.83	0.67	0.47
	0.42	Serviceability		2.85	2.45	1.85	1.45	1.20	0.90	0.65	0.48	0.33
		Strength		4.55	3.91	2.95	2.31	1.91	1.43	1.03	0.76	0.52
	0.48	Serviceability		2.95	2.64	2.09	1.74	1.49	1.29	1.04	0.84	0.54
		Strength		4.70	4.20	3.32	2.76	2.36	2.04	1.64	1.32	0.84

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

- Deflection Limit: SPAN/180.

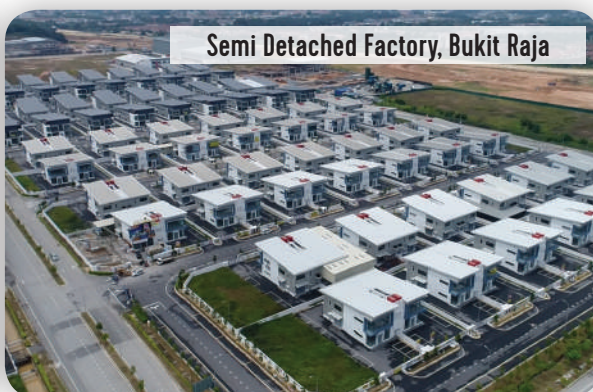
JET RIB	RECOMMENDED MAXIMUM SPACING OF SUPPORTS ***					
	Base Metal Thickness (mm)	Total Coated Thickness (mm)	ROOF		WALL	
			End Span (mm)	Internal Span (mm)	End Span (mm)	Internal Span (mm)
	0.35	0.40	1330	1700	1900	2200
	0.40	0.46	1500	1800	2100	2500
	0.42	0.48	1700	2100	2200	2600
	0.48	0.53	2700	2700	2600	2700

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

JET RIB	RECOMMENDED MAXIMUM ROOF LENGTH [M] ***			
	SLOPE IN DEGREE	3°	5°	7°
	RAINFALL (mm/h)			
	150	50	60	80
	200	39	50	60
	250	30	40	48
	300	26	30	40

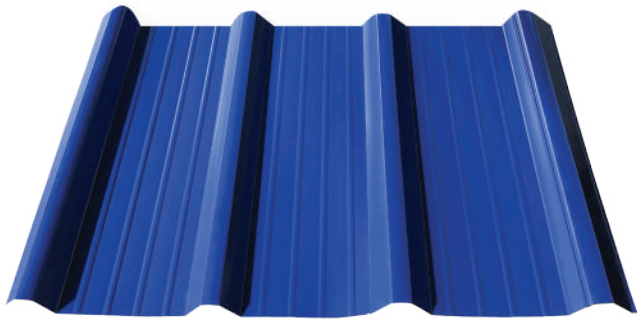
- The amount of water that must be shed increases with the length of the roof. To avoid possible back-up of water in severe wind conditions, the following recommended roof length should be considered as maximum for a given roof pitch and rain fall rate.

*** 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.



MEGA RIB 30/35

Industrial Profile Metal Roofing



- Roll - forming long length high tensile metal decking with three fluted pans.
- 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)*
- Effective cover width of 750mm and rib height of 28.5mm for MEGA RIB 30.
- Effective cover width of 723mm and rib height of 35mm for MEGA RIB 35.
- Recommended minimum roof pitch is 2°.
- High rib to ensure good spanning capability and excellent water-discharge capacity.
- Can be custom made lengths with option for on-site roll-forming.
- Widely used for commercial and industrial projects like shop offices, schools, multi-purpose halls, apartment, sprung curve roof, and etc.

PRODUCT FEATURES

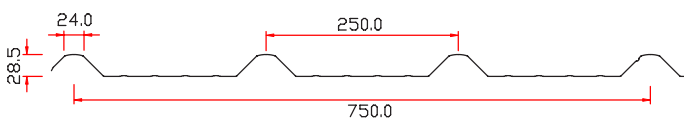
- Custom made lengths with options for on-site rolling.
- Long spanning capacity.
- Available in various thicknesses steel roofing & colours.
- Good rain water flow capacity.

