

## PRODUCT DESCRIPTION & FEATURES

Widedek is an angular trapezoidal fluted sheet and is similar in appearance to Tufdek IBR profiled sheeting, the difference being the cover width of the sheet, and the depth of the flutes. Widedek sheeting has a cover width of 760mm and the depth of the flutes on Widedek is 29mm.

- The Widedek profile has a better cover width than Tufdek IBR, resulting in a saving of  $\pm 10\%$ .
- To achieve the same coverage less sheets are required to be erected, thus saving on time and labor.
- The advantage of using Widedek in place of a sinusoidal corrugated profile is its strength. The spanning capacity of Widedek is greater than the corrugated profile thus requiring less purlins, resulting in a further cost saving in material and installment cost
- Widedek can be factory cranked, curved and bullnosed to a wide range of radii.

## SAMPLE SPECIFICATION

Safintra 0,5mm thick AZ150 Zincol® Widedek profiled roof sheeting, fixed to intermediate steel purlins at 1700mm centres and to ridge and eaves purlins at 1500mm centres, with #12 x 65mm Fixtite® or Safintra approved hex head self-drilling fasteners at every second crest at intermediate purlins and every crest at eaves purlins in accordance with the manufacturer's recommendations.

The sheeting shall be Widedek trapezoidal type profile as manufactured by Safintra. The profile shall be roll-formed with 5 trapezoidal ribs at 191mm centres with a nett cover of 760mm. The rib height shall be 29mm and in accordance with the manufacturer's specification.



## MATERIAL OPTIONS

Aluminium - Zinc	Gauge (mm)
AZ100/Z275/150/200 G550 Unpainted or pre-painted	0.47 0.50 0.53 0.55 0.80*
Aluminium	Gauge (mm)
Aluminium Aluminium G4 Colortech	0.80
Zinc-Coated	Gauge (mm)
Z200/Z275/ISQ550/ISQ300 Unpainted or pre-painted	0.50 0.58*
Other gauges are available on special request. All material is subject to availability.	
* Available in G275/ISQ300 only	

Material and coating thickness can vary regionally. Consult your local Safintra branch for availability.

### Note 1

All profiles are rolled with stiffener ribs, unless otherwise specified

### Note 2

During installation, clean the roof daily by removing all swarf, pop rivets and unused fasteners or any other debris.

### Note 3

Safintra recommends the use of Fixtite or Safintra approved Class 4 fasteners

## PURLIN SPACINGS

Purlin Spacing's are dependent on both downward loading and negative suction loading caused by wind. An engineer should be consulted to calculate your load (kN/m<sup>2</sup>) for your particular application.

GAUGE	0.47	0.50	0.53	0.55	0.80
MATERIAL	ALUMINIUM -ZINC	ALUMINIUM -ZINC	ALUMINIUM -ZINC	ALUMINIUM -ZINC	ALUMINIUM
ROOFS	mm	mm	mm	mm	mm
Single Span	1200	1300	1400	1500	1000
End Span	1400	1500	1600	1700	1200
Internal/Double Span	1600	1700	1800	1900	1400
Cantilever	150	150	200	200	150
Side Cladding					
End Span	1700	1900	2100	2300	1300
Internal Span	2000	2200	2400	2600	1600
Cantilever	200	200	300	300	300
Approximate Mass/kg	4.5	4.8	5.1	5.3	3

Design requirements exceeding the above, may be considered in consultation with the Safintra Technical Department.

## FIXING GUIDE



Widedek is pierce fixed to timber or steel supports. This means that fastener screws pass through the sheeting. Always drive the fasteners perpendicular to the sheeting, and in the center of the rib.

It is recommended that side laps be stitched at 500mm centers with #14 x 22mm metalfix stitching fastener. It's further recommended that every rib is fixed at the eaves, ridges and the apex of the roof.

Side laps to be sealed using a suitable butyl product or neutral cure silicone.

Refer to the Fixtite Fastener section for fixing guidelines.

FASTNERS FOR WIDEDEK		
	ROOF	SIDE CLADDING
Steel	#12 x 65mm Metalfix hex head	#12 x 25mm Metalfix hex head
Timber	#12 x 85mm Timberfix hex head	N/A
FLASHINGS & SIDE STITCHING		
Steel	#14 x 22mm Metalfix stitching fastener, hex head, tapered	
Timber		

## LENGTHS & ROOF PITCH

When using Widedek sheeting the recommended minimum pitch for roof slopes in excess of 15m is 10° and for slopes less than 15m is 7.5°. Widedek sheeting can be ordered in any length, subject to transport limitations of up to 13,2m. Longer lengths require special transport arrangements.

## DIMENTIONAL TOLERANCES

A length variation range of +10mm or -0mm, and a width tolerance of ±7.5mm is permissible. This applies to straight sheet lengths only.

### Note 4

Note that when using Aluminium material on galvanized steel purlins, the use of an isolation tape or similar to prevent the bridging of the two dissimilar materials is recommended. Should the two metals have direct contact it will ultimately result in the manifestation of galvanic corrosion, and the service life of the aluminium will be compromised.

