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Think Roof, Think Rofo.

欲しい 屋根, 欲しい Rofo

PHIM Regis No. 07020229

Rofoline

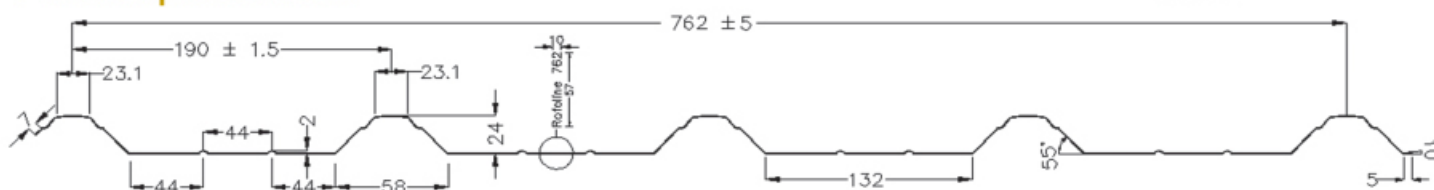
Product Series: RL762

Introduction

Rofoline is almost similar to our product ROFODEK. The design of ROFO line strength has been improve to achieve better strength and long spanning ability compare to the regular 5 ribs profile. Rofo line is economical with 5 rigidly designed ribs providing great strength and coverage.

- Common profile with good spanning ability.
- Suitable for roof and wall cladding in domestic, commercial and industrial buildings. This low cost and high quality product is manufactured locally by means of continuous cold roll forming process using high quality pre-coated steel coils from reputable steel mills.

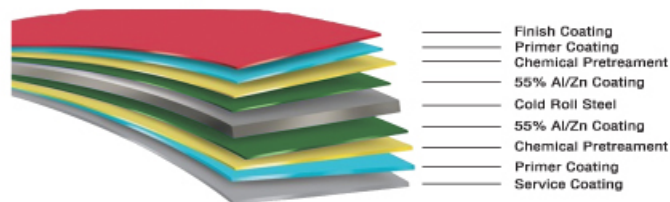
Profile Specification



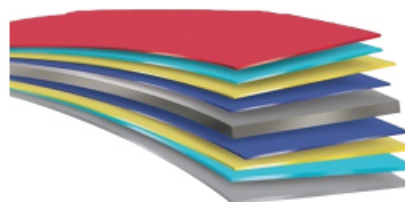
Structure Details

Thickness (Mm)		I1 (mm ⁴)	I2 (mm ⁴)	Sc (mm)	St (mm)	A (mm ²)
BMT	TCT					
0.30	0.35	16074820	20959.1	382.9	379.3	276.1646
0.35	0.40	18752770	24446.6	382.9	379.3	322.1852
0.38	0.44	20359300	26538.4	382.9	379.3	349.7966
0.40	0.46	21430300	27932.7	382.9	379.3	368.2038
0.42	0.48	22501300	29326.7	382.3	379.3	386.6107

Material Specification



Finish Coating
Primer Coating
Chemical Pretreatment
55% Al/Zn Coating
Cold Roll Steel
55% Al/Zn Coating
Chemical Pretreatment
Primer Coating
Service Coating



Finish Coating
Primer Coating
Chemical Pretreatment
Zn Coating
Cold Roll Steel
Zn Coating
Chemical Pretreatment
Primer Coating
Service Coating

The material used for producing Rofo line have gone through numerous international recognized severe test such as Tensile Strength, Salt Spray Resistance, Humidity Resistance, Accelerated Weathering, Chemical Resistance, Hardness, Impact Deformation, Bend Adhesion and Cross Hatch Adhesion test. All the test results attained excellent performance reports in accordance to ASTM Standards. (More Details can refer to The ROFO Product Material Specification Booklet.)

Base Metal Steel : In compliance with JIS G 3312, AS 1397, MS1196 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

Specially formulated lead-free premium quality polyester paint and coated to the steel surfaces using Infra-Red Coating Technology. Both the paint and coating technology provides high color retention and durability.

Special request for PVF series and Elites Series to achieve high SRI values 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 SR and SRI values.
- 100% Environmental friendly- Mercury and Lead Free.



Since 2008

Identification

All the Rofoline manufactured by us have imprinted Product name for identification.

Color and Corrosion Protection Coating

All material used in the producing ROFO line are multi layer coated with a substrate of hot dip zinc and aluminum Zinc coated steel coil. The steel (base metal) can be of difference grade and the coating thickness may vary as per customer need. The base coating provides an efficient corrosion protection in areas where the organic coating is damaged.