Curvature

Natural Curve : >800mr Radius

Crimp Curve : >600mr Radius

AJIYA MEGA RIB 30



Dimensions

Rib height : 28.5mm
±1mm

Effective cover : 750mm

Minimum roof pitch : 2°

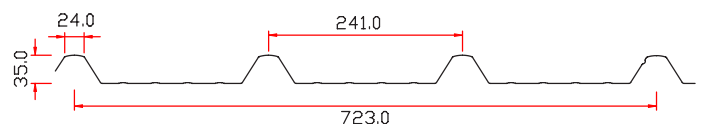
Tolerance

Thickness for material : ±0.03mm

Effective Width : ±5mm

Finishing Length : ±5mm

AJIYA MEGA RIB 35



Dimensions

Rib height : 35mm ±1mm

Effective cover : 723mm

Minimum roof pitch : 2°

Tolerance

Thickness for material : ±0.03mm

Effective Width : ±5mm

Finishing Length : ±5mm



AVAILABLE THICKNESS ***							
	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]
MEGA RIB 30	0.35	0.40	2.65	3.53	283	JIS3312[MS2383] / AS1397[MS1196]	550
	0.40	0.46	3.01	4.01	249	JIS3312[MS2383] / AS1397[MS1196]	550
	0.42	0.48	3.15	4.20	238	JIS3312[MS2383] / AS1397[MS1196]	550
	0.48**	0.53	3.58	4.77	209	JIS3312[MS2383] / AS1397[MS1196]	550
MEGA RIB 35	0.35	0.40	2.65	3.66	273	JIS3312[MS2383] / AS1397[MS1196]	550
	0.40	0.46	3.01	4.16	240	JIS3312[MS2383] / AS1397[MS1196]	550
	0.42	0.48	3.15	4.36	229	JIS3312[MS2383] / AS1397[MS1196]	550
	0.48**	0.53	3.58	4.95	201	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 ***												
Thickness [mm] [BMT]		SPAN	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
MEGA RIB 30	0.35	Serviceability	kN/m ²	2.03	1.63	1.33	1.08	0.93	0.83	0.73	0.63	0.53
		Strength		3.23	2.59	2.11	1.71	1.47	1.31	1.15	0.99	0.83
	0.40	Serviceability		2.58	2.13	1.83	1.53	1.28	1.03	0.93	0.83	0.73
		Strength		4.11	3.39	2.91	2.43	2.03	1.63	1.47	1.31	1.15
	0.42	Serviceability		2.93	2.43	1.98	1.63	1.38	1.13	1.03	0.88	0.78
		Strength		4.68	3.88	3.16	2.60	2.20	1.80	1.64	1.40	1.24
	0.48	Serviceability		3.53	3.13	2.53	2.08	1.73	1.43	1.23	1.08	0.98
		Strength		5.64	5.00	4.04	3.32	2.76	2.28	1.96	1.72	1.56
MEGA RIB 35	0.35	Serviceability	kN/m ²	2.53	2.03	1.73	1.43	1.23	1.03	0.93	0.78	0.68
		Strength		4.03	3.23	2.75	2.27	1.95	1.63	1.47	1.23	1.07
	0.40	Serviceability		3.53	2.83	2.23	1.93	1.63	1.38	1.13	0.98	0.88
		Strength		5.63	4.51	3.55	3.07	2.59	2.19	1.79	1.55	1.39
	0.42	Serviceability		3.83	3.13	2.53	2.13	1.73	1.48	1.23	1.08	0.98
		Strength		6.12	5.00	4.04	3.40	2.76	2.36	1.96	1.72	1.56
	0.48	Serviceability		4.53	3.83	3.13	2.53	2.13	1.83	1.53	1.38	1.23
		Strength		7.24	6.12	5.00	4.04	3.40	2.92	2.44	2.20	1.96

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

- Deflection Limit: SPAN/180.

