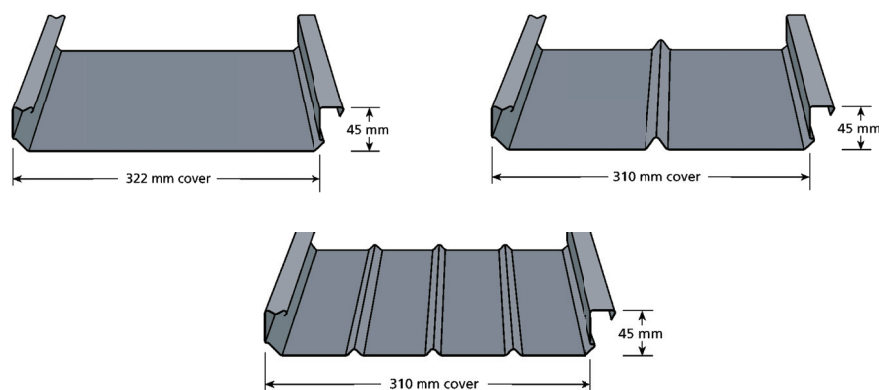


# V-DEK



## FEATURES & BENEFITS

- Traditionally used as a free spanning verandah deck, this versatile profile is ideal for commercial applications as a decorative panel.
- The V-DEK is a pan fixed profile.
- Makes an attractive ceiling profile.
- Providing a classically smooth ceiling finish in various gloss colours to enhance the appearance of your structure.
- The V-DEK offers spanning capabilities up to 4.5m without the need for unsightly roof purlins'.
- Commercial quantities are available in the single sided full COLORBOND® steel range on application.
- Manufactured from light .42 BMT hi-tensile ZINCALUME® steel or COLORBOND® steel.
- See further details in the verandah section of this manual.

Note \*Non trafficable verandah applications only.

## MATERIAL SPECIFICATIONS

Revolution Roofing only use 100% BlueScope Steel products.

ZINCALUME® steel aluminium/zinc alloy-coated steel complying with AS1397-2001 G550, AZ150 (550MPa minimum yield stress, 150g/m<sup>2</sup> minimum coating mass); or Stainless Steel standard grade designation is AISI/ASTM Type 430; UNS No. S43000.

COLORBOND® steel metal thickness is 0.35, 0.42 or 0.48mm. G550, AZ150 (550MPa minimum yield stress, 150g/m<sup>2</sup> minimum coating mass).

COLORBOND® Ultra base metal thickness is 0.42 or 0.48mm. G550, AZ200 (550MPa minimum yield stress, 200g/m<sup>2</sup> minimum coating mass).

COLORBOND® steel .60 Blue Orb G300, AZ150 (300Mpa minimum yield stress, 150g/m<sup>2</sup> minimum coating mass).

COLORBOND® Metallic steel base metal thickness is 0.48mm. G550, AZ150 (550Mpa minimum yield stress, 150g/m<sup>2</sup> minimum yield stress, 150g/m<sup>2</sup> minimum coating mass).

The COLORBOND® prepainted steel complies with AS/NZS2728:1997.

## MINIMUM ROOF PITCH 1 DEGREE

For V-DEK a minimum roof pitch of 1 degree is recommended.

## Tolerances

Length: +7mm/ -7mm      Width: +4mm/ -4mm

The V-DEK has been tested to the following standards:

- AS 1562.1 - 1992 Design and installation of sheet roof and wall cladding
- AS 4040 - 1992 Methods of testing sheet roof and walling cladding - Part 0: Introduction, list of methods and general requirements - Part 2: Methods of testing sheet roof and wall cladding - Resistance to wind pressures for non-cyclone regions
- The Revolution Roofing V-DEK is manufactured to AS1397 and AS2728 standards.
- The Revolution Roofing V-DEK requires installation to follow the AS1445 and AS1565 standards following the HB39 code.



Zincalume® Colorbond®

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LONSDALE SA  
14 Bredbo Street  
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OSBORNE PARK WA  
55b Hector Street  
P: 08 9217 9011 F: 08 9204 5564



# V-DEK

## SERVICEABILITY AND STRENGTH

### Load Span Table

Non-Cyclonic 0.42 BMT NON-CYCLONIC Wind Uplift Resistance - Service and Strength Limit State Design		
Span (mm)	Span (Test)	
	Serviceability (kPa)	Strength (kPa)
1450	1.36	10.18
2370	0.49	5.01
3520	0.27	1.76
4670	0.16	2.28

### DOUBLE SIDED COLOURS AVAILABLE

Providing a classically smooth ceiling finish in various gloss colours to enhance the appearance of your structure.

Paperbark Gloss® / Paperbark®  
Paperbark Gloss® / Woodland Grey®  
Paperbark Gloss® / Ironstone®

Classic Cream Gloss® / Classic Cream®  
Classic Cream Gloss® / Woodland Grey®  
Classic Cream Gloss® / Monument®  
Classic Cream Gloss® / Manor Red®

Thredbo White Gloss® / Surfmist®

### Design Wind Pressure (kPa)

Non-Cyclonic 0.42 BMT NON-CYCLONIC Wind Uplift Resistance - Service and Strength Limit State Design		
Span (mm)	Span (Trend)	
	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	3.69
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

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

# V-DEK

## INSTALLATION

Using the recommended fasteners, fix the first clip, with the arrow of the clip pointing towards the area to be laid at a 90 degree angle to the gutter in a straight line.

Please endeavour to ensure the overlaps face away from the wind.

### Sheet Ends

At the end of the purlins, cut the deck and the clip to suit. It is recommended to allow roof sheets to overlap into gutters by about 50mm. Turn up V-DEK pans at the ridge line. Pans should be turned down at the gutter line of lower pitches.

### Lengths

Lengths are provided at your required length.

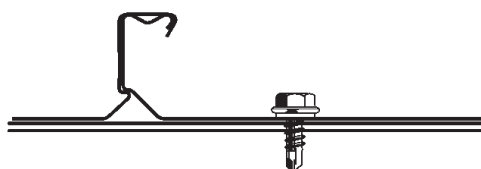
## PIERCED PAN FIXING

V-DEK Pierced Fixing (Non-Cyclonic)		
Type	Fixing to Steel (up to 3mm)	Fixing to Timber
With Insulation	10 - 16 x 25mm Metal Tek's hexagonal head with seal	M6-11 x 25mm Roofzips hexagonal head with seal

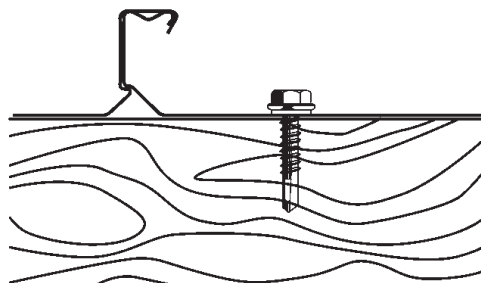
## PAN FIXING

V-DEK can be pan fixed to timber or steel supports with the recommended fasteners no less than 30mm from sheet ends.

### Fixing to Steel



### Fixing to Timber



# V-DEK

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