The basic in roofing... exemplified

Colorbond®

ECONOCORR™

ECONOMY.
Widest profile at 1030 mm effective coverage.
Greater roofing area with panels.
Huge savings on panel cost.

DURABILITY.
Subtrated on Galvalume 55, the most popular aluminum-zinc coating system that is guaranted to outlast GI roofs by 3 to 9 times.

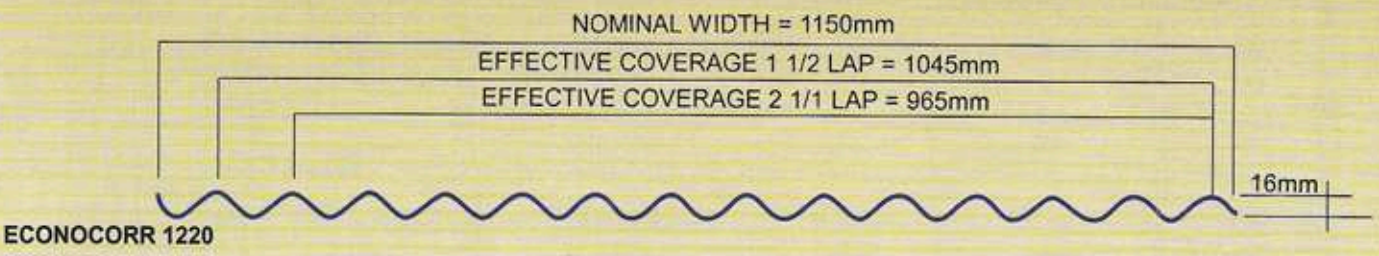
STRENGTH.
Made of hard steel for superb structural integrity.
80,000 psi tensile strength making possible an economical 1 meter purlin spacing.

Philmetal

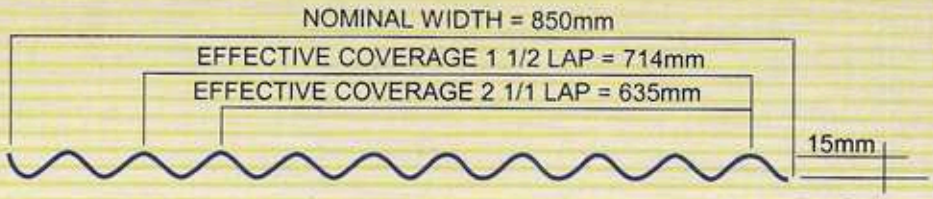
ECONOCORR™

The basics in roofing... exemplified!

CROSS-SECTION



ECONOCORR 1220



ECONOCORR 915

GENERAL PRODUCT INFORMATION

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

SUBSTRATE : GALVALUME 55™; Zinc-Aluminum-alloy coated steel complying with ASTM A792. 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 corrugated- type product in the market to have passed class 1000 rating.

AVAILABLE THICKNESSES: 0.40 mm to 0.80mm

LENGTH: Long span

ON-SITE ROLLFORMING CAN BE ARRANGED AT MINIMAL CHARGES

WIDTH :

Feed Width	Nominal Width	Effective Width	
		1 1/2 lap	2 1/2 lap
915mm	850mm	714mm	635mm
1220mm	1132mm	1030mm	950mm

RAINFALL CAPACITY: Roofs in single sheet lengths without laps, 14°. ECONOCORR can drain off a rainfall intensity of 370 mm/hr over a total run-off length, including expansion joints of 13500mm

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)

ECONOCORR 1220 SECTION PROPERTIES

Thickness	Area		Ix		S_{TOP}		S_{BOT}		Y_{TOP}		Y_{BOT}	
mm	mm^2	in^2	mm^4	in^4	mm^3	in^3	mm^3	in^3	mm	in.	mm	in.
0.40	415.91	0.196	11685	0.009	1429	0.028	1429	0.028	8.00	0.31	8.00	0.31
0.50	532.36	0.252	14957	0.011	1819	0.034	1819	0.034	8.00	0.31	8.00	0.31
0.60	639.31	0.302	17961	0.013	2172	0.040	2172	0.040	8.00	0.31	8.00	0.31
0.80	876.97	0.414	24638	0.018	2924	0.055	2924	0.055	8.00	0.31	8.00	0.31

0.40 mm

SPAN BETWEEN SUPPORTS	mm	600	750	900
LOAD / DEFLECTION	psf / in.	230 / 0.29	147 / 0.46	102 / 0.66
L / 240	psf	77	39	22
L / 360	psf	52	26	15

