

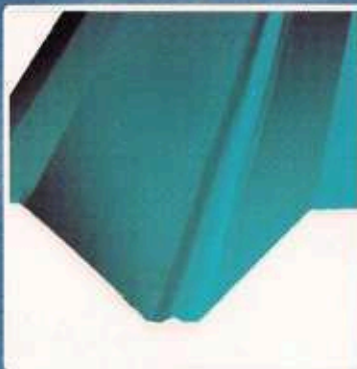
Practically everything you wanted in a roof.

**Colorbond®**

# MEGADEK

**STRONGER**

80,000 psi  
tensile strength



**WIDER**

at 915 mm  
effective coverage,  
the widest V-profile



**LONGER-LASTING**

Substrated on GALVALUME 55,  
guaranteed to outlast G.I.  
roofs by 3 to 9 times.

The 1st choice  
among manufacturing  
and industry giants.



**IMPORTANT NOTICE**

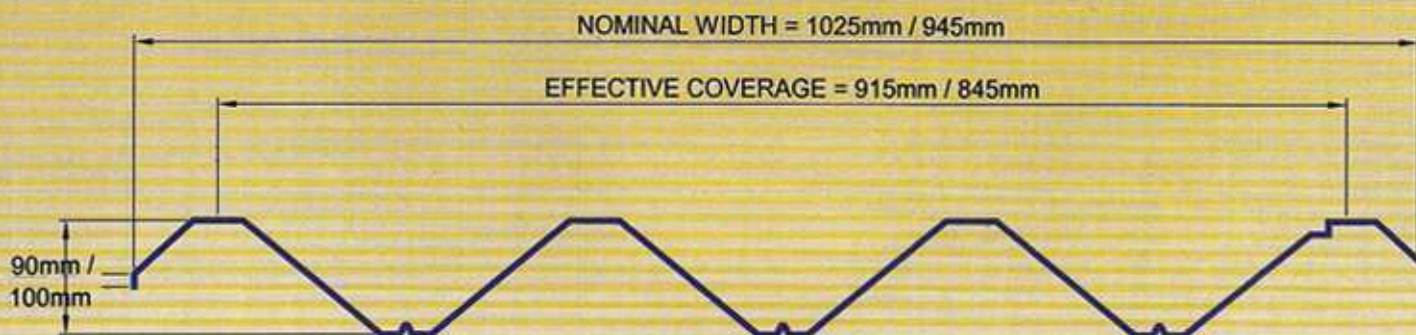
Buyers and end-users of **Megadek** which are procured from sources not authorized by **PHILMETAL** are forewarned that they are also criminally and civilly liable for infringement of copyright once the copied **Megadek** roofing is utilized, used and displayed for public view.

Section 217 of the Intellectual Property Code penalizes infringement with imprisonment from 1 to 9 years plus a fine of P50,000.00 up to P1,500,000.00.



Color may vary from actual product

## CROSS - SECTION



We can also supply 75mm RIB HEIGHT, Section properties and other technical details available upon request

## GENERAL PRODUCT INFORMATION

**BASE METAL TYPE :** Cold Rolled Steel; 550 MPa (80,000psi), 275 MPa (40,000psi)

**SUBSTRATE :** GALVALUME 55™; Aluminum-Zinc alloy-coated steel complying with ISO 9364. Also available in GALVABOND™; Lock Forming Quality (PNS 67: 1986)

**PAINT COATING :** STANDARD  
Double oven-baked epoxy primer and high-grade polyester finish.

### COATING

Top: Total of 25 microns  
Finish Coat: 20 microns  
Primer Coat: 5 microns  
Bottom: Total of 10 microns  
Backing Coat: 5 microns  
Primer Coat: 5 microns

### OPTIONAL

Premium Fluorocarbon (PVDF) paint finish on top of corrosion-resistant epoxy primer.

**SALT SPRAY TEST RATING** Class 1000 hours (passed 1000 hours of continuous exposure as per PNS 201: 1990), the only pre-painted V-shaped product in the market to have passed class 1000 rating.

**AVAILABLE THICKNESSES:** 0.50 mm to 0.80mm

**LENGTH :** Up to 13 m. Factory-cut-to-lengths are available provided satisfactory transport and on-site handling can be arranged.

**ON-SITE ROLL-FORMING CAN BE ARRANGED AT MINIMAL CHARGES**

**WIDTH :** Nominal Width = 1040mm  
Effective Coverage = 915mm

**RAINFALL CAPACITY :** Roofs in single sheet lengths without laps, 3° MEGADEK can drain off a rainfall intensity of 675 mm/hr over a total run-off length, including expansion joints of 6000mm.

**APPLICATIONS :** Roofing and Walling

**STANDARD COLORS:** Pacific Blue, Samar Beige, Spanish Red, Tile Red, Laguna White and Baguio Green. Special colors are available upon request.

