



PHIM Regis No. 07020229

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SABAH INDUSTRY
EXCELLENCE AWARD 2009

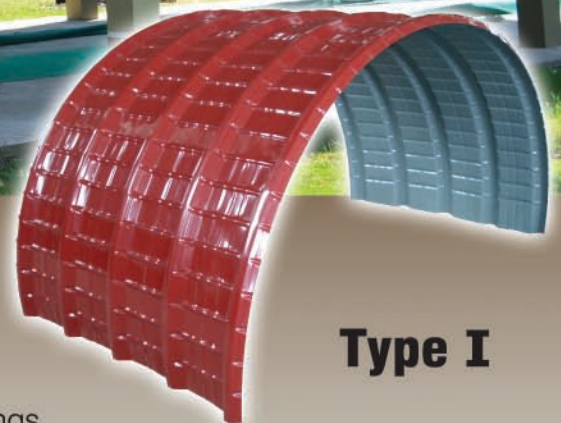
Rofodek - Curve

Product Series: RDCI

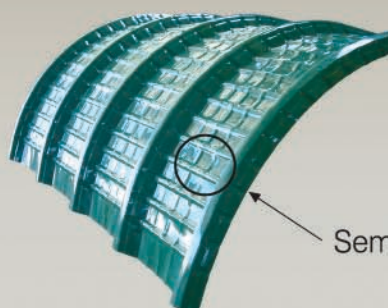


► Advantages:

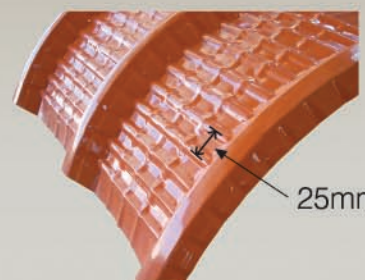
1. Innovative and Creative Architectural design.
2. Variable Curvatures
3. Adaptable for different tensile strength material.
4. Rigidity of crimp, resulting to less structural support and cost savings.
5. Reduction of flashing and capping.



Type I



Semi-Circular Shape



25mm

6. Semi-circular tooling design prevents material defects during forming.
7. Minimum Crimp Pitch of 25mm.

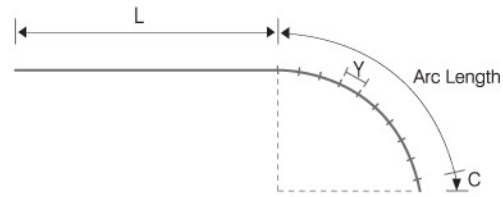
Introduction

Rofodek Curve Type I (RDCI) roof is an innovative concept of curved sheeting which allows free innovative and creative design in Metal architecture. The profile is developed to provide versatility and creativity in new and refreshing design to Commercial, Residential and General Public Facilities buildings, like Bus Station, Canopy, Car Park, School and etc..

The profile support architects and designers to express their unique building designs. Various different grade and strength of material suitable for Rofodek Curve forming.

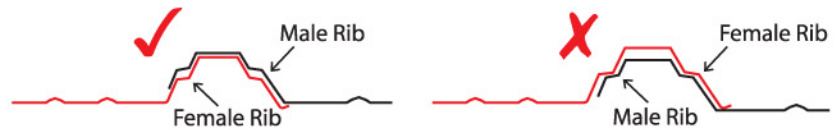
Product Data and Specification

Minimum Crimp Pitch (Y)	: 25mm
Minimum Radius of curvature	: 250mm
Minimum length at end curve (C)	: 25mm
Minimum Length at end Curve (L)	: 250mm
Maximum Length(Arc length)	: up to 13m
Maximum Material Thickness	: 0.30mm (BMT) / 0.36mm (TCT)

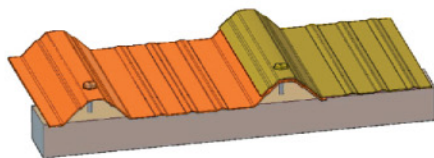


Fixing Details

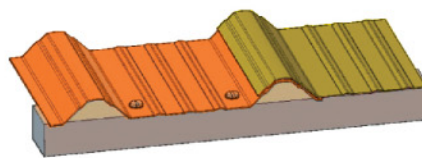
Fixing and Overlapping Details - Male and Female



Crest Fixing to Timber



Valley Fixing to Timber/Cladding



Crest Fixing to Steel



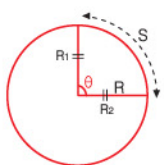
AS3566 Class 3
Metal Self-Drilling Screw
HWF Head 50mm for roofing
20mm for cladding



