Rofolok 700 Accessories

The Rofolok Clips are specially designed to achieve great inter-locking purposes and all sheets are imprinted with the Rofo product logo for products identification purposes.



Wafer Head DX 522 Self Drilling Screw accordance to AS 3566 Class 2 for Fixing Clip without insulation.

Wafer Head DX532 Self Drilling Screw accordance to AS 3566 Class 2 for Fixing Clip with insulation.

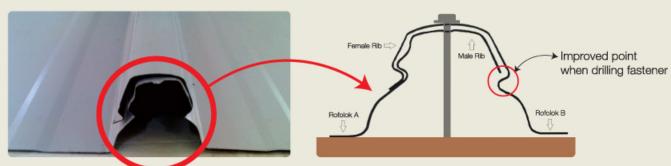






Using Rofolok Metal Roofing with Fasteners (Without Clips)

Beside using the clip system, the Rofolok profile can also to use as ordinary High Rib Metal Roofing with fasteners. The Male and Female ribs are designed to inter-lock firmly and fasteners can easily be installed onto the top of it.



Fastener

The recommended fastener for this profile is No. 12 x 65mm Hex Head Self Drilling Screw that meets AS 3566 Class 3 for Roofing.

For the Wall Cladding use No DX 620 Hex Head that meets AS 3566 Class 2.

Care and Storage

- 1. Minimum recommended Roof Pitch is 2° for length up to 12m. (Ensure skill and experience workmanship are used for roof installation).
- 2. Avoid contact with wet cement to Rofolok 700. If contacted, ensure that the effected surfaces wash and clean immediately.
- 3. Use only Acetic-free Sealant on Rofolok 700 if required.
- 4. Manual cutting recommended. Sweep and clean the roof surfaces free from metallic particles after roof installation so as to prevent corrosion arising from such particles.
- 5. Removed all moisture trapped between sheets during storage at site (if any) by either using a clean cloth or air dry so as to prevent stain marks or possible corrosion. One should totally avoid storing the staked roofing sheets at the uncovered area.

For more information, please contact us:



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Website:

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Colo Steel System Sdn. Bhd. (673950-0)

Il the information and product specifications are current at the time of providing this brochure and subject to change without prior notice. Some of the informations re pick from Colourcoil ® PVF series brochure and some of the icons are colourcoil ® register Trademark.

Rofolok 700



Revision 1

PHIM Registration No. 07020229







New improved 3 3 Small Ribs

Photo 1 & 2 shown that modern residential prefer low pitch roof design to create unique building outlook

Photo 3 Shophouses and Industrial building also show the preference of using low pitch roof design

Our Outstanding Differences:

- 1. Improved 3 small ribs to overcome the valley area wavy problem.
- 2. Imprint Profile Name for Long Term Product Identification.
- 3. Wider effective coverage, resulting to cost saving and reduce side lapping and clips usage.
- 4. Unlike others, the Rib & Clip locking features ensure strong grip to prevent wind uplift.
- For customers with preference of using the high ribs for appearance reasons, the Rofolok side Male and Female Ribs design permits the ribs to be used like any other ordinary roofing sheet that using the ordinary fasteners.
- 6. Firmly secured conceal clips eradicate leakage caused by improper fasteners installation and or corrosion arising from fasteners.
- Excellent profile design that provides high structural properties and reducing the related structural framing support.











The Rofolok 700 is a high rib roof with 3 Pan Clip System Profile. This profile is specifically ideal for strong wind and heavy rainfall terrain. It also designed to overcome the miss drilling fastener problem for roof panel. With special Anti-Leak Capillary and conceal clips, this profile can accept roof pitch to as low as 2°. For modern low pitch house design, Rofolok 700 is the only choice to achieve no leakage and 3D Total Building Design Effect.



















2009

2012

012

2012

2014

Profile Specification



	GAFOLUME (GL)	COFOLUME (PPGL)	GAFOLUME (GL)	COFOLUME (PPGL)
Bass Metal Thickness (mm)	0.	42	0.	48
Total Coated Thickness (mm)	0.47/0.48		0.53/0.54	
Mass Per Unit Area (kg/m²)	4.50	4.61	5.10	5.22
Mass Per Unit Length (kg/m)	3.15	3.23	3.57	3.66
Coverage (m²/t)	222.2	217	196	192

Indicate Brand and Profile Name

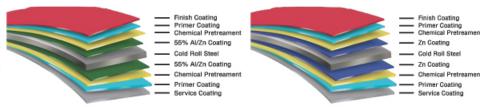
All Rofolok 700 are imprinted with the Trademark for Permanent Identification purposes. The purpose is to provide customer or user easy identification on the product for their future reordering, either extension or replacement of the same product.



Side Lapping Details- Rofolok A (Male Rib), Rofolok B (Female Rib), Male Clip.

Material Specification

The material used for producing Rofolok 700 have gone through numerous Internationally recognized severe test such as Tensile Strength, Salt Spray, Humidity Resistance, Accelerated Weathering, Chemical Resistance,



Hardness, Impact Deformation, Bend Adhesion and Cross Hatch Adhesion. All the test results attained excellent performance reports in accordance to ASTM Standard. (For more details, please refer to The Rofo Product Material Specification Booklet.)

Base Metal Steel : Complies with JISG 3312, AS 1397, MS 1196 or ASTM A 792M.

Minimum Tensile Strength: G550 or 550 Mpa (High Tensile)

Base Steel Coating : Zinc Coated (Z15) or Genuine Aluminum- Zinc 55% Coating (AZ 150, AZ 100)



A custom formulated Lead-Free premium quality polyester paint coating using Infra-Red Coating Technology. This technology provides Lasting Color Retention and Dry Film Durability.