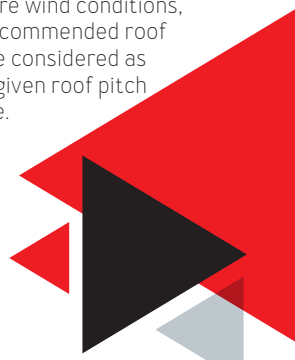
RECOMMENDED MAXIMUM SPACING OF SUPPORTS ***								
	Base Metal Thickness [mm]	Total Coated Thickness [mm]	ROOF			WALL		
			End Span [mm]	Internal Span [mm]	Cantilever [mm]	End Span [mm]	Internal Span [mm]	Cantilever [mm]
MEGA RIB 30	0.35	0.40	1200	1300	150	1300	1500	200
	0.40	0.46	1300	1400	150	1400	2100	200
	0.42	0.48	1500	1600	150	1550	2200	200
	0.48	0.53	1900	2000	150	1800	2500	200
MEGA RIB 35	0.35	0.40	1400	1500	200	1400	2100	250
	0.40	0.46	1500	1700	200	1500	2500	250
	0.42	0.48	1600	1800	200	1700	2500	250
	0.48	0.53	2000	2200	200	2000	2800	250

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

RECOMMENDED MAXIMUM ROOF LENGTH [M] ***												
SLOPE IN DEGREE	MEGA RIB 30	2°	5°	7°	10°	12°	MEGA RIB 35	2°	5°	7°	10°	12°
RAINFALL (mm/h)												
250		62	80	94	113	124		85	109	129	155	170
300		51	66	79	94	103		70	91	108	129	141
350		44	57	67	81	88		60	78	92	110	121
400		38	50	59	70	77		53	68	81	97	106
- Based on Maximum water level at 20mm						- Based on Maximum water level at 26mm						

- 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.



MEGA RIB 30 PU PVC / METAL



Industrial Profile Metal Roofing

MEGA RIB 30 PU PVC



- Mega Rib 30 PU PVC made up of 3 layers of prepainted steel, rigid Polyurethane [PU] and the fire retardant PVC lamination.
- It is a complete insulation system built into a single product which can effectively reduce heat and noise.

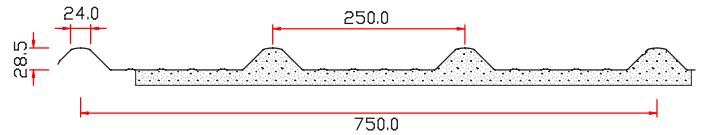
Detail of PU PVC ***

Outer Skin	Mega Rib 30	0.34mm - 0.55mm TCT
Insulation	Polyurethane [PU]	20mm - 25mm *
	Density	35kg/m ³ ±3%
Type of Insulation		Bonded Rigid Polyurethane
Inner Skin	PVC	--

*PU thickness = ±2.0mm.

- 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.

SECTIONAL PROFILE



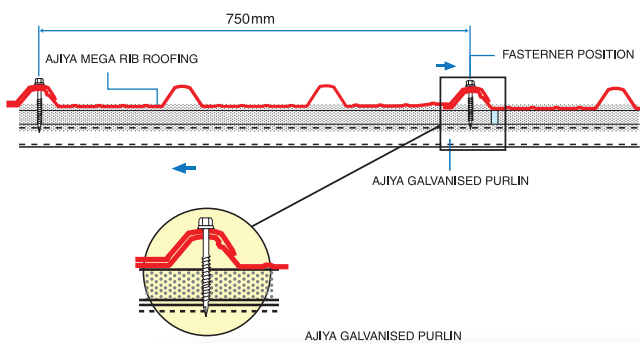
Dimensions

Rib height : 28.5mm ±1mm
Effective cover : 750mm
Minimum roof pitch : 2°

Tolerance

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

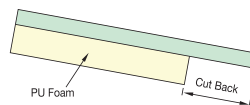
CREST FIXING



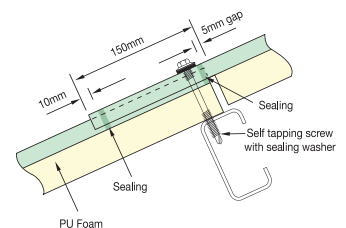
■ Panel End Cut Back

For installation of insulated metal roof, the following measures are recommended.

