

Actual branding text on Lavenda® INNO:SNAP

LAVENDA (R) INNO:SNAP 350 0.42MM BMT 0.47MM TCT) IN COLORBOND (R) W30 COLOUR AZ150 G550 STEEL COIL NUMBER DDHMY

Lavenda®
INNOVATIVE BUILDING SYSTEMS

Lavenda Steel Sdn Bhd

(Co. No. 622359-W)

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Certificate no. SG09 02693



Certificate no. MY09 00428



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About
COLORBOND® STEEL

We prefer and recommend:

Colorbond® **VERMOE®** **Zincalume®**

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**The Innovative
Standing Seam Metal Roofing**

INNO:SNAP



INNO:SNAP

Lavenda® INNO:SNAP stands as the innovative standing seam metal roofing profile, redefining excellence in modern architecture. Crafted with precision engineering, it embodies a commitment to versatility, modernity, and lightness. With three effective width options, it offers unparalleled flexibility to manifest architectural visions with precision and finesse. Whether seeking a minimalist and sleek design or desiring the textured elegance of a flute-enhanced profile, Lavenda® INNO:SNAP provides a versatile canvas to bring design aspirations to life.

Revolutionizing traditional roofing solutions with its innovative design, it seamlessly blends into both modernist and contemporary architectural landscapes.

ADVANTAGES

- Quick & Easy Installation**
Streamline installation process with our easy-to-use snap lock mechanism, ensuring a quick and hassle-free assembly.
 - Weatherproof**
Concealed fixing system ensures superior weather resistance, prevent water ingress contributing to the longevity and durability.
 - Cost Effective**
Snap & lock system eliminates the seaming process and the requirement for clips, leading to shorter construction timelines.
 - Rainfall Runoff Capacity**
Wide pan design provides exceptional water runoff capabilities, effortlessly meeting long spanning roofing needs while maintaining superior performance against rainfall.
- Solar Panel Compatible**
Seamless integration with solar panels, eliminating the need for screws during installation. Simply snap the panels onto the profile without any puncturing required.
 - Unparallel Versatility**
Different effective width available for unmatched precision, tailor roofing profile to suit your architectural design needs.
 - Design Flexibility:**
Appearance to add with flute and without flute to suit specific architectural needs and design preferences, offering both sleek and seamless or textured finishes for enhanced versatility.
 - Ideal for**
Roof, Wall Cladding, Interior Wall Panel



Snap & Lock System



Quick Installation



Weatherproof



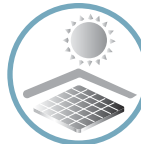
Rainfall Runoff Capability



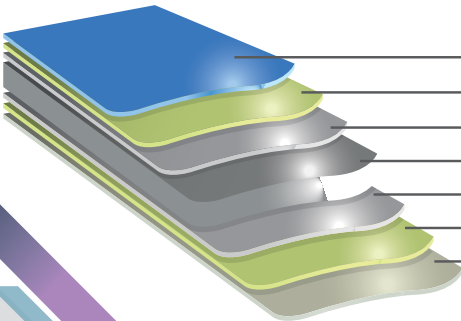
Design Versatility



Low Pitched Roof



Solar Panel Compatible



- Finish Coat
- Universal Corrosion Inhibitive Primer
- Conversion Coating
- ZINCALUME® steel – Aluminium/Zinc Alloy Coated Steel Substrate
- Conversion Coating
- Universal Corrosion Inhibitive Primer
- Backing Coat

Cross-section of COLORBOND® steel

- Recommended coated steel: COLORBOND® Steel**
- Outstanding corrosion resistance with its ZINCALUME® steel substrate core.
 - The proprietary paint system protects surfaces from fading, chalking and peeling ensure beautiful colours that last longer.
 - Incorporate Clean Technology prevents dirt from bonding to the surface, maintaining a pristine appearance.
 - Keep indoor cools with Thermatech® Technology, which reduces heat transmitted through the roof**
 - COLORBOND® steel comes with an enhanced warranty of 30 years*

