

## Subtle square fluted steel cladding



Rigidity



Strength



Light weight



Design Flexibility



Maintenance Free



Anti Capillary Effect



Simple Low Cost Fixing



Architecturally Attractive



Long Spanning Capabilities



Weather Ability & Durability



Fully Trained Installation Teams



**SAFINTRA™**  
world class roofing

world class roofing

## Product Description & Features

Trimflute is a subtle square fluted profile sheet 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 general shape and appearance of the square flutes ensure that Trimflute is totally acceptable for use as roof and wall cladding. The square flutes of Trimflute type sheeting ensures excellent drainage characteristics.
- The trendy look of Trimflute is widely accepted since it serves both the purpose of strength as well as aesthetics.
- Trimflute can be factory cranked, curve and bullnosed to a wide range of radii. For further details contact our Technical Department.

## Sample Specification & Installation

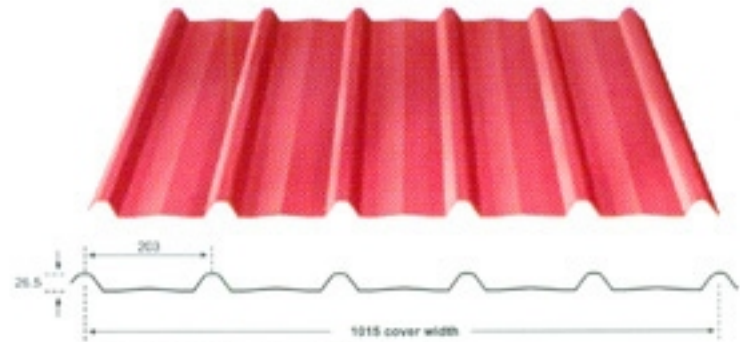
The sheeting shall be Trimflute type profile as manufactured by Safintra Roofing. The profile shall be roll-formed with 6 trapezoidal ribs at 203 mm, centers with a net cover of 1015 mm. The rib height shall be 26.5 mm and shall be fixed in accordance with the manufacturer's recommendations.

Safintra 0.50 mm thick, AZ 150 or Z 120, PPGI / PPGL Trimflute Profile Roof Sheeting, fixed to intermediate steel purlins at 1400 mm centers and to ridge and eaves purlins at 1300 centers, with 12 x 65 mm long class 3 metal self drilling screws at every second crest intermediate purlins and every crest eaves purlins side laps to be stitched at 500 mm centers between purlins all in accordance with manufacturers recommendations.

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 end-laps, seek advice from your nearest Safintra office on the sequence of laying and the amount of overlap. When TRIMFLUTE is laid on slopes of 5 degrees or less, cut back the corner of the under-sheet, at the downhill end of the sheet to block capillary action.



All Dimensions in the above drawing are in mm

Dimensions				
Profile	Cover Width*	Crest	Pitch	Sheet Width
Trimflute	1015 mm	26.5 mm	203 mm	1070 mm

\* We sell all our profiles on cover width basis

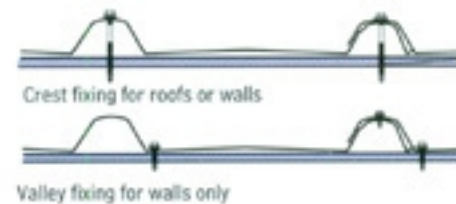
## Material Options

Galvanised / PPGI	Gauge (mm)
Z 120 245 / 345 Mpa	0.40 to 0.80
Z 180 245 / 345 Mpa	
Z 275 245 / 345 Mpa	

Galvalume / PPGL	Gauge (mm)
AZ 70 300 / 550 Mpa	0.40 to 0.80
AZ 100 300 / 550 Mpa	
AZ 150 300 / 550 Mpa	

Aluminium	Gauge (mm)
Mill Finish / Stucco Embossed	0.60 to 1.20
Colour Coated	

A length variation range of  $\pm 5.0$  mm, and width tolerance of  $\pm 3.0$  mm is permissible.



## Purling Spacings (mm)

Type of span	Total Coated Thickness		
	0.40 mm	0.45 mm	0.50 mm
<b>Roofs</b>			
Single Span	800	950	1300
End Span	1100	1200	1400
Internal Span	1550	1750	2050
Un-stiffened eaves overhang	-	-	-
Stiffened eaves overhang	-	-	-
<b>Side Cladding</b>			
Single Span	1200	1700	1900
End Span	1800	2450	2600
Internal Span	2400	2850	3000
Overhang	-	-	-

## Maximum Roof Run (m)

Rainfall intensity mm/hr	Roof Slope					
	1°	2°	3°	5°	7.5°	10°
100	-	235	275	342	408	469
150	-	156	173	228	272	313
200	-	117	138	171	204	235
250	-	94	110	137	163	188
300	-	78	92	114	136	156
400	-	59	69	86	102	117
500	-	47	55	68	82	94

Maximum roof lengths for drainage measured from ridge to gutter (m) Penetrations will alter the flow of water on a roof. For assistance in design of roofs with penetrations, please seek advice from your nearest Safintra office.

## CORPORATE OFFICE

Safintra Roofing (India) Limited

Sultania House, Ground Floor, 18 Subhash Road, Vile Parle (East), Mumbai 400057, India.  
t : +91 22 4248 9450 f : +91 22 4248 9460 info@safintra.in www.safintra.in