- Cut back at eaves - 100mm
- Cut back at end laps - 150mm



■ Panel End Lap



Senawang Army Camp, Negeri Sembilan (MEGA RIB 30 PU PVC)



MEGA RIB 30 PU METAL



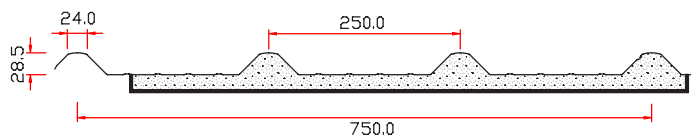
- Mega Rib 30 PU METAL made up of 3 layers of prepainted steel, rigid Polyurethane (PU) and steel sheet firmly laminated to the foam layer.
- It is a complete insulation system built into a single product which can effectively reduce heat and noise.

Detail of PU Metal ***		
Outer Skin	Mega Rib 30	0.34mm - 0.55mm TCT
Insulation	Polyurethane (PU)	20mm - 50mm *
	Density	35kg/m ³ ±3%
Type of Insulation		Bonded Rigid Polyurethane
Inner Skin	Flat Metal Sheet	Min. 0.20mm TCT
Surface Spread of Flame		Class 'O' [BOMBA]
Sound Reduction Index [dB]		25dB
Fire Propagation Index [I]		0.4
Thermal Resistance [R]		0.63m ² K/W

*PU thickness = ±2.0mm.

- 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.

SECTIONAL PROFILE



Dimensions

Rib height	: 28.5mm ±1mm
Effective cover	: 750mm
Minimum roof pitch	: 2°

Tolerance

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

*** 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.

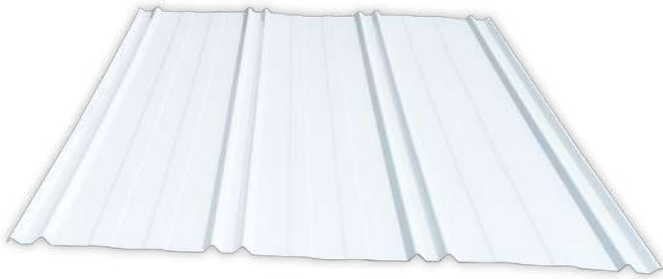
AJIYA PU END CAP



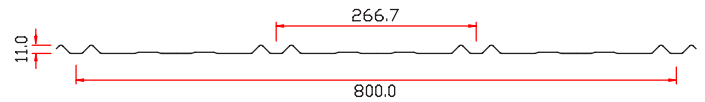
Factory, Shah Alam (MEGA RIB 30 PU METAL)

M-CLAD 800

Industrial Profile Metal Cladding



SECTIONAL PROFILE



Dimensions

Rib height : 11mm ±1mm

Effective cover : 800mm

Tolerance

Thickness for material : ±0.03mm

Effective Width : ±5mm

Finishing Length : ±5mm

- M-Clad 800 is manufactured from high tensile Steel Protected with corrosion inhibitive treatment.
- Cladding profile with material warranty up to 25 years. [\[Warranty terms & conditions apply\]](#)
- It can be used vertically and horizontally to allow creative and flexible.
- Suitable for use as wall cladding, fascias, feature wall, garage door cladding and fencing.

AVAILABLE THICKNESS ***

M-CLAD 800	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)
	0.35	0.40	2.65	3.31	302	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.40	0.46	3.01	3.76	266	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.42	0.48	3.15	3.94	253	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.48 **	0.53	3.58	4.48	223	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 ***

M-CLAD 800	Thickness (mm) [BMT]	SPAN	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
	0.35	Serviceability	kN/m ²	1.33	0.93	0.73	0.58	0.43	0.33	0.23	0.15	0.11
		Strength		2.11	1.47	1.15	0.91	0.67	0.51	0.35	0.22	0.15
	0.40	Serviceability		1.53	1.13	0.83	0.68	0.53	0.38	0.25	0.18	0.13
		Strength		2.43	1.79	1.31	1.07	0.83	0.59	0.38	0.27	0.19
	0.42	Serviceability		1.63	1.18	0.88	0.71	0.55	0.41	0.28	0.19	0.14
		Strength		2.60	1.88	1.40	1.12	0.87	0.64	0.44	0.29	0.21
	0.48	Serviceability		1.83	1.33	1.03	0.83	0.65	0.47	0.33	0.23	0.15
		Strength		2.92	2.12	1.64	1.32	1.03	0.75	0.52	0.36	0.23