Special request for PVF Series and Elites Series to achieve high SRI value for energy saving towards Green Building Concept are available too!

- Anti Fading & Anti Staining Paint Formulation.
- Unsurpassed Weathering Resistance Against Peeling, Flaking and Cracking.
- Resistant to Dirt Pick-up and Staining.
- Energy-Efficient Solar-Reflective System meets the Solar Reflective (SR) and Solar Reflectance Index (SRI) values.
- 100% Environmental friendly- Mercury and Lead Free.

Infra Red Solution

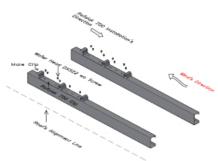
Properties

Total Coating	RECOMMENDED MAXIMUM SUPPORT						MAXIMUM
Total Coating Thickness		ROOF			WALL		
± 0.02mm	SINGLE SPAN	INTERNAL SPAN	END SPAN	SINGLE SPAN	INTERNAL SPAN	END SPAN	CANTILEVER (mm)
1 0.02111111	mm	mm	Mm	Mm	mm	mm	(11111)
0.47/0.48	1500	2100	1650	2300	3100	2900	250
0.53/0.54	1900	2700	2200	2600	3800	3200	300

<u>Distribute Load Capacity for Rofolok 700 profile over Continuous Beam</u>

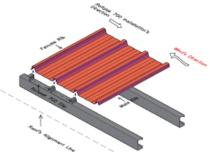
Span (m)	Thickness (mm)	0.42/0.47	0.53/0.54
1.2	Safe Load [kg/m²]	560	650
	Deflection For Above Load (mm)	4	4
1.6	Safe Load [kg/m²]	360	400
	Deflection For Above Load (mm)	6	6
1.8	Safe Load [kg/m²]	240	280
	Deflection For Above Load (mm)	9	9
2.1	Safe Load [kg/m²]	180	210
	Deflection For Above Load (mm)	12	12
2.4	Safe Load [kg/m²]	140	160
	Deflection For Above Load (mm)	16	16
2.7	Safe Load [kg/m²]	105	120
	Deflection For Above Load (mm)	20	20
3.0	Safe Load [kg/m²]	85	95
	Deflection For Above Load (mm)	25	25
3.3	Safe Load [kg/m²]	73	83
	Deflection For Above Load (mm)	30	30
3.5	Safe Load [kg/m²]	60	70
	Deflection For Above Load (mm)	34	34

Installation Procedure



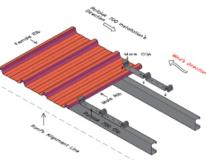
Step 1

The installation direction of the Rofolok 700 roof sheets shall be ensured opposite of the wind directions. The first row of fixing clip is being aligned longitudinally using a wire or string as an alignment line. The Rofolok 700 fixing clips shall be fastened onto the channel with four Wafer-Head DX522 Self Drilling Screws.



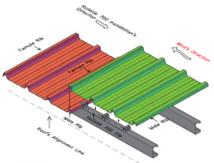
Step 2

The first sheet of Rofolok 700 is then positioned over the fixing clips. The overlapping female rib of the roof sheet shall face the edge of the roof as installation commence. Lock the roof sheet into position by foot pressure on the two centre ribs and female rib of the sheet.



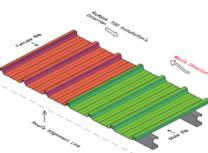
Step 3

Secure the male rib with the next Rofolok 700 fixing clip where the male portion clip holding down the male rib and fasten the clips on the channel with Wafer-Head DX522 Self Drilling Screws.



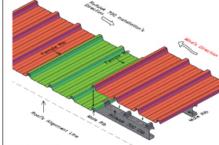
Step 4a

Placed the next roof sheet over the fixing clips with the female rib of the roof sheet which cover the male rib of the previous sheet. Use an alignment wire or string to ensure the roofing sheets are aligned parallel and laterally to the eave channel.



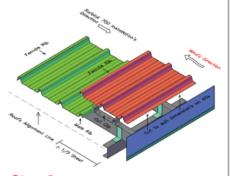
Step 4b

Lock the roof sheet into position by foot pressure on the two centre ribs and female rib of the sheet.



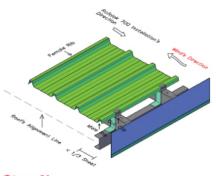
Step 5

Secure the male rib with the next Rofolok 700 fixing clip. Placed the next roof sheet over the fixing clips with the female rib of the roof sheet which cover the male rib if the previous sheet. Use an alignment wire or string to ensure the roofing sheets are aligned parallel and laterally to the eave channel.



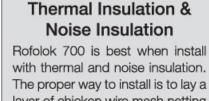
Step 6a

Repeat Step 3 and Step 4 and Step 5 until the roof is fully covered. Should the last sheet of the roof edge is more than 1/3 sheet, cut the sheet along the pan longitudinally and position it as close as possible to the edge and installed as a full sheet. Install any necessary flashing and capping to complete the roofing installations.



Step 6b

The last sheet would be the final sheet if the space between the last sheet and the edge of the roof is less than 1/3 of the sheet. Therefore, the fixing clip is to be cut off (1/3) to secure the sheet. Install any necessary flashing and capping to complete the full roofing installations. Ensure all flashings or cappings are properly installed so as to prevent any rain water penetration or slippage through these connections.



with thermal and noise insulation. The proper way to install is to lay a layer of chicken wire mesh netting over the batten, then lay a layer of aluminium foil followed by a layer of Rockwool or Fiber glass wool, and finally Rofolok 700 roofing sheet on top of all layer.