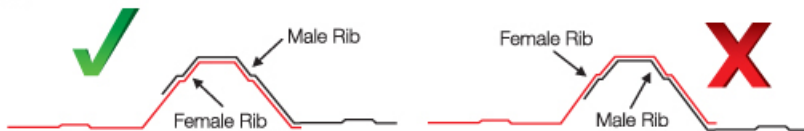
Imprinted Product name for identification purpose

Roofing Pitch

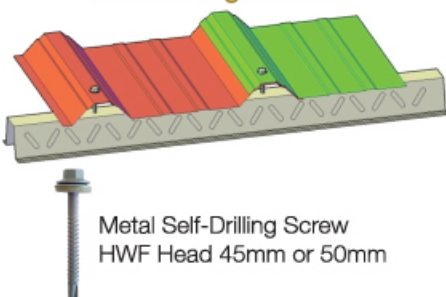
ROFO line is suitable for any roof pitch more than **3 Degree**. For sheet length greater than **30 Meter** the pitch should increased by 1° for every **5 meters** of additional length.

Fixing Detail

Fixing and Overlapping Details – Male and Female

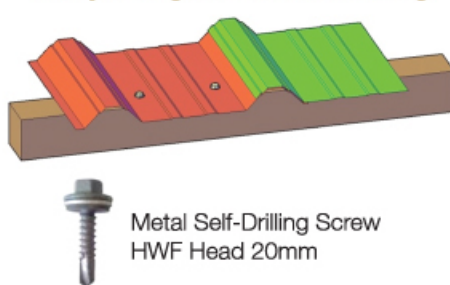


Crest Fixing to Steel



Metal Self-Drilling Screw
HWF Head 45mm or 50mm

Valley Fixing to Timber/Cladding



Metal Self-Drilling Screw
HWF Head 20mm

Crest Fixing to Wood



Wood Self-Drilling
Screw HWF Head
65mm
Galvanized
Treated
2½" Nail

Recommended Fasteners

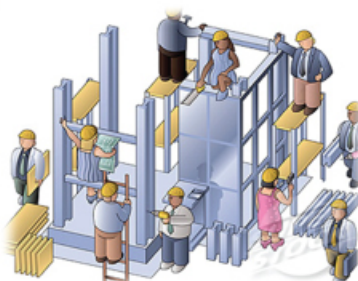
All fasteners must meet the AS3566 Class 3 for roofing and Class 2 for cladding. Alternatively, is High Carbon Steel ASTM 548 Grade 1022 zinc plating or ruspert coated are acceptable.

Steel framing (up to 5mm thickness):

- Crest Fixed - No. 12 x 45 Hex Head Self Drilling Screw with neoprene washer.
- Valley Fixed - No. 10 x 16 Hex Head Self Drilling Screw with neoprene washer.

Timber Framing (Hardwood):

- Crest Fixed - No. 12 x 65 Hex Head Type 17 Self Drilling Wood Screws with neoprene washer.
- Valley Fixed - No. 12 x 40 Hex Head Type 17 Self Drilling Wood Screws with neoprene washer.



Side Lap Fasteners

Side lap stitching screws are added at the mid span of the sheets for support frame spacing over 900mm for roofs and 1200mm for walls so as to ensure full weather proofing. Use No 8 x 12 Hex Head Type S Self Drilling Screw with neoprene washer or sealed with blind rivets.

Methods of Fixing

Roofs – Piece fix through crests using 1 fastener through every rib at every support (4 fasteners per sheet).

Walls – Crest fixing as for roofs or Valley fixing can be used.

Valley fixing required 1 fastener beside every rib at every support (4 fasteners per sheet).

If valley fastening is used, side lap fasteners must be added beside each main fastener.

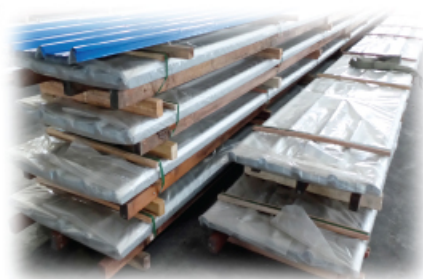


Photo show that finished Rofoline packed in Bundle is ready for the Delivery.

Maximum Support Spacing Table

Total Coating Thickness (mm)	Mass (kg/m²)	Area (m²/mt)	Width of Coverage (mm)	Max, Allowable Spacing Support						Max. of Overhang stiffened (mm)
				Roofs			Walls			
				Single Span (mm)	End Span (mm)	Internal Span (mm)	Single Span (mm)	End Span (mm)	Internal Span (mm)	
±0.48 HT	4.31	±232	762	1100	1350	1700	1650	1750	2200	200
±0.44	3.82	±262	762	950	1150	1500	1500	1600	2050	125
±0.40	3.55	±282	762	850	1050	1300	1400	1500	1950	125
±0.35	3.09	±324	762	700	850	1000	1350	1450	1900	100

HT = High Tensile Steel (550Mpa). This is recommended under non cyclonic area with conditions as per AS1170.

Manufactured by:



Kina Roof Industries (Sabah) Sdn. Bhd. (067221-X)
Rofofor You Marketing Sdn. Bhd. (1030310-X)

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