

PRODUCT DESCRIPTION & FEATURES

TRIMFLUTE® is a subtle square fluted profile. The long flute gives the profile its strength with long spanning capabilities. Trimflute can be used as a roofing as well as a cladding profile.

- The square flutes of Trimflute type sheeting ensure excellent drainage characteristics.
- The contemporary appearance of Trimflute is aesthetically appealing.
- Trimflute can be factory cranked, curved and bullnosed to a wide range of radii. For further details contact our Technical Department.

SAMPLE SPECIFICATION

The sheeting shall be Trimflute type profile as manufactured by Safintra Roofing. The profile shall be roll-formed with 6 trapezoidal ribs at 203 mm, centers with a net cover of 1015 mm. The rib height shall be 26.5 mm and shall be fixed in accordance with the manufacturer's recommendations.

Safintra 0.50 mm thick, ZincAl® AZ 150 Trimflute Profile Roof Sheeting, fixed to internal steel purlins at 1600 mm centers and to ridge and eaves purlins at 1400 centers, with Fixtite® or Safintra approved 12 x 65mm long Hex Head self-drilling screws at every second crest, internal purlins and every crest. Eaves purlins side laps to be stitched at 500 mm centers between purlins all in accordance with manufacturers recommendations.

FASTENING

Trimflute is pierce-fixed to timber or steel supports. This means that fastener screws pass through the sheeting. You can place screws for Trimflute through the crests or in the valleys. To maximise water tightness, always place roof screws through the crest. For walling, you may use either crest or valley fixing. Always drive the screws perpendicular to the sheeting, and in the centre of the corrugation or rib. Don't place fasteners less than 25 mm from the ends of sheets.

The edge of Trimflute with the anti-capillary groove is always the under-lap. It is generally considered good practice to use fasteners along side-laps however, when cladding is supported as indicated in purling spacings, side-lap fasteners are not usually needed for strength.

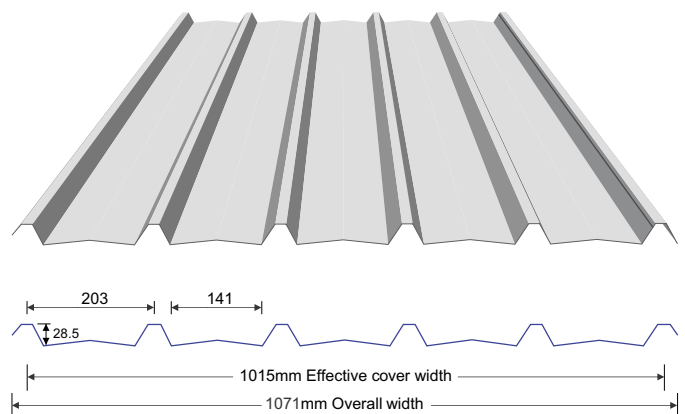
End-laps are not usually necessary because Trimflute is available in long lengths. If you want endlaps, seek advice from your nearest Safintra office on the sequence of laying and the amount of overlap. When Trimflute is laid on slopes of 7.5 degrees or more, cut back the corner of the undersheet, at the downhill end of the sheet to block capillary action.



MATERIAL OPTIONS

Aluminium - Zinc	Gauge (mm)
AZ100/150/200 G550	0.50 0.55
Unpainted or pre-painted	
Aluminium	Gauge (mm)
Aluminium Mill Finish	0.80
Aluminium G4 Colortech	0.80

Other gauges are available on special request.



PURLIN SPACINGS

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

GAUGE	0.5mm	0.55mm	0.8mm
MATERIAL	ALUMINIUM-ZINC	ALUMINIUM-ZINC	ALUMINIUM
ROOFS	mm	mm	mm
Single Span	1 350	1 500	800
End Span	1 400	1 550	850
Internal/Double Span	1 600	1 700	1 000
Cantilever (Unstiffened)	150	180	150
Cantilever (Stiffened)	300	300	200
SIDE CLADDING			
Single Span	2 000	2 300	1 200
End Span	2 100	2 400	1 300
Internal Span	2 400	2 600	1 500
Cantilever	200	300	300
Approximate Mass/m ²	4.5kg	4.93kg	3.9kg

LENGTHS & ROOF PITCH

When using Trimflute sheeting the recommended minimum pitch for roof slopes in excess of 15m is 10° and for slopes less than 15m is 7,5°. Trimflute sheeting can be ordered in any length, subject to transport limitations, up to 13,2m. Longer lengths require special transport arrangements.

TOLERANCES

A length variation range of +/-5,0mm, and width tolerance of +/-3,0mm are permissible

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



Note 3:

Note that when using Trimflute 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, and the service life of the aluminium will be compromised.

Disclaimer:

- Care has been taken to ensure that the information provided is accurate. SAFINTRA does not assume responsibility for inaccuracies or misinterpretations of this data.
- SAFINTRA is continuously engaged in product development, please ensure that you have the most recent issue of information from SAFINTRA.
- Photographs and illustrations are typical examples of roofing and cladding products and applications.