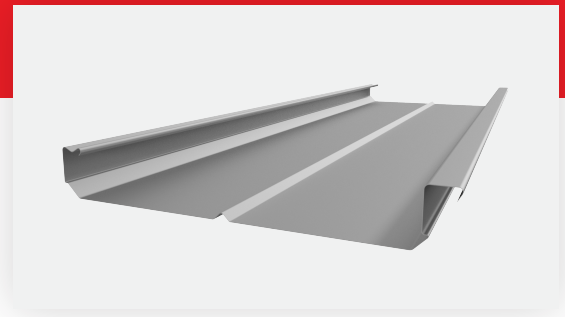


# V Dek



## OVERVIEW

V Dek is pan fix profile traditionally used in verandah applications, but also commercial applications. With a variety of pan options to choose from plus double or single sided colour options.

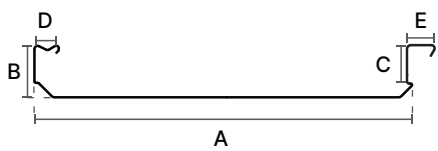
### MINIMUM ROOF PITCH

1 Degree

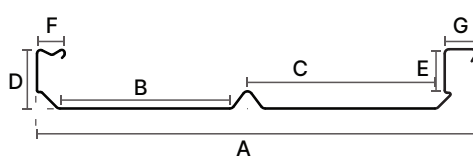
### PAN VARIATIONS

1 Pan / 2 Pan / 4 Pan

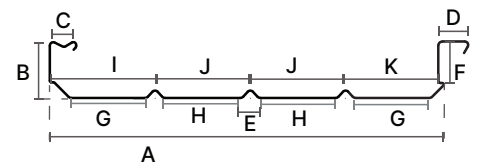
## PROFILE



- A = 326.0mm +/- 2mm
- B = 45.0mm
- C = 33.6mm
- D = 21.5mm
- E = 23.8mm



- A = 310.0mm +/- 2mm
- B = 128.8mm
- C = 142.3mm
- D = 45.0mm
- E = 33.6mm
- F = 21.5mm
- G = 23.8mm



- A = 310.0mm +/- 2mm
- B = 45.0mm
- C = 21.5mm
- D = 23.8mm
- E = 16.47mm
- F = 33.6mm
- G = 58.14mm
- H = 59.42mm
- I = 84.05mm
- J = 75.90mm
- K = 74.04mm

\* Visit [revbydesign.com.au](http://revbydesign.com.au) for CAD & Revit Files

## AVAILABILITY

### LOCATION



**AUSTRALIA WIDE**

### MATERIAL & GAUGE

- 0.42 BMT
- NEXTEEL NextSTAR™
- NEXTEEL NextSTAR™ Ultra
- COLORBOND® Steel
- COLORBOND® Steel Ultra

## NON-CYCLONIC SPAN TABLE

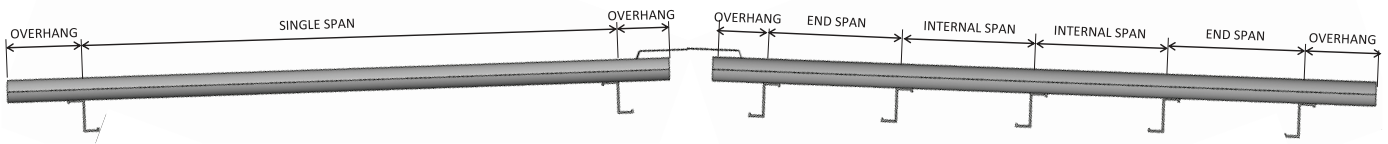
### NON-TRAFFICABLE ROOF SPANS

ROOF SPAN	0.42 BMT
Single Span	4000
End Span	4000
Internal Span	4000
Unstiffened Overhang	250
Stiffened Overhang	600

### LIGHT FOOT TRAFFIC SPANS

ROOF SPAN	0.42 BMT
Single Span	1800
End Span	1800
Internal Span	2100
Unstiffened Overhang	250
Stiffened Overhang	600