** Compared to conventional paint system.
*Warranty Terms & Conditions apply

SPECIFICATIONS

Material	COLORBOND®, VERMOE®, ZINCALUME®, PRIMAMAJU®
Steel Grade (MPa)	G300 - G550
Thickness (mm)	0.42-0.60
Effective width (mm)	200/350/500
Rib height (mm)	25
Application	Roof, Wall Cladding and Fascia
Min roof pitch	3 degree

RECOMMENDED MAXIMUM ROOF LENGTH (M)

SLOPE IN DEGREE RAINFALL (mm/h)	2°	3°	5°	10°
250	104	121	151	207
300	86	101	126	173
400	65	76	95	130
500	52	61	76	104

Technical Data - INNO:SNAP 200 Available Thickness

Base Metal Thickness(mm)	Total Coated Thickness (mm)	Weight per metre (kg/m)	Weight per sq metre (kg/m²)	Coverage per ton (m²/mt)
0.42	0.47	1.04	5.21	192
0.48	0.53	1.18	5.92	169
0.60	0.65	1.47	7.34	136

Technical Data - INNO:SNAP 350 Available Thickness

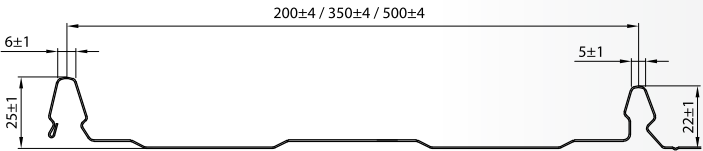
Base Metal Thickness(mm)	Total Coated Thickness (mm)	Weight per metre (kg/m)	Weight per sq metre (kg/m²)	Coverage per ton (m²/mt)
0.42	0.47	1.56	4.46	224
0.48	0.53	1.78	5.07	197
0.60	0.65	2.20	6.29	159

Technical Data - INNO:SNAP 500 Available Thickness

Base Metal Thickness(mm)	Total Coated Thickness (mm)	Weight per metre (kg/m)	Weight per sq metre (kg/m²)	Coverage per ton (m²/mt)
0.42	0.47	2.08	4.16	240
0.48	0.53	2.37	4.73	211
0.60	0.65	2.94	5.87	170

All thickness are nominal and provisional. Tolerance may occurred and they are subjected to change and variations in accordance to finished product's condition.

PROFILE SECTION



DIMENSION

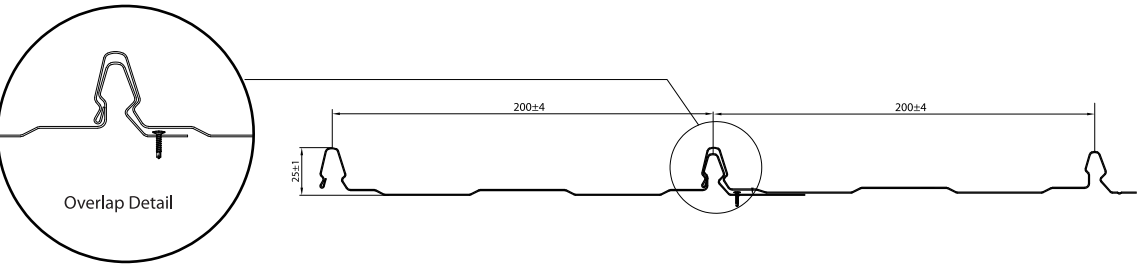
- Rib Height : 25mm
- Effective Width : 200/350/500mm
- Minimum Roof Pitch : 3° **

