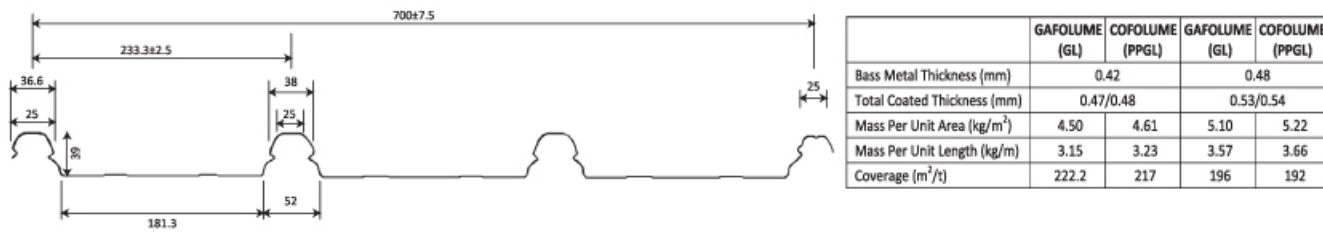


Profile Specification



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.



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)

Color Coating System

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.

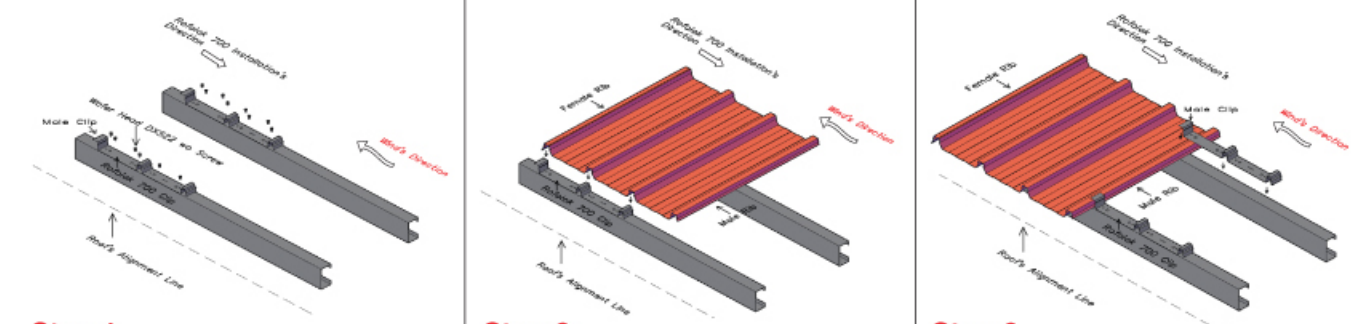
Properties

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

Distribute Load Capacity for Rofolok 700 profile over Continuous Beam

Span (m)	Thickness (mm)	0.42/0.47	0.53/0.54
1.2	Safe Load [kg/m ²]	560	650
	Deflection For Above Load (mm)	4	4
1.6	Safe Load [kg/m ²]	360	400
	Deflection For Above Load (mm)	6	6
1.8	Safe Load [kg/m ²]	240	280
	Deflection For Above Load (mm)	9	9
2.1	Safe Load [kg/m ²]	180	210
	Deflection For Above Load (mm)	12	12
2.4	Safe Load [kg/m ²]	140	160
	Deflection For Above Load (mm)	16	16
2.7	Safe Load [kg/m ²]	105	120
	Deflection For Above Load (mm)	20	20
3.0	Safe Load [kg/m ²]	85	95
	Deflection For Above Load (mm)	25	25
3.3	Safe Load [kg/m ²]	73	83
	Deflection For Above Load (mm)	30	30
3.5	Safe Load [kg/m ²]	60	70
	Deflection For Above Load (mm)	34	34

