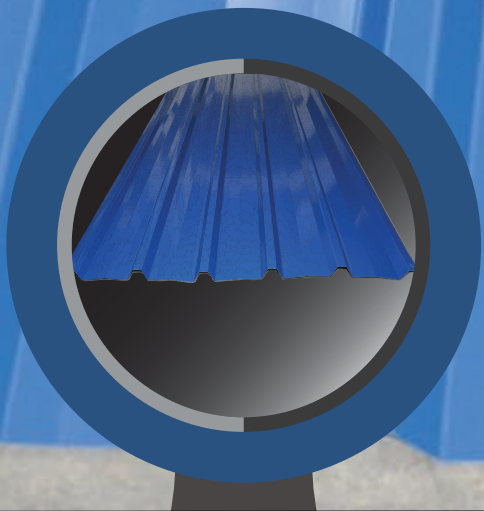


# Trimflute™

SUBTLE SQUARE FLUTED STEEL CLADDING



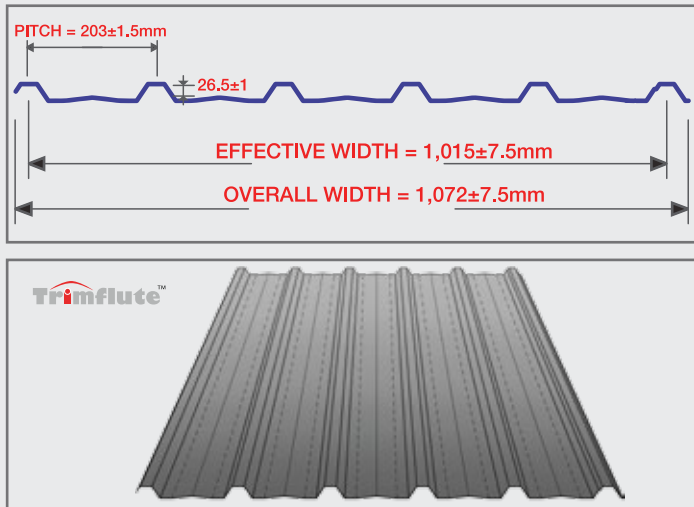
# GENERAL INFORMATION

Trimflute is an angular trapezoidal profile of five troughs and six ribs. It yields the best match between strength and economy for roofing in industrial and commercial applications. It's one of the widest covering profiles available and the incorporation of an anticapillary groove on the under lapping rib together with an under-lap heel gives it excellent weather proofing capability. Its coverage advantage over IT 4 is over 47%. The Trimflute profile can be factory cranked in both forward and reverse directions into curves of minimum 500mm radius. It can also be natural sprung without mechanical cranking for radii of 28 meters and above. All these help to enhance its use and aesthetic properties.

## SPECIFICATIONS

<b>MATERIALS</b>	<b>Protective Metal Coated Steel</b> • Aluminium-Zinc coated steel (Zincal Brand)	<b>Protective Metal Coated plus Pre-painted Steel</b> • Pre-painted Aluminium Zinc Coated Steel (Colourplus Brand)
<b>THICKNESS</b>	-0.40mm, 0.50mm and 0.60mm (Up to 0.70mm for unpainted) Tolerance : ± 10%	
<b>LENGTHS</b>	Any length from 1.0m in 50mm steps Length to cover 1m <sup>2</sup> area: 0.986M	
<b>ALLOWABLE</b>	<b>Maximum Length:</b> 12.m recommended due to transport limitations (Tolerance : +0.5%; -0%)	
<b>COLOURS</b>	Tile Red, Sky Blue, Bright Blue, Light Blue, Dark Green, Fortune Green, Lagoon, Brick Red, Maroon, Brilliant White, Light Cream, Lilac Haze, Kraft Grey and Service Grey. Bottom: Backer Grey *Special Colours or combinations of above can be supplied for quantity orders (min 1,000m <sup>2</sup> )	

## DRAWINGS

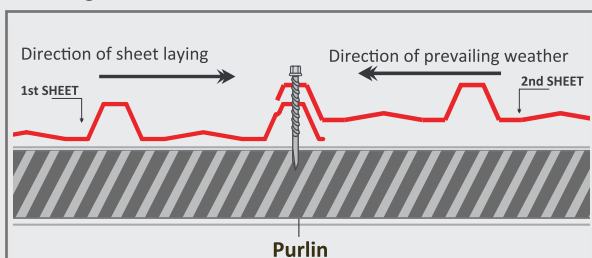


## COVERAGE CALCULATOR

To calculate the number of sheets (N) to cover a given area. Required, use the formula:  
**N = W/1.015** Where; **W** is the linear width of the roof in meters and **N** is the number of sheets.

## INSTALLATION

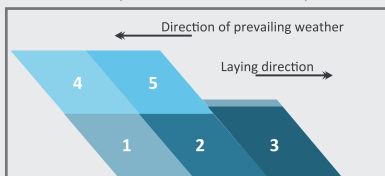
The recommended roof fixing method for the Trimflute profile is as shown in the figure below.



The recommended minimum slope / pitch for Trimflute sheets is 12.5° (degrees off the horizontal) for full-slope-length sheets (no end-lapping) and 15° (degrees off the horizontal) for sheets incorporating end-laps along the slope or as a qualified engineer may determine based on the severity of the prevailing conditions

## FIXING PROCEDURE

Lay each run of sheets in turn from side to side before moving onto the next run as depicted below. Similar procedure for wall cladding too.



## MAXIMUM PURLIN SPACINGS

This recommendation is to be taken as a guide only. A qualified structural Engineer to determine precise figures based on each project's unique loading considerations.

STEEL SHEETS SUPPORT SYSTEM			
TOTAL COATED THICKNESS (mm)	MAXIMUM PURLIN SPACINGS IN METERS		
	SIMPLY SUPPORTED (2 SUPPORTS)	CONTINUOUS SUPPORTS (3 SUPPORTS)	CONTINUOUS SUPPORTS (> 3 SUPPORTS)
0.40	0.9	1.0	1.2
0.50	1.0	1.2	1.4
0.60	1.2	1.4	1.6
0.70	1.4	1.6	1.8

RECOMMENDED ENDLAPS		ENDLAP MIN (mm)	ENDLAP MAX (mm)
SLOPE/PITCH	Less than (15°)	200	300
	Greater than (15°)	150	250
ROOF		100	200
WALLS			

## FASTENERS GUIDE

- (i) **Steel Purlins:** 55mm class 3 or 4 self drilling fasteners with Hex-washer flanged heads.
- (ii) **Timber purlins:** 60mm class 3 or 4 self drilling fasteners with Hex-washer flanged heads.

## BENEFITS

Cost Efficiency	Long Lasting	Fashionable & Stylish	Extra Wide
Light Weight	Secure	Performance	Engineered Roofing
Heritage	Repair Free	Speed of Installation & Minimized Wastage	Fire Resistant

## Going Green

Allows for water harvesting from rainwater – Once installed collection of rainwater runoff has many benefits for domestic and agricultural use.	Disposal & Recycling – Disposal if needed will be by the standard steel recycling process of recycling in a steel recovery plant into new steel products. This is simple and the greenest way to build.
Manufacturing process - majority of the water used in the manufacture of this material is recycled. Air and fume emissions comply with the environmental regulation laws.	