0.50 mm

SPAN BETWEEN SUPPORTS	mm	600	750	900
LOAD / DEFLECTION	psf / in.	280 / 0.29	179 / 0.46	124 / 0.66
L / 240	psf	94	48	28
L / 360	psf	63	32	19

0.60 mm

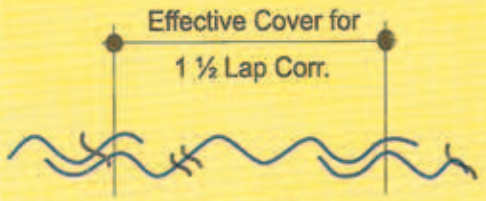
SPAN BETWEEN SUPPORTS	mm	600	750	900	1050
LOAD / DEFLECTION	psf / in.	329 / 0.29	210 / 0.45	146 / 0.65	107 / 0.89
L / 240	psf	111	57	33	20
L / 360	psf	74	38	22	14

0.80 mm

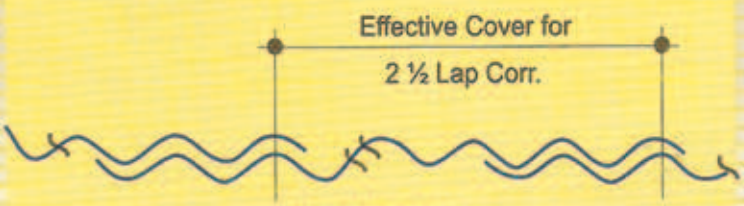
SPAN BETWEEN SUPPORTS	mm	600	750	900	1050
LOAD	psf / in.	226 / 0.14	145 / 0.23	100 / 0.32	74 / 0.44
L / 240	psf	154	79	45	28
L / 360	psf	103	53	31	19

Note : Smallest value governs.

PANEL SIDE LAP DETAILS



1 1/2 Side Laps



2 1/2 Side Laps

FASTENER TYPE

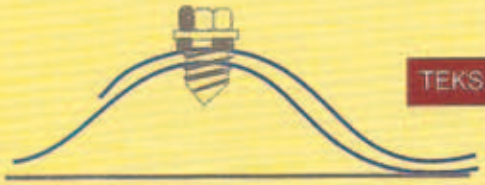
CREST FASTENING TO TIMBER

TEKS # 12-11 X 50mm

CREST FASTENING TO STEEL

TEKS # 12-24 X 35mm

SIDE LAP AND FLASHING FASTENERS



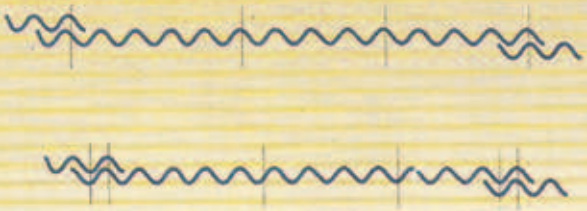
TEKS # TYPE S No. 10-16mm

FASTENER LOCATION

For Roofs: ECONOCORR is fastened to supports through the crest of the corrugations.

For Walls: ECONOCORR can be fastened through the crest or the valley corrugations.

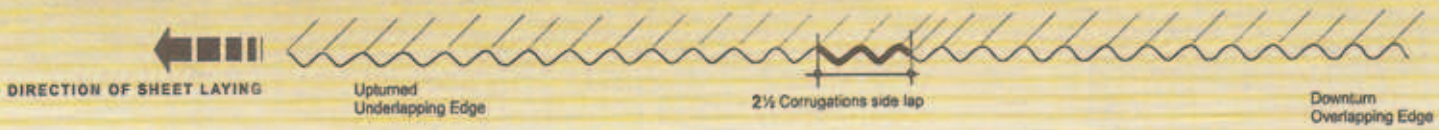
DIRECTION OF SHEET LAYING



Side Lap Fasteners:
Lap fasteners are recommended to hold the side laps of ECONOCORR firmly together and maintain a completely weatherproof lap on applications which are subjected to occasional roof traffic. Lap fasteners are located in the crest of the corrugation at every purlins.

Side lap fasteners location at midspan between supports.
Valley fastened ECONOCORR walling requires side lap fasteners over each support. Alternatively, a crest fastener can be used at each side lap in lieu of the adjacent valley fastener.

SHEET LAYING PROCEDURE



Philmetal

SteelFrame PHILIPPINES INC.

PHILSTEEL VENTURES INCORPORATED

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