



**APO**  
**COLOR ROOF**



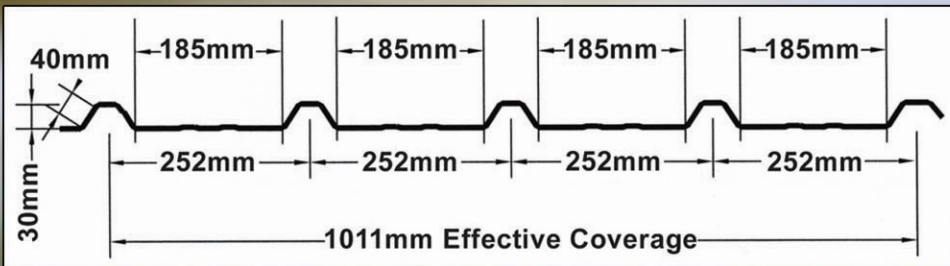
# EPR



**THE MOST  
ENDURING  
HIGH RIB  
PROFILE**



**Wilcon Builders Depot**  
San Pablo, Laguna



All APO products are manufactured in the first ISO-Certified CGL-NOF plant. World-class quality products produced in a world-class facility by quality-oriented people.



NOTE: Actual colors may vary from the swatches shown above.

Manufactured by:



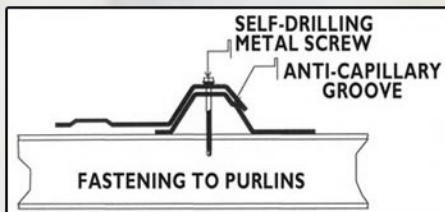
**The Country's Pioneer World-Class  
Galvanizing Company**

## General Product Information

<b>SUBSTRATE:</b>	COLD ROLLED STEEL - complying to JIS G 3141 SPCC coated with GALFAN, the eutectic mixture of zinc and aluminum (95/5), complying to ISO 14788, commercial quality.		
<b>NOMINAL THICKNESS AVAILABLE:</b>	0.4mm, 0.5mm, 0.6mm		
<b>TENSILE STRENGTH:</b>	Full Hard = 80,000 psi or 550 Mpa (Maximum)	Annealed = 40,000 psi or 275 Mpa (Minimum)	
<b>NOMINAL WIDTH:</b>	1105mm		
<b>EFFECTIVE COVERAGE:</b>	1011mm		
<b>PAINT COATING SYSTEM:</b>	1. Conversion Coating 2. Primer Coat 3. Top Coat 4. Washcoat or Service Coat The paint is oil free polyester, oven baked to achieve full curing to satisfy the requirements of both PNS and JIS Standards.		
<b>STANDARD COATING:</b>	Top Coat 15 - 18 Microns	Primer Coat 5 - 7 Microns	Service Coat 5 - 7 Microns

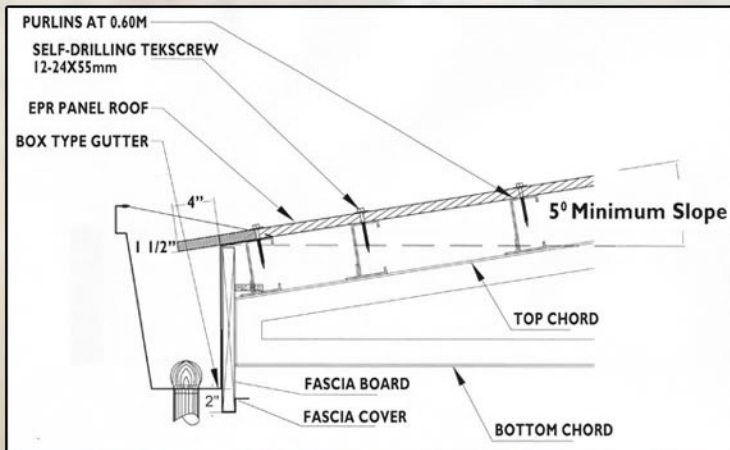
## Installation Procedures

For quality finished result installation, ensure that faces of all steel or wood purlins are in one plane and levelled. It is recommended that the laying of panels start on the opposite direction of prevailing monsoon wind. Installed roofing panels and accessories should be cleaned from metal filings, rivet shanks, nails, screws, nuts and other metallic particles.



Note: Due to continuing product development, product specifications are subject to change without prior notice.

## Minimum Slope Requirement



## Handling and Storage

Panels and accessories should be piled over wooden support at least 100mm from the ground level and with a minimum inclination of 10°. Sheets can be transferred from the staging area to roof work area by hand one at a time using nylon rope or G.I. guidewire. To preserve the finish surface, and for personal safety, sheets should be handled wearing clean dry gloves as much as possible.

For inquiries, please contact:

## Technical Properties

THICKNESS (mm)	AREA (mm <sup>2</sup> )	MOMENT OF INERTIA (MM <sup>4</sup> )	SECTION MODULES (TOP) (MM <sup>3</sup> )	SECTION MODULES (BOTTOM) (MM <sup>3</sup> )	RESISTING MOMENT KN-M	Y <sub>1</sub> (MM)	Y <sub>2</sub> (MM)
.40	372	55,650	2919	5601	.806	19.064	9.936
.50	462	71,580	3735	7277	1.004	19.164	9.836
.60	558	82,823	4348	8324	1.20	19.05	9.95

## Total Allowable Load in KN/M<sup>2</sup>

THICKNESS (mm)	PURLIN SPACING (M)	.70	1.00	1.20	1.35
.40	Due to L/360 deflection	11.28	3.21	2.24	1.57
	Due to L/240 deflection	17.07	4.78	3.36	2.35
	Due to L/180 deflection	22.71	6.38	4.51	3.15
	Due to L/120 deflection	4.58	9.56	6.73	4.72
.50	Due to L/360 deflection	13.97	3.97	2.77	1.94
	Due to L/240 deflection	21.15	5.92	4.16	2.91
	Due to L/180 deflection	28.13	7.90	5.58	3.90
	Due to L/120 deflection	42.84	11.84	8.34	5.85
.60	Due to L/360 deflection	16.75	4.76	3.32	2.34
	Due to L/240 deflection	25.35	7.09	4.99	3.49
	Due to L/180 deflection	33.72	9.48	6.69	4.676
	Due to L/120 deflection	51.35	14.198	9.987	7.014

Manufactured by:

### PUYAT STEEL CORPORATION

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