

*Quality makes  
a Difference*

# ZIN PLUS

3 in 1 SERIES

cool & comfortable

EXCLUSIVE DESIGN

REDUCE NOISES

HEAT RESISTANT

ZIN ROOFING PROFILE

POLYETHYLENE FOAM (P.E.)

ALUMINIUM FOIL (A.F.)

## Introduction :

**ZIN PLUS 3 in 1 SERIES** which is applicable to **ZinDek**, **ZinSpan**, **ZinEverroof** and **ZinCurve**, is created with its astonishing design and multiple advantages. Its extra double layer of **Expanded Polyethylene Sheet (E.P.E.)** and **Aluminium Sheet (A.F.)** has a proven remarks of creating cooler admosphere and reducing raindrop noises. A greater lighting effect is an added advantage as the aluminium sheet serves to reflect lighting flares.

**Polyethylene (P.E.)** is a thermal plastic material which can be recycled. Polyethylene foam is manufactured without the use of ozone depleting chlorofluorocarbons (CFC's) or hydro-chlorofluorocarbons (HCFC's). In any case of burnt, polyethylene changes into non-polluting substances; carbon dioxide, water and wax.

## Main Advantages :

- Strong heat resistant system
- Reduce raindrop noise
- classy look and increase lighting system
- Save extra labour cost
- Save insulation plate

## Material Used :

1. Polyethylene Foam (PE) : Thickness 2.5mm - 4.0mm
2. Aluminium Film (AF) : 25 macron
3. Adhesive : Indissoluble Synthetic Rubber Glue



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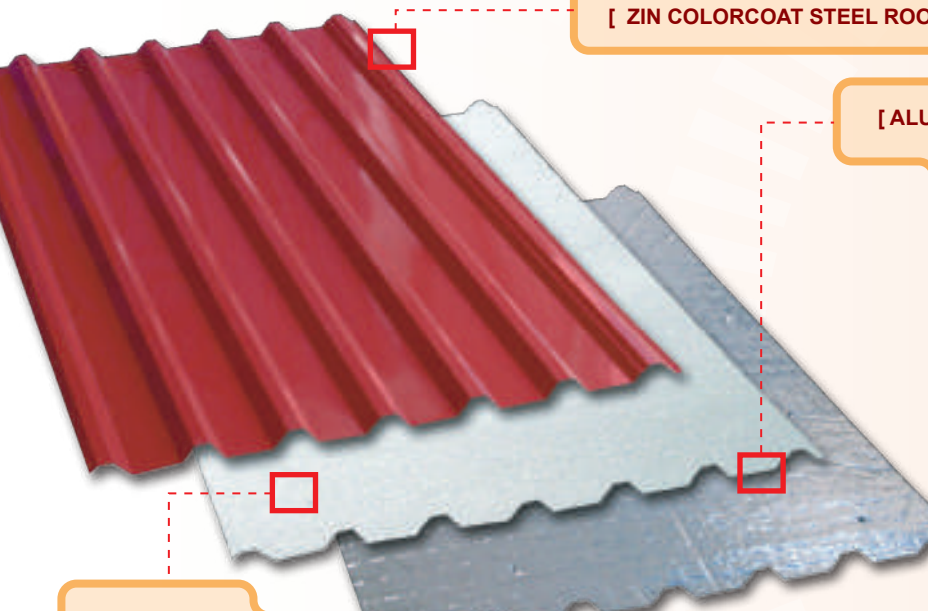
( 353578-M )



Cert. No: KLR 0500024



## PROFILE DIAGRAM



[ ZIN COLORCOAT STEEL ROOFING / ALUMZINC ]

### [ ALUMINIUM SHEET ] (A.F.) / (E.P.E.)

Color	- Aluminum / White
Specific Gravity (foam)	- 0.03 - 0.04
Bulk Density (foam)	- 30 kg/m <sup>3</sup> - 40 kg/m <sup>3</sup>
Tensile Strength (foam)	- ASTM D638: 0.39 N/mm
Elongation (foam)	- ASTM D638: 58 to 70%
Tear Strength (foam)	- ASTM D1004: 25N
Compression Resistance (foam)	- ASTM D3574: 0.03 - 0.06 N/mm <sup>2</sup>
Rebound Resistance (foam)	- ASTM D3574: 50%
Chemical Resistance, Hcl (24hrs)	- ISO 175E: +3% by weight
Chemical Resistance, H <sub>2</sub> SO <sub>4</sub> (24hrs)	- ISO 175E: +4% by weight
Temperature Range	- -20 degC to 92 degC
Melt Point (foam)	- 110 degC
Percent Volatile	- Nil
Vapor Density	- Not Volatile
Water Absorption (7 days)	- +1% by volume
Hazardous Ingredients	- None
Family / Chemical Name	- Aluminum / Polyethylene

