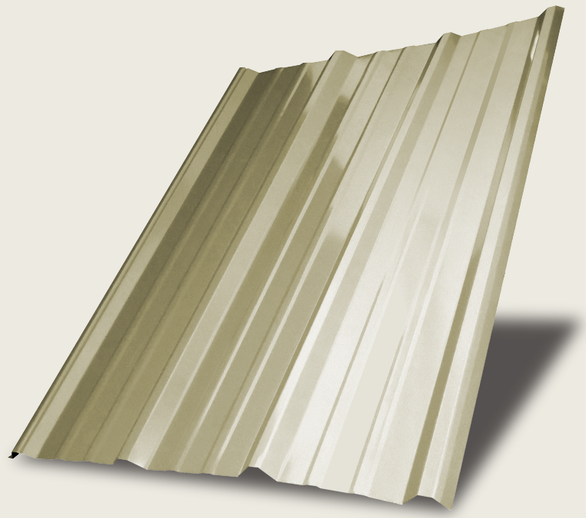
ALSO AVAILABLE

Colorbond®

DURAWIDE®





DURAWIDE® SECTION PROPERTIES

THICKNESS	WEIGHT	AREA		Ix		STOP		SBOT		YTOP		YBOT	
mm	kg/m²	mm²	in²	mm⁴	in⁴	mm³	in³	mm³	in³	mm	in.	mm	in.
0.40	3.02	388.53	0.184	26531.1	0.019	1567	0.028	4371	0.079	16.93	0.667	6.07	0.239
0.50	4.01	518.04	0.245	35374.9	0.026	2096	0.039	5780	0.108	16.88	0.665	6.12	0.241
0.60	4.90	635.77	0.300	43414.6	0.032	2580	0.048	7036	0.132	16.83	0.663	6.17	0.243

0.40mm

SPAN BETWEEN SUPPORTS	mm	600	700
LOAD / DEFLECTION	psf / in.	173 / 0.11	127 / 0.14
L / 240	psf	160	101
L / 360	psf	107	67

0.50mm

SPAN BETWEEN SUPPORTS	mm	600	700	800
LOAD / DEFLECTION	psf / in.	159 / 0.07	117 / 0.1	89 / 0.13
L / 240	psf	219	138	92
L / 360	psf	146	92	62

0.60mm

SPAN BETWEEN SUPPORTS	mm	600	700	800	900
LOAD / DEFLECTION	psf / in.	196 / 0.07	144 / 0.1	110 / 0.13	87 / 0.16
L / 240	psf	270	170	114	80
L / 360	psf	180	113	76	53

SPANDEK SERIES JAN2026

Philmetal

Colorbond

SPANDEK®

The Most Versatile Roofing Profile for All Applications

- Wide Effective Cover
- Balanced & Efficient Rib Height
- Ideal for Long-Span Roofing
- Made with Genuine COLORBOND® Steel

ANTI-LEAK CAPILLARY GROOVE FOR OPTIMUM LEAKAGE PROTECTION



BUILT TO LAST ROOFING

Philmetal BUILT TO LAST ROOFING DECKING FRAMING

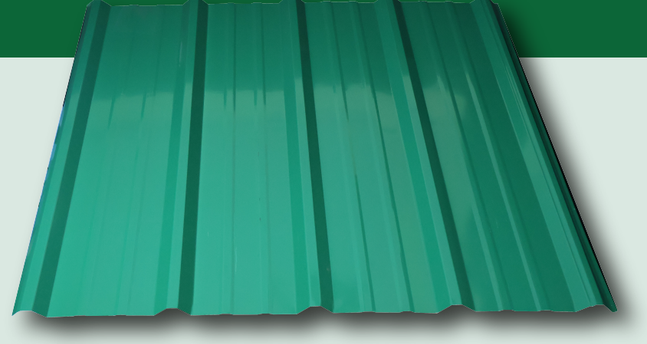
philmetal.com | philmetal.products.inc | (+63) 918-9057978

Available in different colors
(may vary from actual product)

BAGUIO GREEN | SAMAR BEIGE | SPANISH RED | UMBRA GRAY | MS RED | BATANGAS BROWN | DepEd BLUE | PACIFIC BLUE

Colorbond

SPANDEK®



The **COLORBOND® Spandek Roof Panel** is widely known as the most **versatile and practical roofing profile** in the market. With its **excellent effective cover width, balanced rib height,** and **economical cost**, Spandek is ideal for both short-span and **long-span roofing applications**. It combines durability, aesthetic appeal, and cost-efficiency making it a top choice for modern construction.

GENERAL PRODUCT INFORMATION

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

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:
All coating requirements can be adjusted to comply with the engineering or architectural specifications.

OPTIONAL: Premium Polyvinylideneflouride (PVdF) paint finish for extended protection under harsh environments.

AVAILABLE THICKNESSES: 0.30mm to 0.80mm

LENGTH: Longspan. Longer lengths can be arranged for on-site rollforming.

RAINFALL CAPACITY: May vary depending on the slope elevation, panel length and installation.

APPLICATIONS: Residential homes, warehouses, commercial buildings, agricultural structures, covered walkways & sheds, long-span roofing projects.