- 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 SUPPORT ***

M-CLAD 800	Base Metal Thickness (mm)	Total Coated Thickness (mm)	End Span (mm)	Internal Span (mm)	Cantilever
	0.35	0.40	650	900	100
	0.40	0.46	800	1100	150
	0.42	0.48	900	1200	150
	0.48	0.53	1000	1300	150

*** 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.



VALLEY FIXING OF AJIYA M-CLAD 800

GENERAL INFORMATION

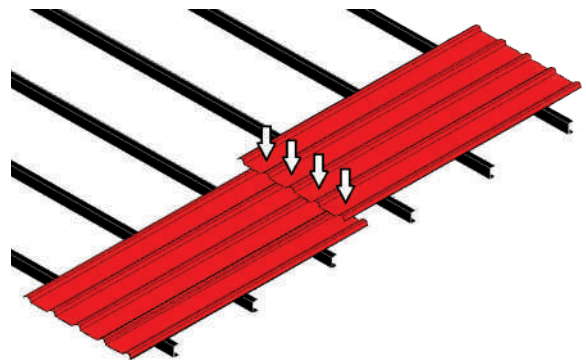
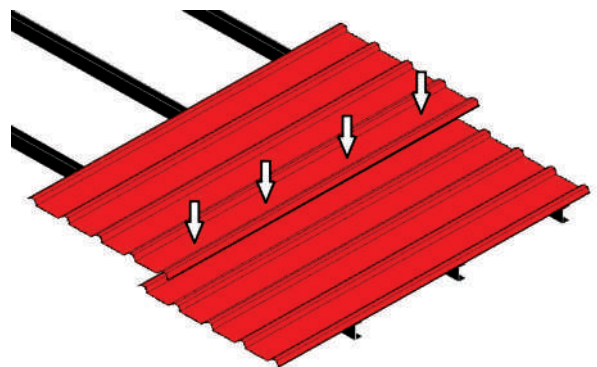
INSTALLATION METHOD

SIDE LAPS AND FLASHING

- Fasteners are required for metal roofing and flashing at mid spans for purlin spacing over 1,000mm and for girt spacing over 1,200mm.
- Flashing Fasten with stitching screw Hexagon Head No. 10 x 25mm self-drilling screw with pre-assembled neoprene bonded washer.

END LAP

- End laps to be fastened through crest along the purlins.
- Metal roofing sheet is available in continuous length limited only by the maximum transportable length of 25m.
- For longer length, end lap is recommended, minimum end lap overlapping should be 200mm-300mm. The lap should be secure fastening and treated with a recommended sealant.