**(THICKER ZINC AND PAINT COATINGS AS WELL AS LONGER SPANS CAN BE ARRANGED)**

**MAXIMUM SUPPORT SPACING OF MEGADEK FOR ROOFING**

**END SPANS** 7'3" (2200 mm)  
**INTERNAL SPANS** 8'3" (2500 mm)

## MEGADEK SECTION PROPERTIES

Thickness	Area		I <sub>x</sub>		S <sub>TOP</sub>		S <sub>BOT</sub>		Y <sub>TOP</sub>		Y <sub>BOT</sub>	
	mm	mm <sup>2</sup>	in <sup>2</sup>	mm <sup>4</sup>	in <sup>4</sup>	mm <sup>3</sup>	in <sup>3</sup>	mm <sup>3</sup>	in <sup>3</sup>	mm	in.	mm
0.50	631.69	0.298	395958	0.290	9092	0.170	8524	0.158	43.55	1.71	46.45	1.83
0.60	758.03	0.358	475149	0.348	10923	0.204	10218	0.190	43.50	1.71	46.50	1.83
0.80	1010.71	0.478	633532	0.464	14598	0.271	13595	0.254	43.40	1.71	46.60	1.83

## 0.50 mm

SPAN BETWEEN SUPPORTS	mm	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550
<b>LOAD</b>	psf	318	244	192	156	129	108	92	79	69	61	54
<b>DEFLECTION</b>	in.	0.12	0.15	0.19	0.24	0.29	0.35	0.40	0.47	0.54	0.62	0.72
<b>L / 240</b>	psf	465	311	218	159	119	92	72	58	47	38	32
<b>L / 360</b>	psf	310	208	146	106	80	62	48	39	32	26	22

## 0.60 mm

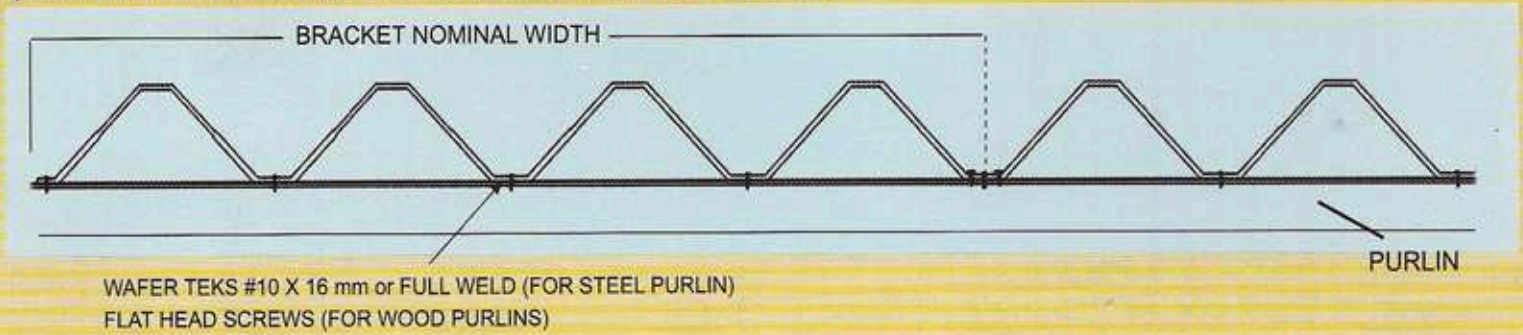
SPAN BETWEEN SUPPORTS	mm	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700
<b>LOAD</b>	psf	383	293	231	187	155	130	111	95	83	73	65	57
<b>DEFLECTION</b>	in.	0.12	0.15	0.19	0.24	0.29	0.35	0.41	0.47	0.54	0.61	0.70	0.77
<b>L / 240</b>	psf	558	373	262	191	143	110	87	69	56	46	38	32
<b>L / 360</b>	psf	372	249	175	128	96	74	58	47	38	31	26	22

## 0.80 mm

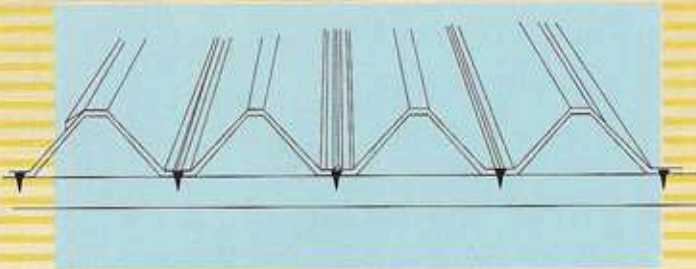
SPAN BETWEEN SUPPORTS	mm	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000
<b>LOAD</b>	psf	341	261	206	167	138	116	99	85	74	65	57	51	46	41
<b>DEFLECTION</b>	in.	0.08	0.10	0.13	0.16	0.19	0.23	0.27	0.31	0.36	0.41	0.46	0.52	0.58	0.63
<b>L / 240</b>	psf	744	498	350	255	191	147	116	93	75	62	51	43	37	31
<b>L / 360</b>	psf	496	332	233	170	128	98	77	62	50	42	35	29	25	21

## INSTALLATION PROCEDURES

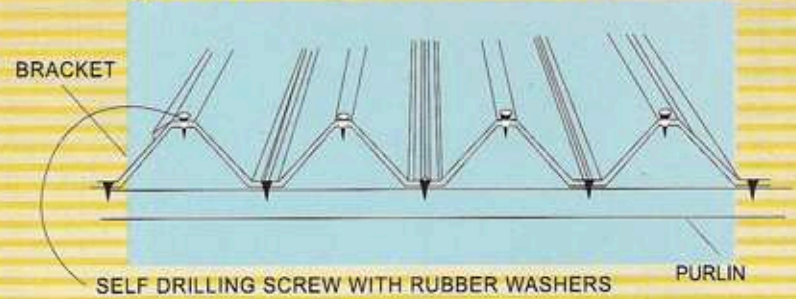
### A) MOUNTING/FASTENING BRACKET ONTO PURLINS



### B) MOUNTING MEGADEK ONTO BRACKET



### C) FASTENING MEGADEK ONTO BRACKET



## MEGADEK BRACKET LAYOUT