** Subject to the roofing length

TOLERANCE

- Thickness for Material : ±0.03mm
- Effective Width : ±4mm

CONNECTION DETAILS



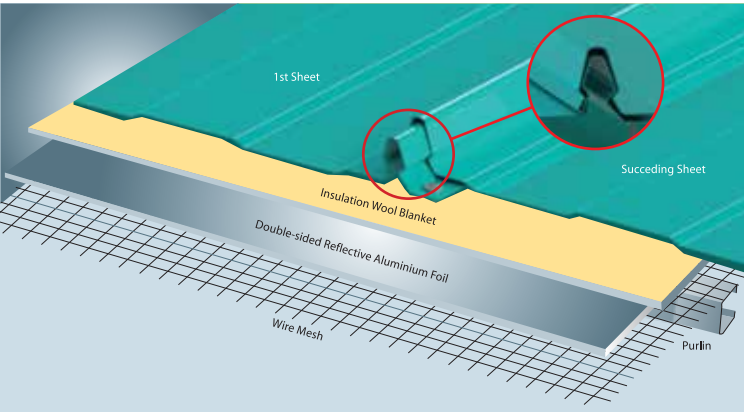
With Striation



Without Striation

INSTALLATION GUIDE

- Place the first sheet onto the support, ensuring it aligns with the building edge.
- Fasten the wafer head screw onto the lip on male rib to secure it to the support.
- Align the next sheet and snap its female rib to the male rib of the previous sheet to engage them.
- Repeating step 1 to 3 until the roof / wall covering is completed.



Lavenda[®]

Steel Roofing System



INNO:CLIP 700 - *Simply a Smarter System*

What was once a labor-intensive and time consuming installation process has now changed with Lavenda INNO-CLIP 700 steel roofing system.



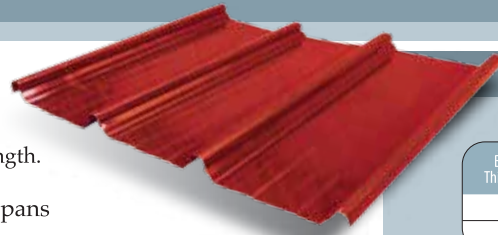
Simply a Smarter System

Lavenda INNO:CLIP 700 Steel Roofing Systems is strong, durable and versatile especially for long length roof and wall cladding applications. This is a very simple and affordable system available in the market today. It is manufactured based on the innovation of combining the strength of steel with a smart fluted pan and lock-action rib to achieve a clean concealed fastening. As a result, more flexibility and durability are created especially for low-pitched roof and walling applications in both vertical and horizontal installation. What was once a labor-intensive and time consuming installation process has now changed with Lavenda INNO-CLIP 700 steel roofing system where the panel edge simply snap together while the concealed clip fasteners enhances the sleek appearance of the roof.



Benefits & Features

- Roll-forming to transportable length.
- Combines with smart fluted spans and a Lock-action Rib design.
- Manufactured from high quality Zinc/ Aluminium Coated Steel and X'cell Prepainted Steel which provides superior corrosion resistance.
- Roofing and Walling Profiles with Material Warranty up to 25 Years*. (*Warranty Terms & Conditions apply)
- Wider effective cover width of 700mm and Rib Height of 40mm.
- Minimum Roof Pitch - 1°
- Concealed Fixing Method with Clip & Locking System.
- Strongly recommend for Applications from Low Pitched Roofs to Vertical or Horizontal Ribbed Walling for Warehouse, Shop Offices, Exhibition Halls, Residential etc.



Specifications

TECHNICAL DATA - AVAILABLE THICKNESS

Base Metal Thickness(mm)	Total Coated Thickness (mm)	Weight per metre (kg/m)	Weight per sq metre (kg/m²)	Coverage per ton (m²/mt)	Minimum Yield Strength(MPa)
0.42	0.47	3.17	4.52	221	550
0.48	0.53	3.60	5.13	195	550

RECOMMENDED MAXIMUM ROOF LENGTH (M)