## SPAN DEFINITIONS



## DESIGN PARAMETERS

<b>Region</b>	A	Height	10 metre	<b>Internal Bay</b>	<b>End Bay</b>
<b>Terrain Category</b>	2	Vz	45 m/sec	$K_1 = 1.0$	$K_1 = 2.0$
		q*u	1.215 kPa	$\sum C = -0.85v$	$\sum C = -1.50$
		qs	0.821 kPa	Pu = 1.03 kPa	Pu = 1.82 kPa
		Cp.e	-0.65	Ps = 0.70 kPa	Ps = 1.23 kPa
		Cp	0.2		

## NON-CYCLONIC SERVICEABILITY & STRENGTH

NON-CYCLONIC V DEK 0.42 BMT		
Non-Cyclonic Wind Uplift Resistance - Service & Strength Limit State Design		
Single Span		
Span (mm)	SERVICEABILITY (kPa)	STRENGTH (kPa)
1500	1.18	9.15
1800	1.00	8.04
2100	0.84	6.93
2400	0.71	5.98
2700	0.59	5.13
3000	0.48	4.38
3300	0.38	3.96
3600	0.30	3.07
3900	0.21	2.50
4200	0.14	1.97
4500	0.07	1.47
4800	0.00	1.01

## MASSES

### NEXTEEL™ AM100

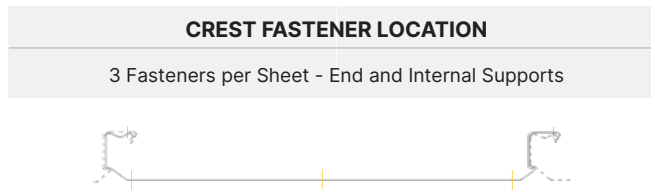
	1 PAN 0.42 BMT	2 PAN 0.42 BMT	4 PAN 0.42 BMT
kg/lm	1.66	1.66	1.66
kg/m <sup>2</sup>	5.19	5.35	5.35

### COLORBOND® STEEL AM100

	1 PAN 0.42 BMT	2 PAN 0.42BMT	4 PAN 0.42 BMT
kg/lm	1.66	1.66	1.66
kg/m <sup>2</sup>	5.19	5.35	5.35

## FASTENER SPACING NON-CYCLONIC

As per NCC ABCB Housing Provisions Table 7.2.5, maximum roof lengths (m) for drainage measured from ridge to gutter, no allowance has been made for penetrations or water diversion.



**NOTE:** Side lap fasteners are optional when using 5 fasteners per sheet, but are a requirement when only using 3 fasteners per sheet for valleys.

## SUGGESTED NON-CYCLONIC PIERCE FIXING

SUGGESTED V DEK NON CYCLONIC PIERCE FIXING				
TYPE	FIXING TO STEEL (UP TO 1.9mm)	FIXING TO VICTORY BOX BEAM	FIXING TO METAL BATTENS (0.55 - 1.0mm)	FIXING TO TIMBER
Valley Fixed	12-14×20mm Metal Tekes Hex Head with Seal	12-14×20mm Metal Tekes Hex Head with Seal	M6-11×25mm or 10-16×16mm Metal Tekes Hex Head with Seal	M6-11×25mm Hex Head with Seal or T17×25mm Hex Head

**NOTE:** After exposure of cladding to extreme wind event, it is recommended that inspection to be performed to confirm cladding integrity.

## STANDARD SPECIFICATION

### MARINE CLASSIFICATION

- **Class 1** (ISO 9223 Category C1): Rural areas far inland and remote from marine or industrial influence
- **Class 2** (ISO 9223 Category C2): Inland areas remote from the coast or areas of pollution
- **Class 3** (ISO 9223 Category C3): Coastal areas with low salinity
- **Class 4** (ISO 9223 Category C4): Severe marine which begins between 100m - 400m from breaking surf or 100m from calm marine.
- **Class 5** (ISO 9223 Category C5): Very severe marine: Close to breaking surf, typically 0 to 100m from breaking surf/exposed marine.
- **Class CX:** Extreme (as per AS 4312:2019): Rare classification, reserved for offshore structures and the most severe sea conditions

### ISO 9223:2012

Corrosion of metals and alloys — Corrosivity of atmospheres — Classification, determination and estimation.