**Nail or Screw Must Not
Be Over Tighten**



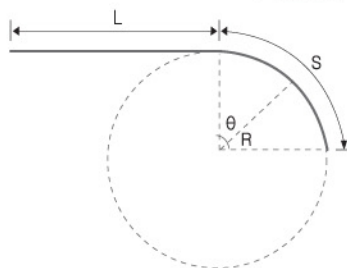
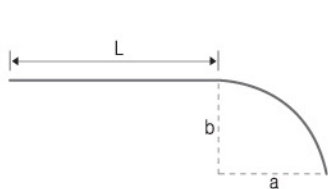
Curve Calculation and Measurement



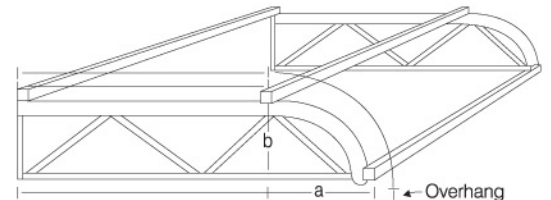
When $R_1 = R_2 = \text{Radius of Circle}$

Rofo Crimp Curve Roofing Estimation Guide Calculus Formula

$S = R\theta$
S = Arc Length
 θ = Degree of the Arc Length in (rad unit)
R = Radius
1 radian = 57.296°



$$S = R\theta$$

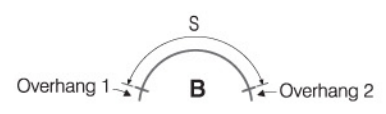


Information of a, b require for calculation the Radius of Arch length
(a, b dimensions need to including the batten size)

Overhang

For A Total Length = $L + S + \text{Overhang 1}$

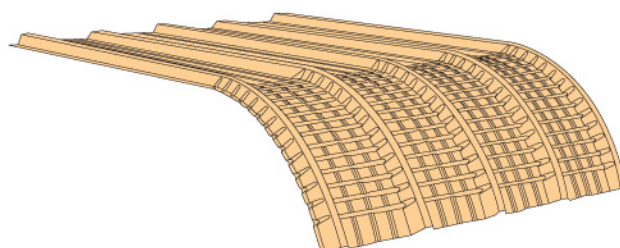
For B Total Length = $L + S + \text{Overhang 1} + \text{Overhang 2}$



Information and dimensions (a) and (b) must be provided by Customer; in order to calculate the curvature radius to produce.

How to order?

1. End curve Type I Feature



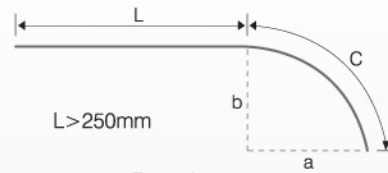
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Option 1

To assisting our Customer to determine the various curvature options available, we are providing some of the standard End Curvature for your selection. These sizes are available from our sales office prior to the framework fabrication. We do have C=9", 12", 16", 18", 24", and 36" for standard end curve and arc length.

The following information is some examples for ordering purpose:

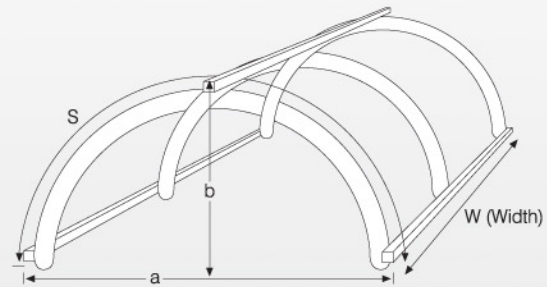
- Arch Length or Curve Path Length(C) including overhang
- No of Crimps
- Distance Of a, b
- Thickness and Gauge of Material.
- Dimension of overhang



Drawing 1

Option 2

- For curvatures not mentioned on the above option #1, please provide the following dimensions and ensure that the spacing of battens are included. (Refer drawing 1)
- For Rofodek Full Curve Profile (Type I), to provide the following dimensions: (A); (b) and (s) including overhang. (Refer drawing 2)



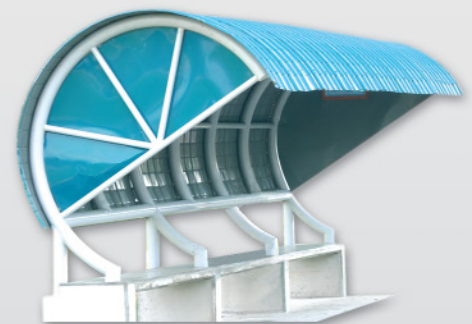
Drawing 2

By providing the dimensions of a, b; and W(Width) we will be able to calculate number of pieces and provide the estimated prices.

