

## PRODUCT DESCRIPTION & FEATURES

The corrugated profile is sinusoidal and can be used as both roofing and cladding material. With its origins dating back to the Victorian era, it is probably the most commonly known sheeting profile used in the world today. The fact that corrugated profiled sheeting has been around since before the turn of the century proves that this easy to use and effective profile for roofing and wall cladding is here to stay.

Corrugated sheets can be factory cranked, curved and bull-nosed to a wide range of radii. For further details contact our Technical Department.

## SAMPLE SPECIFICATION

Safintra 0.50mm thick, AZ150 Zinal® Classicorr Corrugated roof sheeting, crest-fixed to intermediate timber purlins at 1200mm centres and ridge and eave purlins at 900mm centres, with #12 x 65mm timberfix Fixtite® or Safintra approved hex head self-drilling fasteners. Sheets to be fixed with three fasteners per sheet on intermediate purlins and five fasteners per sheet on ridge and eave purlins.

The sheeting shall be Classicorr Corrugated as manufactured by Safintra. The profile shall be roll-formed with 10.5 sinusoidal crests at 76mm centres, with an effective cover width of 762mm. The crest height shall be 17.5mm and shall be fixed in accordance with the manufacturers recommendations.



### Note 1

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

### Note 2

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



## MATERIAL OPTIONS

Aluminium - Zinc	Gauge (mm)
AZ150/G550 Unpainted or pre-painted	0.47 0.50 0.53 0.55 0.80*
Aluminium	Gauge (mm)
Aluminium Mill Finish Aluminium G4 Colortech	0.80
Rheinzink	Gauge (mm)
Rheinzink Material	0.80
Zinc-Coated	Gauge (mm)
Z200/Z275 ISQ550 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.

## 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 the load (kN/m<sup>2</sup>) for your particular application.

GAUGE	0.47	0.50	0.53	0.55	0.80	0.80
MATERIAL	ALUMINIUM -ZINC	ALUMINIUM -ZINC	ALUMINIUM -ZINC	ALUMINIUM -ZINC	ALUMINIUM -ZINC	ALUMINIUM
ROOFS	mm	mm	mm	mm	mm	mm
Single Span	600	650	750	800	900	500
End Span	900	950	1050	1100	1200	800
Internal/Double Span	1200	1250	1350	1400	1500	1100
Cantilever	100	100	150	150	250	100
Side Cladding						
End Span	1000	1200	1500	1700	2000	900
Internal Span	1500	1700	2000	2200	2500	1400
Cantilever	200	200	250	250	250	200
Approximate Mass/kg	4.5	4.8	5.1	5.3	7.7	2.9

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

\*0.80 Aluminium-Zinc Material is rolled in G275.

## FIXING GUIDE



Classi corr Corrugated 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 a #14 x 22mm metalfix stitching fastener. It is further recommended that every second rib is fixed at the eaves, ridges and the apex of the roof.

Side and end laps are to be sealed using a suitable butyl product or neutral cure silicone. Refer to the Fixtite® Fastener section for fixing guidelines.

FASTNERS FOR CLASSICORR CORRUGATED		
	ROOF	SIDE CLADDING
Steel	#12 x 38mm Metalfix hex head	#12 x 25mm Metalfix hex head
Timber	#12 x 65mm Timberfix hex head	N/A
FLASHINGS & SIDE STITCHING		
Steel	#14 x 22mm Metalfix stitching fastener, hex head, tapered	
Timber	#14 x 22mm Metalfix stitching fastener, hex head, tapered	

### Note 3

Classi corr Corrugated is a handed sheet and should be installed accordingly.

## LENGTHS & ROOF PITCH

When using Corrugated sheeting the recommended minimum roof slope (pitch) for sheets longer than 15m is 15°, and for sheets shorter than 15m the minimum roof slope is 10°.

## DIMENTIONAL TOLERANCES

A length variation range of +10mm or -0mm, and a width tolerance of ±5.5mm 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.