Installation Procedure



Step 1

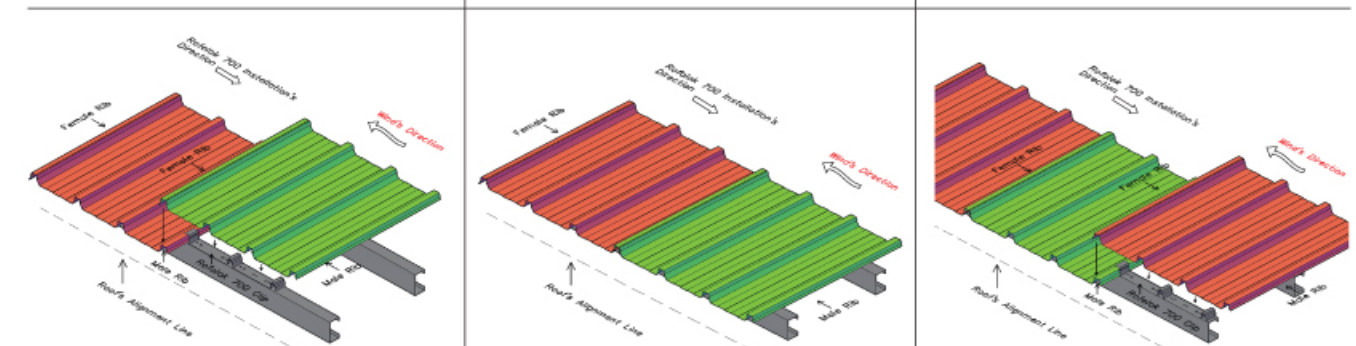
The installation direction of the Rofolok 700 roof sheets shall be ensured opposite of the wind directions. The first row of fixing clip is being aligned longitudinally using a wire or string as an alignment line. The Rofolok 700 fixing clips shall be fastened onto the channel with four Wafer-Head DX522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

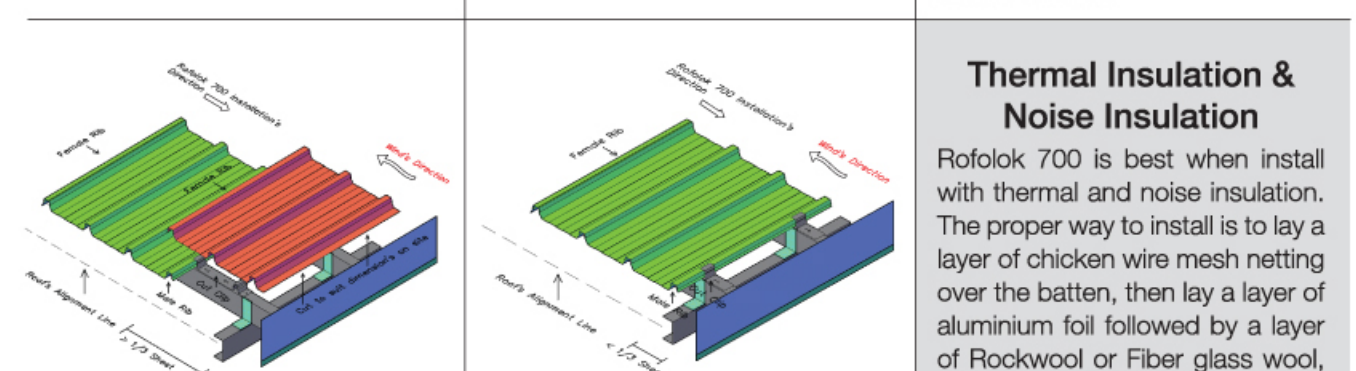
Placed the next roof sheet over the fixing clips with the female rib of the roof sheet which cover the male rib of the previous sheet. Use an alignment wire or string to ensure the roofing sheets are aligned parallel and laterally to the eave channel.

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 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 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.

Thermal Insulation & Noise Insulation

Rofolok 700 is best when install 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 Rockwool or Fiber glass wool, and finally Rofolok 700 roofing sheet on top of all layer.