## STANDARD SPECIFICATION

### COLORBOND® STEEL AM100

RELEVANT FOR COLORBOND® STEEL, COLORBOND® MATT STEEL PRODUCTS

Steel base thickness (0.42) with an Aluminium Zinc Magnesium Alloy Coated Steel with Activate® Technology Coating. COLORBOND® Steel AM100 Substrate compliance AS 1397:2021, and Paint Finish Substrate compliance AS/NZS 2728:2013 Type 3.

● SUBSTRATE	Aluminium Zinc Magnesium Alloy Coated Steel with Activate® Technology - AS 1397:2021
● COATING	AM100 = 100g per m <sup>2</sup> Minimum Metallic Coating Mass
● PRIMER	Nominal 5µm Universal Corrosion Inhibitive Primer
● PAINT	Nominal 20µm Finish Coat AS/NZS 2728:2013 Type 3
● PROTECTIVE PLASTIC	Nominal 50µm CORSTRIP® (if required)

### COLORBOND® STEEL AM150

RELEVANT FOR COLORBOND® STEEL ULTRA PRODUCTS

Steel base thickness (0.42) with an Aluminium Zinc Magnesium Alloy Coated Steel with Activate® Technology Coating. COLORBOND® AM150 Ultra Steel Substrate compliance AS 1397:2021, and Paint Finish Substrate compliance AS/NZS 2728:2013 Type 3.

● SUBSTRATE	Aluminium Zinc Magnesium Alloy Coated Steel with Activate® Technology - AS 1397:2021
● COATING	AM150 = 150g per m <sup>2</sup> Minimum Metallic Coating Mass
● PRIMER	Nominal 5µm Universal Corrosion Inhibitive Primer
● PAINT	Nominal 20µm Finish Coat AS/NZS 2728:2013 Type 3
● PROTECTIVE PLASTIC	Nominal 50µm CORSTRIP® (if required)

### NEXTEEL™ AM100

RELEVANT FOR NEXTSTAR™, NEXTSTAR™ MATT STEEL PRODUCTS

Steel base thickness (0.42) with an Aluminium Zinc Magnesium Alloy Coated Steel Coating. NEXTEEL™ AM100 Steel Substrate compliance AS 1397:2021, and Paint Finish Substrate compliance AS/NZS 2728 Type 4.

● SUBSTRATE	Aluminium Zinc Magnesium Alloy Coated Steel - AS 1397:2021
● COATING	AM100 = 100g per m <sup>2</sup> Minimum Metallic Coating Mass
● PRIMER	Nominal 5µm Polyester
● PAINT	Nominal 20µm Advanced Durability Polyester AS/NZS 2728 Type 4
● PROTECTIVE PLASTIC	Nominal 50µm NextSTRIP (if required)

### NEXTEEL™ AM150

RELEVANT FOR NEXTSTAR™ ULTRA STEEL PRODUCTS

Steel base thickness (0.42) with an Aluminium Zinc Magnesium Alloy Coated Steel Coating. NEXTEEL™ AM150 Steel Substrate compliance AS 1397:2021, and Paint Finish Substrate compliance AS/NZS 2728 Type 4.

● SUBSTRATE	Aluminium Zinc Magnesium Alloy Coated Steel - AS 1397:2021
● COATING	AM150 = 150g per m <sup>2</sup> Minimum Metallic Coating Mass
● PRIMER	Nominal 5µm Polyester
● PAINT	Nominal 20µm Advanced Durability Polyester AS/NZS 2728 Type 4
● PROTECTIVE PLASTIC	Nominal 50µm NextSTRIP (if required)