SLOPE IN DEGREE RAINFALL (mm/h)	1°	2°	3°	5°
250	40	50	60	75
300	33	43	50	60
400	26	30	36	47
500	20	26	30	38

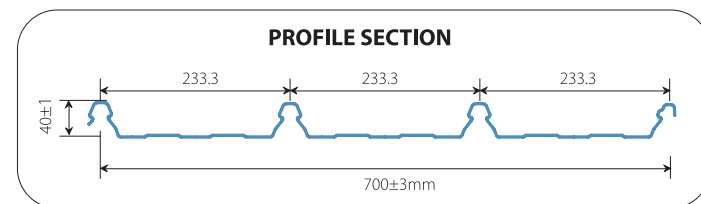
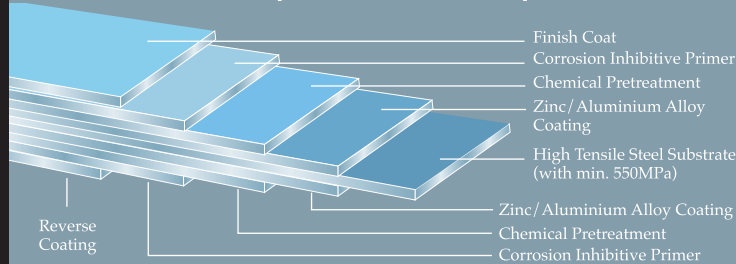
MAXIMUM RECOMMENDED SPACING OF SUPPORTS

ROOF				WALL		
Base Metal Thickness(mm)	Single Span (mm)	Internal Span (mm)	End Span (mm)	Single Span (mm)	Internal Span (mm)	End Span (mm)
0.42	1600	2200	1700	2400	3600	3000
0.48	2000	2800	2300	2700	3900	3300

NOTE : The roof overhang is not meant for human traffic

All thickness are nominal and provisional. Tolerance may occur and they are subjected to change and variations in accordance to finished product's condition.

Standard Material Specification: X'cell Prepainted Steel



Dimensions

Rib Height : 40mm
Effective Cover : 700mm
Minimum Roof Pitch : 1° **

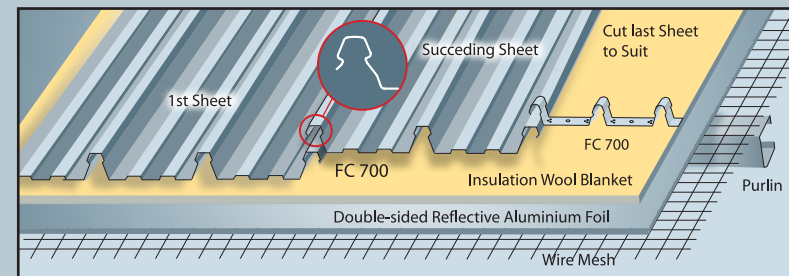
** Subject to the roofing length

Tolerance

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

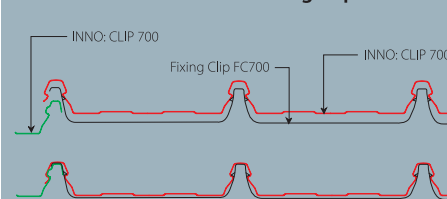
Installation Procedure

The first 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' indicates 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 preceeding sheets.

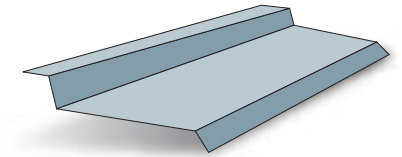


NOTE : Recommended 4 Fasteners Per Clip

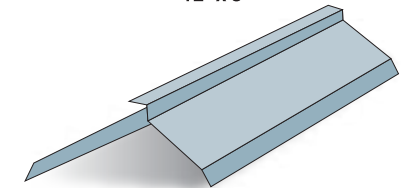
INNO:CLIP 700 with Fixing Clip FC700



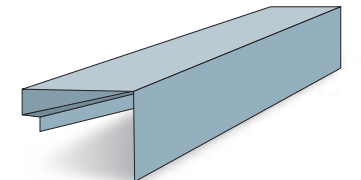
Fixing Clip FC 700



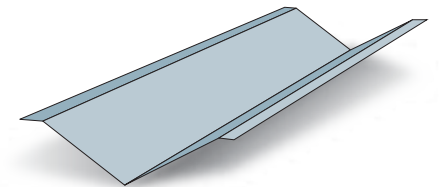
Wall Flashing
12" x 8'



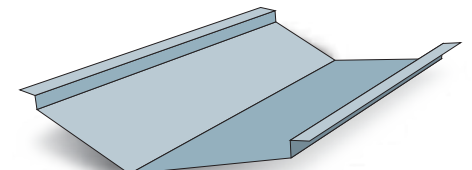
Ridge Capping
18" x 8'