### [ EXPANDED POLYETHYLENE SHEET ] (E.P.E.)

Material : LDPE#107#1001	Density : 0.033-0.04g/cm <sup>3</sup>	Breakdown : TIO <sub>2</sub> - 0.23%
Color : White	Foam Ratio : 25-30 times	LDPE - 98.57%
		EMB - 0.2%
		TALC - 1%

## ACCESSORIES

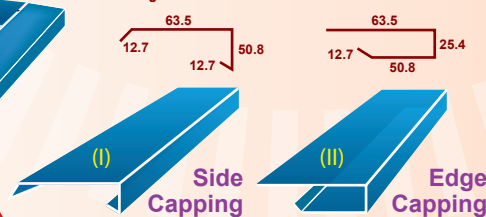
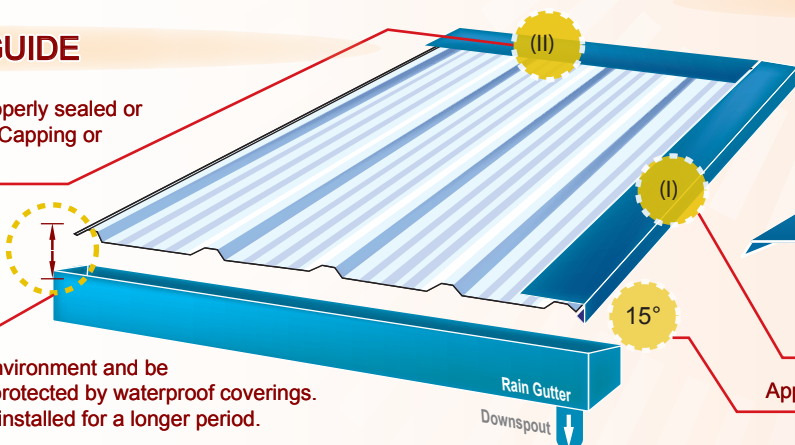
Note : All measurements are in millimeters (mm)  
The drawings do not follow exact ratio and are for reference only

## INSTALLATION GUIDE

Higher edge should be properly sealed or covered with either Ridge Capping or Edge Capping (II)

Create bigger allowance between roofing edge and Rain Gutter to avoid water capillary effect

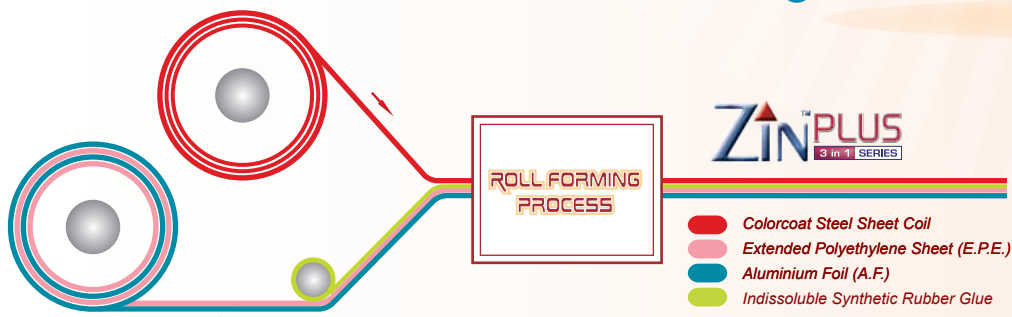
Always keep in dry cool environment and be stacked clear off ground, protected by waterproof coverings.  
Not advisable to be left uninstalled for a longer period.



Apply Side Capping (I) on both ends to prevent exposure to rain water

Application to roof pitch above 15°(degree) only

## PRODUCTION PROCESS



ZINdek PLUS  
ZINspan PLUS  
ZINeverroof PLUS  
ZINcurve PLUS

## OTHER PRODUCTS



RE-CYCLE



BUATAN MALAYSIA

Distributor: