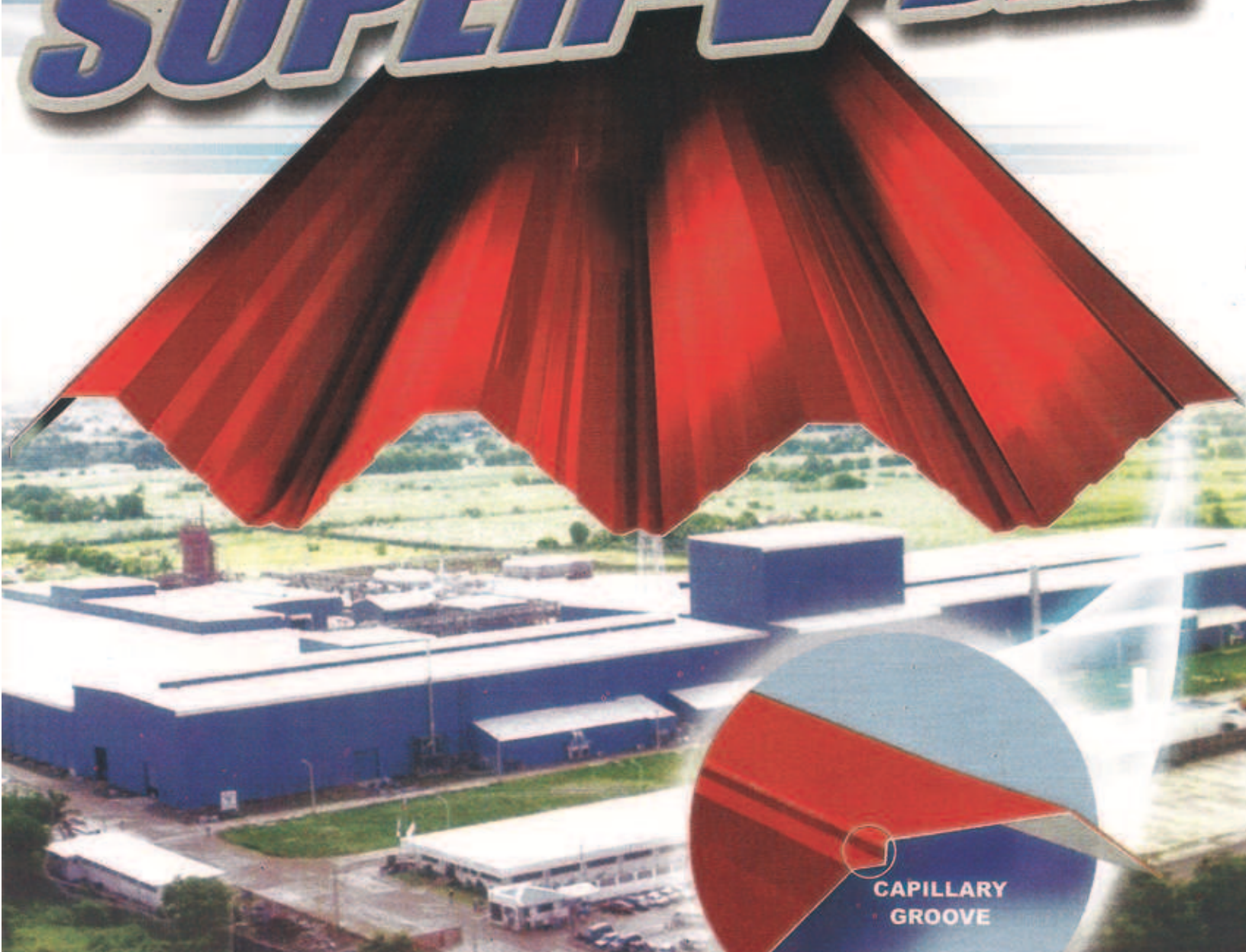


From **PHILMETAL** comes
the **STRONGEST** roof ever made

Colorbond[®]

INTRODUCING

SUPER-V-DEK

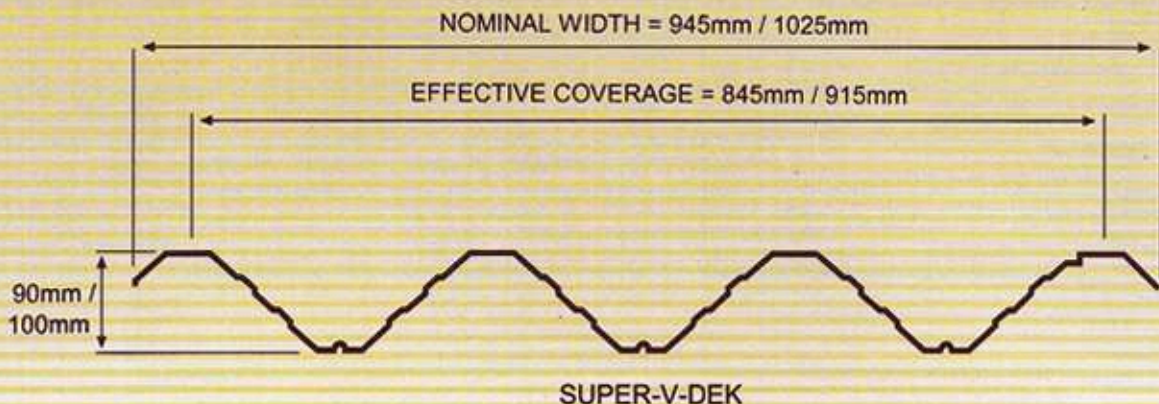


**CAPILLARY
GROOVE**

- 5 ribs in a V-tray; 15 ribs in the entire roof for the best in structural strength.
- 100mm-tall V-profile for maximum rain drain-off capacity. Tallest rib height in the market. Allows purlin spacing up to 2.5 meters while reducing loads on beams and columns. . . . for maximum cost efficiency.
- Best for near 0 degree slope. Has a capillary groove design to ensure leak-proof roofing.
- Substrated on Galvalume 55, the most popular aluminum-zinc coating system that is guaranteed to outlast G.I. substrated roofs by 3 to 6 lifetimes.

THE SUPER-V-DEK. It's all about total roofing power. Working for you.

CROSS SECTION



GENERAL PRODUCT INFORMATION

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

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 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: 0.40 mm to 0.80mm

LENGTH : Up to 22 m. Factory-cut-to-lengths are available provided satisfactory transport and on-site handling can be arranged.

On-site rollforming is available for buildings with very long lengths at minimal charges.

WIDTH :

Nominal Width	Effective Coverage
945 mm	845 mm

RAINFALL CAPACITY: Roofs in single sheet lengths without laps, 3rd SUPER-V-DEK can drain off a rainfall intensity of 730 mm/hr over a total run-off length, including expansion joints of 60 m.

APPLICATIONS : Roofing

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 LENGTH SPANS CAN BE ARRANGED)

MAXIMUM SUPPORT SPACING OF SUPER-V-DEK 1220 mm FOR ROOFING:

END SPANS 2400mm - 3100mm
INTERNAL SPANS 3000mm - 3800mm

SUPER-V-DEK SECTIONAL PROPERTIES PER METER /PER FOOT WIDTH

Thickness	Area		Ix		St		Sb		Yt		Yb	
	mm ²	in ²	mm ⁴	in ⁴	mm ³	in ³	mm ³	in ³	mm	in.	mm	in.
0.40	544.89	0.257	656427	0.481	12621	0.235	13237	0.247	52.01	2.05	49.59	1.95
0.50	681.12	0.322	820534	0.601	15792	0.293	16530	0.308	51.96	2.05	49.64	1.95
0.60	817.34	0.386	984641	0.721	18968	0.353	19816	0.368	51.91	2.04	49.69	1.96
0.80	1089.79	0.515	1312855	0.961	25340	0.471	26368	0.490	51.81	2.04	49.79	1.96

* Properties are per meter width and per foot width

SUPER-V-DEK LOADING TABLE

0.40 mm

SPAN BETWEEN SUPPORTS	mm	1200	1350	1500	1650	1800	1950	2100	2250
LOAD / DEFLECTION	psf	242	191	154	128	107	91	79	68
	in.	0.09	0.12	0.14	0.17	0.21	0.24	0.28	0.32
L / 240	psf	516	362	264	198	153	120	96	78
L / 360	psf	344	242	176	133	102	80	64	52

0.50 mm

SPAN BETWEEN SUPPORTS	mm	1200	1350	1500	1650	1800	1950	2100	2250
LOAD / DEFLECTION	psf	301	238	193	159	134	114	98	85
	in.	0.09	0.11	0.14	0.17	0.20	0.24	0.28	0.32
L / 240	psf	655	460	335	252	194	152	122	97
L / 360	psf	437	370	224	168	129	102	82	65

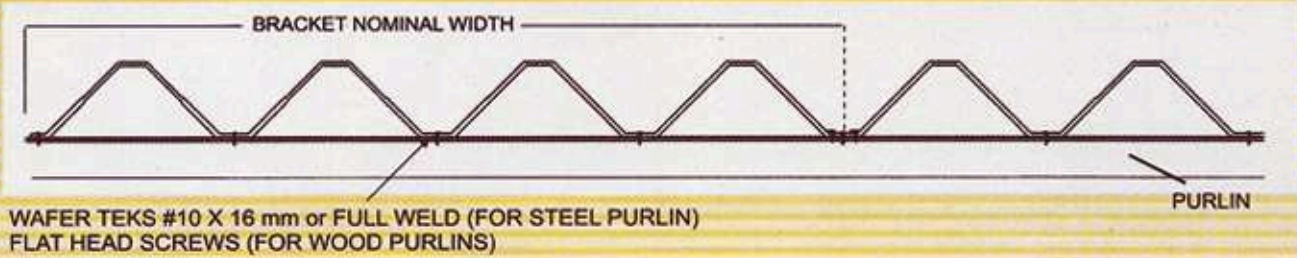
0.60 mm

SPAN BETWEEN SUPPORTS	mm	1200	1350	1500	1650	1800	1950	2100	2250
LOAD / DEFLECTION	psf	363	287	232	192	161	137	118	103
	in.	0.09	0.12	0.14	0.17	0.21	0.24	0.28	0.32
L / 240	psf	774	543	396	297	229	180	144	117
L / 360	psf	516	363	264	199	153	120	96	78

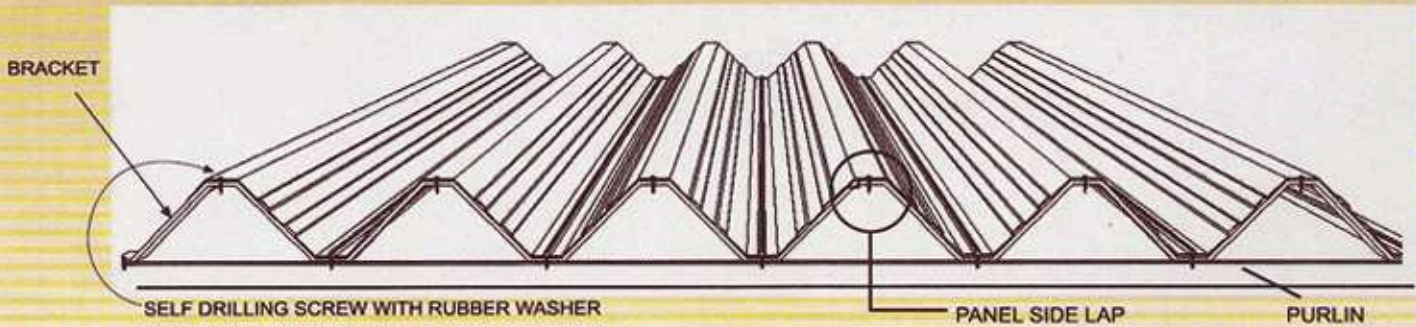
0.80 mm

SPAN BETWEEN SUPPORTS	mm	1200	1350	1500	1650	1800	1950	2100	2250
LOAD / DEFLECTION	psf	485	383	310	256	215	183	158	138
	in.	0.09	0.12	0.14	0.17	0.21	0.24	0.28	0.32
L / 240	psf	1032	725	528	397	305	240	192	156
L / 360	psf	688	483	352	265	204	160	128	104

MOUNTING/FASTENING BRACKET ONTO PURLINS



FASTENING SUPER-V-DEK ONTO BRACKET



SUPER-V-DEK BRACKET LAYOUT