Fascia Capping
9" x 8'

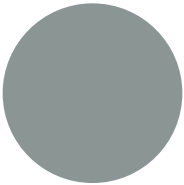


Valley Gutter (Type 1)
18" x 8'

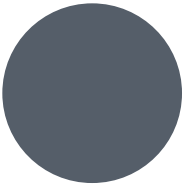


Valley Gutter (Type 2)
18" x 8'

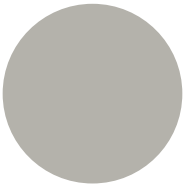
COLOURS AVAILABLE



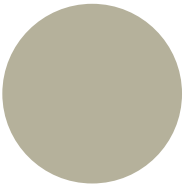
PEARL GREY



YODO GREY



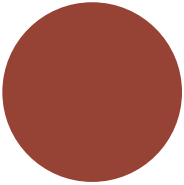
MIST GREY



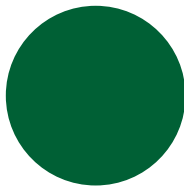
LIGHT BEIGE



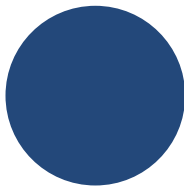
SATIN OFF WHITE



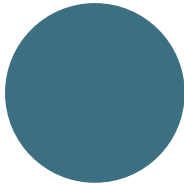
TILE RED



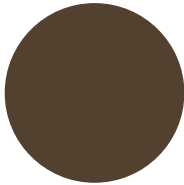
YODO GREEN



FINA BLUE



HORIZONTAL BLUE



DARK BROWN



Note : The x'cell Prepainted Steel colours shown in the brochure have been reproduced to represent actual product colours as accurately as possible. However, we recommend you to check your chosen colour against actual sample of the product before purchasing, as varying light conditions and limitations of the printing process affect colour tones.



Projects reference



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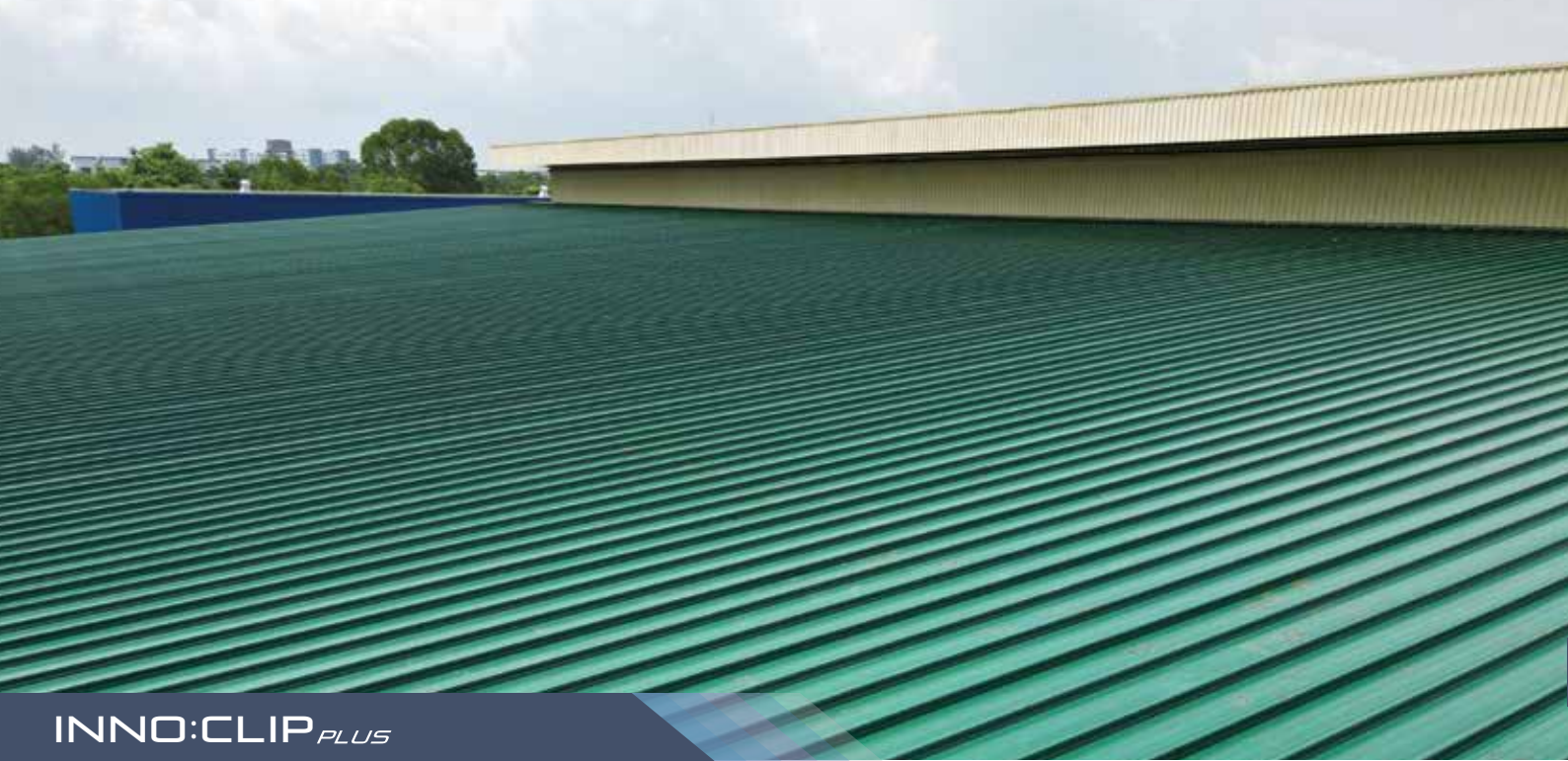
We prefer and recommend:

