

PRODUCT DESCRIPTION & FEATURES

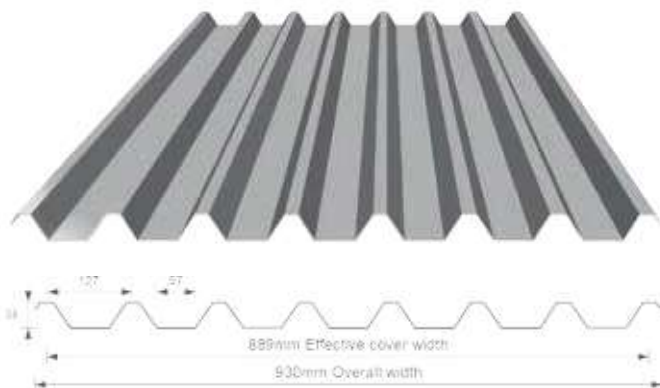
Fluteline is an angular trapezoidal fluted profile sheet with similar characteristics to IBR but having an effective cover of 889mm, which is wider than IBR.

- The general shape and appearance of the trapezoidal flutes ensures that Fluteline is totally acceptable for use as roof and as wall cladding. The deep and broad flutes of the Fluteline sheeting ensure excellent drainage characteristics, which makes it an ideal sheet for roofing applications.
- Fluteline offers optimum strength-to-weight performance and is designed to provide the most advantageous load/span characteristics ensuring best economical usage.
- Fluteline can be factory cranked, curved and bullnosed to a wide range of radii. For further details contact our Technical Department.

SAMPLE SPECIFICATION

Safintra 0,5mm thick, 889mm cover Fluteline profiled Zinco[®] AZ150 Roof Sheetting, fixed to intermediate steel purlins at 2500mm centres and eaves and ridge purlins at 2200mm centres, using 12 x 65mm metalfix self tapping fasteners with bonded washer. Side laps to be secured using #14 x 22mm metalfix stitching fasteners with a bonded washer over purlins and at centres not exceeding 500mm with #14 x 22mm metalfix stitching fasteners between purlins. All in accordance with the manufacturer's recommendations.

The sheeting shall be Fluteline profile as manufactured by Safintra Roofing. The profile shall be roll-formed with 8 trapezoidal ribs at 127mm centres with a nett cover of 889mm. The rib height shall be 38mm and shall be fixed in accordance with the manufacturer's recommendations.



MATERIAL OPTIONS

Aluminium - Zinc	Gauge (mm)
AZ100/150/200 G550 Unpainted or pre-painted	0.47 0.50 0.53 0.55
Aluminium	Gauge (mm)
Aluminium Mill Finish Aluminium G4 Colortech	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.

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

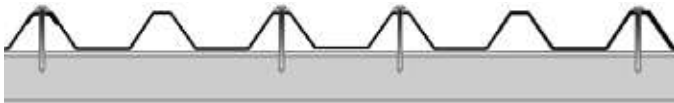
Purlin Spacing's are dependent on both downward loading and negative suction loading caused by wind. An engineer should be consulted to calculate your load (kN/m²) for your particular application.

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	1800	1900	2000	2100	1600
End Span	2100	2200	2300	2400	1900
Internal/Double Span	2400	2500	2600	2700	2200
Cantilever	200	200	250	250	200
Side Cladding					
End Span	2300	2500	2700	3000	2300
Internal Span	2700	2900	3100	3400	2700
Cantilever	300	300	400	400	300
Approximate Mass/kg	3.9	4.1	4.4	4.5	2.5

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

FIXING GUIDE

Fluteline 5



Cover Width for Fluteline 5 is 635mm

Fluteline 7



Fluteline 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. Its 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 FLUTELINE		
	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		

refer to the Safintra Technical Department for more information or technical data. www.safintra.co.za

LENGTHS & ROOF PITCH

When using Fluteline 7 sheeting the recommended minimum pitch for roof slopes in excess of 15m is 7.5° and for slopes less than 15m is 5°. Fluteline 7 sheeting can be ordered in any length, subject to transport limitations, 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 3

Note that when using Aluminium material on galvanized steel purlins, 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. The Service life of the aluminium can be compromised.