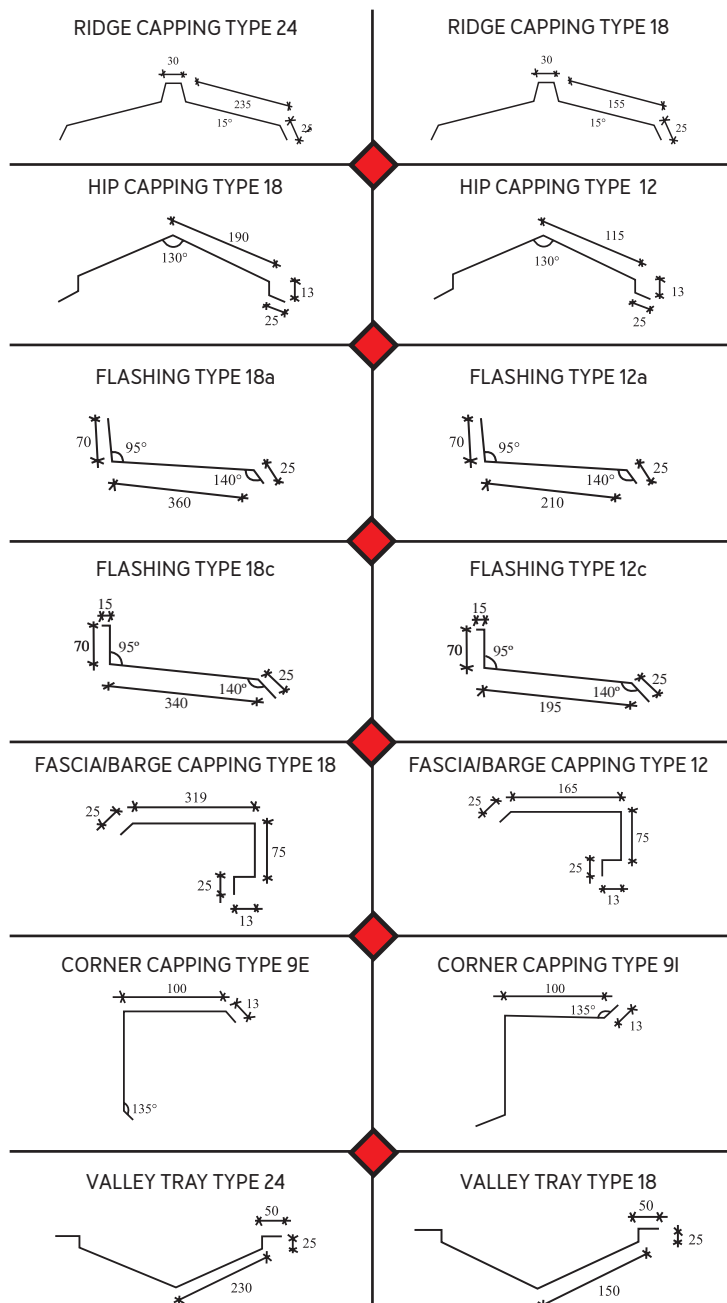


SAMPLE OF SPECIFICATION

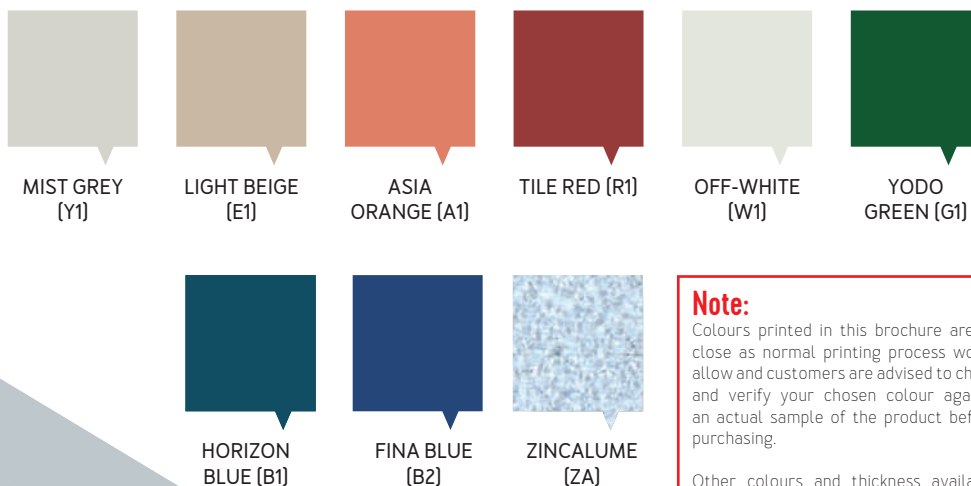
To supply **AJIYA (AP RIB, JET RIB, MEGA RIB 30 / 35)** High Tensile Metal Roofing Sheets in Pre-painted hot-dipped zinc-coated steel OR Pre-painted hot-dipped zinc aluminium alloy-coated steel to be fixed with/without insulation, and come complete with necessary fitting and accessories.

To supply **AJIYA MEGA RIB 30 PU PVC / METAL** High Tensile Metal Roofing Sheets in Pre-painted hot-dipped zinc-coated steel OR Pre-painted hot-dipped zinc aluminium alloy-coated steel insulated with Bonded Rigid Polyurethane insulation system, and come complete with necessary fitting and accessories.

Note: Details in accordance with manufacturer's instructions.



COLOR SELECTION 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. 60, Jalan Industri Temerloh,
Taman Perindustrian Temerloh,
28400 Mentakab, Pahang.
Tel : +609-270 1313
Fax : +609-270 1311

Kuantan Marketing Office & Factory

PT 59860 Jalan Indera Mahkota 14/9,
Bandar Indera Mahkota, 25200
Kuantan, Pahang.
Tel : +609-572 1816
Fax : +609-572 1887

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

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