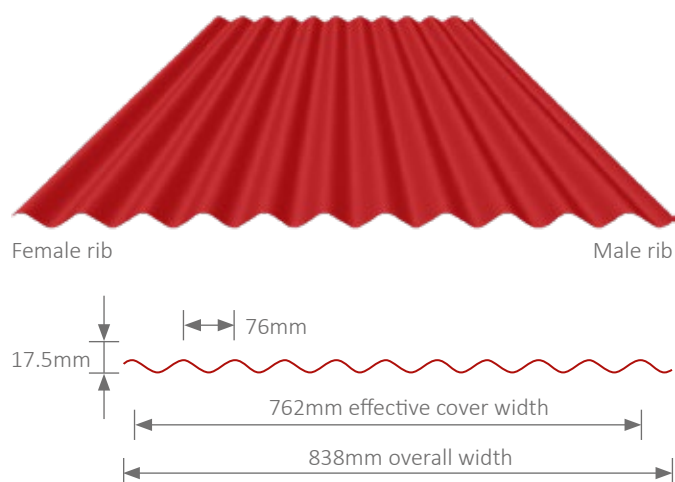


The corrugated profile is sinusoidal and can be used as both roofing and cladding material. With its origins dating back to the Victorian era, it is probably the most commonly known sheeting profile used in the world today. The fact that the corrugated profiled sheeting has been around since before the 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 bullnosed to a wide range of radii. For further details contact our Technical Department.

SAMPLE SPECIFICATION

Safintra 0.50mm thick, AZ 150 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 timber-fix Fxite™ 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 manufacturer's recommendations.



MATERIAL OPTIONS

Aluminium-Zinc coated steel	Gauge (mm)
AZ 100 / 150 / 200 G550 Unpainted or pre-painted	0.47 0.50 0.53 0.55 0.80*
Aluminium	Gauge (mm)
Unpainted or pre-painted	0.80
Rheinzink	Gauge (mm)
Rheinzink material	0.80
Zinc-coated steel	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: 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 Fxite™ or Safintra approved Class 4 fasteners.

PURLIN SPACINGS

Purlin spacings are dependent on both downward loading and negative suction loading caused by wind. An engineer should be consulted to calculate the load (kN/m²) for your particular application.

Gauge (mm)	0.47	0.50	0.53	0.55	0.80	0.80
Material	Aluminium-Zinc coated steel	Aluminium-Zinc coated steel	Aluminium-Zinc coated steel	Aluminium-Zinc coated steel	Aluminium-Zinc coated steel	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/m ²)	4.32	4.60	4.88	5.06	7.36	2.72

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



FIXING GUIDE

Classicorr® 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 centre of the rib. It is recommended that side laps be stitched at 500mm centres with a #14 x 22mm metal-fix 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.

FASTENERS FOR CLASSICORR® CORRUGATED

	Roof	Side Cladding
Steel	#12 x 38mm metal-fix hex head	#12 x 25mm metal-fix hex head
Timber	#12 x 65 timber-fix hex head	N/A

FLASHINGS AND SIDE STITCHING

	Roof	Side Cladding
Steel	#14 X 22mm metal-fix stitching fastener, hex head, tapered	
Timber		

Note 3: Classicorr® corrugated is a handed sheet and should be installed accordingly.

LENGTHS AND ROOF PITCH

When using Classicorr® 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°.

DIMENSIONAL 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 or 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 bimetallic corrosion, and the service life of the Aluminium will be compromised.

**Refer to the Safintra Technical Department for more information or raise any enquiries in writing to info.safintrasa@safalgroup.com*