Some of the common usage of Rofodek Curve Roof and it's applications:



Awning



Bus Stop



Shopping Mall



Academic Institution



Car Park

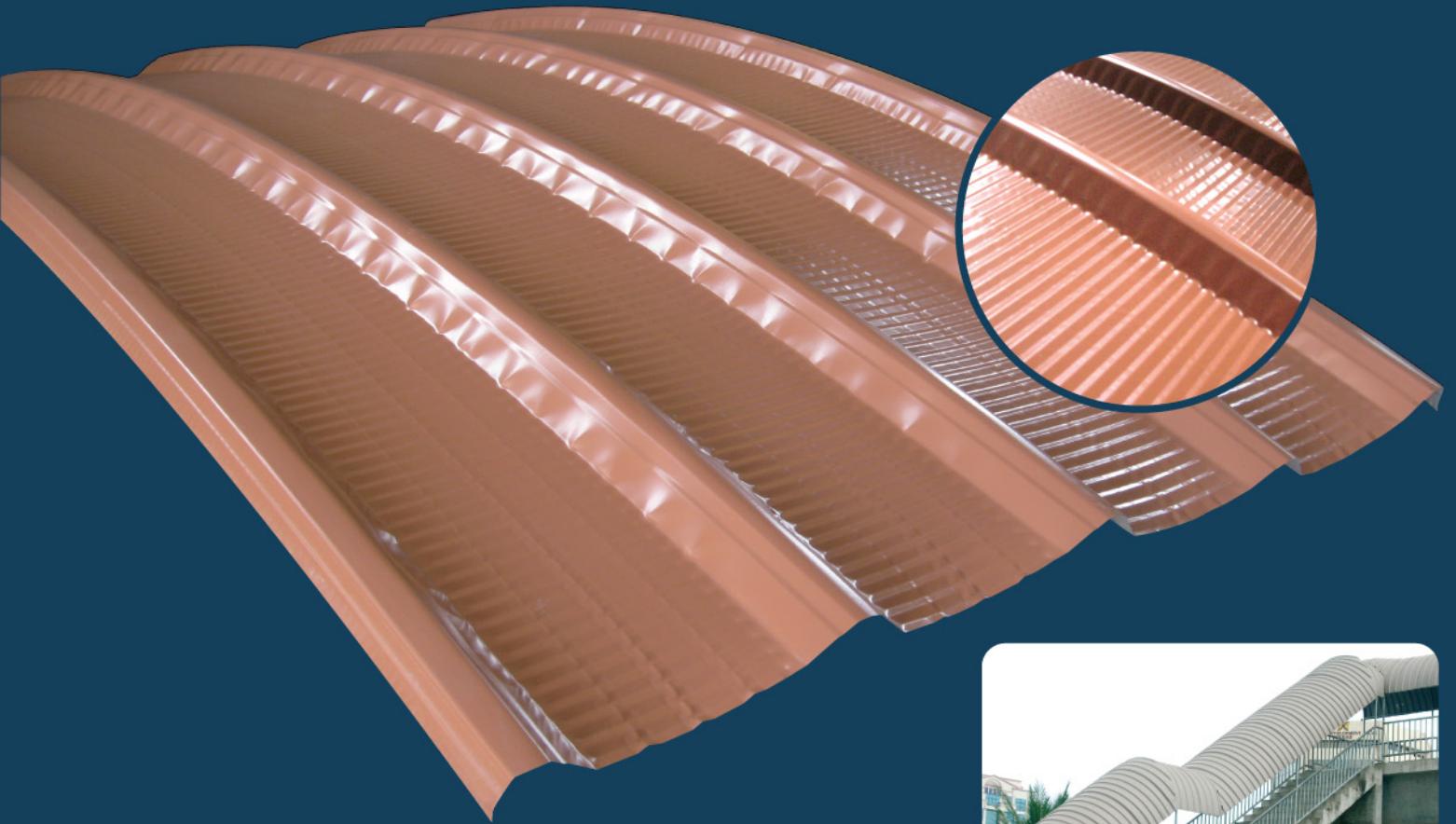


School Assembly Hall



Rofodek Full Curve Type II

Product Series: RFCII



Maximum Radius (Limitation due to transportation)
Minimum Arc Length: 610mm
Various Tensile Strength Material.
Material Thickness

Design Information

The radius of Curve is governed by

1. Crimping Pitch
2. Material Thickness
3. Yield and Tensile Strength of Material.



General Information

Our machine which is portable and able to do crimping at site to reduce the transportation and handling cost.

Manufactured by:



Kina Roof Industries (Sabah) Sdn. Bhd. (667221-X)

Lot 9, Jalan 2A, KKIP Timur, IZ8A, 88460 KKIP, Kota Kinabalu, Sabah, Malaysia.

Mailing Address:

P.O. Box 96, Pejabat Pos Mini, 88450 Telipok, Sabah, Malaysia.

Tel : 088-498 333, 088-494 333, 0168622323 Fax : 088-499 933/014 699 4076

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

Lot 3610, Jln Maigold, Taman Desa Senadin, Shophouse, 98100 Miri, Sarawak, Malaysia.

Tel: 085-491 288 Fax: 085-661387



Packing

Either concave or convex depends on the Arc length and delivery method.

Site Handling

Hold it properly to avoid it twist or damage.