STANDARD COLORS: Dep Ed Blue, Pacific Blue, Batangas Brown, MS Red, Umbra Gray, Spanish Red, Samar Beige, Baguio Green. Special colors are available upon request.

RECOMMENDED FASTENERS
STEEL: Teks # 12-24 x 45mm with Neoprene washer
WOOD: Teks # 12-11 x 65mm with Neoprene washer

NOTE:
Thicker paint and coating mass as well as longer spans can be arranged.

DESIGN CRITERIA

1. Steel grade is 80,000 psi / 40,000 psi
2. Section properties and load tables were computed in strict compliance with the specifications of AISI.
3. Bending moment formulas used for flexural stress limitations are:

   Simple Span or Double Span $M = \frac{wL^2}{8}$

   Three-Span $M = \frac{wL^2}{10}$

4. Deflection formulas for deflection limitations are:

   One-Span $\frac{5wL^4}{384\ EI}$

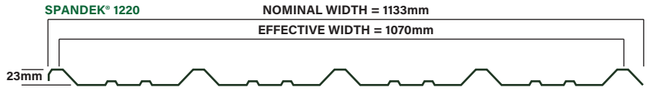
   Two-Span $\frac{wL^4}{185EI}$

   Three-Span $\frac{0.0069wL^4}{EI}$

5. Minimum Yield Point 80,000 psi / 40,000 psi
   Allowable Design Stress 36,000 psi / 24,000 psi

SPANDEK® LOADING TABLES

SPANDEK® 1220 — NOMINAL WIDTH = 1133mm, EFFECTIVE WIDTH = 1070mm



SPANDEK® 1220 SECTION PROPERTIES

THICKNESS	WEIGHT	AREA		Ix		STOP		SBOT		YTOP		YBOT	
mm	kg/m²	mm²	in²	mm⁴	in⁴	mm³	in³	mm³	in³	mm	in.	mm	in.
0.40	3.02	379.04	0.179	24593	0.018	1425	0.026	4284	0.080	17.26	0.680	5.74	0.226
0.50	4.01	505.38	0.239	32790.7	0.024	1905	0.035	5663	0.105	17.21	0.678	5.79	0.228
0.60	4.90	620.24	0.293	40243.1	0.029	2345	0.043	6891	0.126	17.16	0.676	5.84	0.230

0.40mm

SPAN BETWEEN SUPPORTS	mm	600	700
LOAD / DEFLECTION	psf / in.	160 / 0.10	118 / 0.14
L / 240	psf	152	95
L / 360	psf	101	64

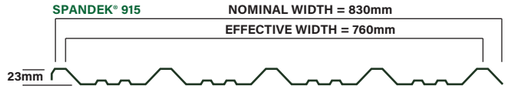
0.50mm

SPAN BETWEEN SUPPORTS	mm	600	700	800
LOAD / DEFLECTION	psf / in.	143 / 0.07	105 / 0.09	80 / 0.12
L / 240	psf	202	127	85
L / 360	psf	135	85	57

0.60mm

SPAN BETWEEN SUPPORTS	mm	600	700	800
LOAD / DEFLECTION	psf / in.	176 / 0.07	129 / 0.10	99 / 0.13
L / 240	psf	245	154	103
L / 360	psf	163	103	69

SPANDEK® 915 — NOMINAL WIDTH = 830mm, EFFECTIVE WIDTH = 760mm



SPANDEK® 915 SECTION PROPERTIES

THICKNESS	WEIGHT	AREA		Ix		STOP		SBOT		YTOP		YBOT	
mm	kg/m²	mm²	in²	mm⁴	in⁴	mm³	in³	mm³	in³	mm	in.	mm	in.
0.40	3.02	402.95	0.190	28765.7	0.021	1793	0.033	4133	0.077	16.04	0.631	6.96	0.274
0.50	4.01	537.26	0.254	38354.2	0.028	2400	0.045	5464	0.101	15.98	0.629	7.02	0.276
0.60	4.90	659.37	0.312	47071.1	0.034	2955	0.054	6658	0.122	15.93	0.627	7.07	0.278

0.40mm

SPAN BETWEEN SUPPORTS	mm	600	700
LOAD / DEFLECTION	psf / in.	203 / 0.11	149 / 0.15
L / 240	psf	177	111
L / 360	psf	118	74

0.50mm

SPAN BETWEEN SUPPORTS	mm	600	700	800
LOAD / DEFLECTION	psf / in.	184 / 0.08	135 / 0.1	103 / 0.14
L / 240	psf	236	148	99
L / 360	psf	158	99	67

0.60mm

SPAN BETWEEN SUPPORTS	mm	600	700	800	900
LOAD / DEFLECTION	psf / in.	221 / 0.08	162 / 0.10	124 / 0.13	98 / 0.17
L / 240	psf	287	180	121	85
L / 360	psf	192	121	81	57

SHEET LAYING PROCEDURE

1. Lift sheets onto roof right way up with either the male or female rib facing the same direction, otherwise sheets will have to be turned end-for-end during fixing.
2. Where roof pitches are less than 15° turn sheet ends upwards at ridges or fascias and turn downwards at gutters, with Flange Bending Tool.
3. Walk only in the pans of SPANDEK®. Stand only at supports.