Colorbond® **VERMOE®** **Zincalume®**

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Lavenda®
INNOVATIVE BUILDING SYSTEMS

INNO:CLIP PLUS



INNO:CLIP PLUS

Lavenda® INNO:CLIPplus Steel Roofing Systems is an innovative and convenient solution for roofing that utilizes a unique clip-on method. This system involves attaching roofing panels or tiles to the structure using durable clips, eliminating the need for traditional methods such as nails or screws. This clip-on roofing system offers several benefits, including quick and easy installation, increased durability, and improved aesthetics.

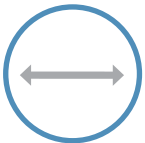
Lavenda® INNO:CLIPplus Steel Roofing Systems is poised to transform the roofing industry and provide customers with a reliable and efficient solution for their roofing needs. This system also boasts an excellent water discharge capacity, ensuring effective drainage during heavy rainfall. The innovative design of Lavenda® INNO:CLIPplus Steel Roofing Systems not only revolutionizes the installation and maintenance of roofing but also provides superior water management, making it an ideal choice for a reliable and efficient roofing solution.

FEATURES & ADVANTAGES

- Wider pans and high ribs to ensure efficient water discharge capability
 - Roll-forming to transportable length.
 - Combines with smart fluted spans and a Lock-action Rib design.
 - Manufactured from high quality Zinc/Aluminium Coated Steel and COLORBOND® Prepainted Steel which provides superior corrosion resistance.
 - Roofing and Walling Profiles with Material Warranty up to 30 Years*. (*Warranty Terms & Conditions apply)
 - Wider effective cover width of 740mm and Rib Height of 43mm.
 - Minimum Roof Pitch - 2°
 - Concealed Fixing Method with Clip & Locking System.
- Strongly recommend for Applications from Low Pitched Roofs to Vertical or Horizontal Ribbed Walling for Warehouse, Shop Offices, Exhibition Halls, Residential etc.

Recommended coated steel: COLORBOND® Steel

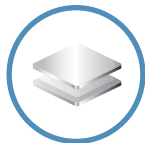
 - Outstanding corrosion resistance with BlueScope's proprietary metallic coating formula
 - Superior durability against weathering and paint damnation
 - Highly resistance to dirt and staining
 - Direct warranty from BlueScope®



Long Spanning



Clip & Lock System



Concealed Fixing Method



Rainfall Runoff Performance



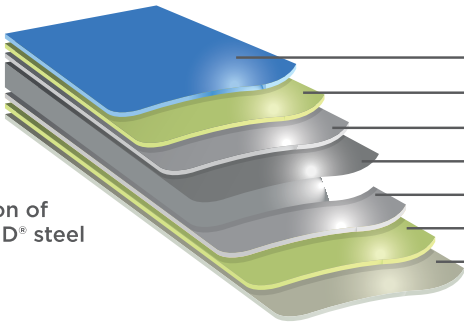
Aesthetic Appearance



Economical Choice

Colorbond®

Cross-section of COLORBOND® steel



- Finish Coat (nominal 20µm)
- Universal Corrosion Inhibitive Primer (nominal 5µm)
- Conversion Coating
- ZINCALUME® Aluminium/Zinc Alloy Coated Steel Substrate
- Conversion Coating
- Universal Corrosion Inhibitive Primer (nominal 5µm)
- Backing Coat (nominal 5µm)

SPECIFICATIONS

TECHNICAL DATA - AVAILABLE THICKNESS

Base Metal Thickness(mm)	Total Coated Thickness (mm)	Weight per metre (kg/m)	Weight per sq metre (kg/m²)	Coverage per ton (m²/mt)	Minimum Yield Strength(MPa)
0.42	0.47	3.17	4.52	221	550
0.48	0.53	3.60	5.13	195	550

RECOMMENDED MAXIMUM ROOF LENGTH (M)

SLOPE IN DEGREE RAINFALL (mm/h)	2°	3°	5°	10°
250	60	75	90	110
300	50	60	70	85
400	36	47	58	74
500	30	38	46	50

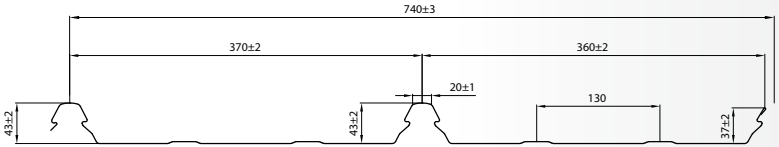
MAXIMUM RECOMMENDED SPACING OF SUPPORTS

Base Metal Thickness(mm)	ROOF			WALL		
	Single Span (mm)	Internal Span (mm)	End Span (mm)	Single Span (mm)	Internal Span (mm)	End Span (mm)
0.42	1600	2200	1700	2400	3600	3000
0.48	2000	2800	2300	2700	3900	3300

NOTE : The roof overhang is not meant for human traffic

All thickness are nominal and provisional. Tolerance may occur and they are subjected to change and variations in accordance to finished product's condition.

PROFILE SECTION



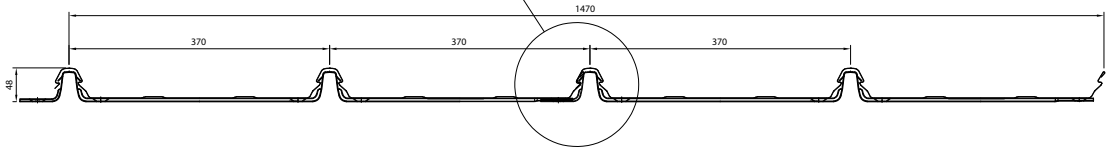
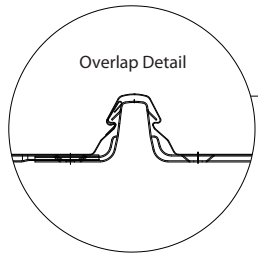
DIMENSION

- Rib Height : 43mm
- Effective Width : 740mm
- Minimum Roof Pitch : 2° **
- ** Subject to the roofing length

TOLERANCE

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

CONNECTION DETAILS



Fixing Clip FC740

INSTALLATION PROCEDURE

The first 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' indicates 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.

