

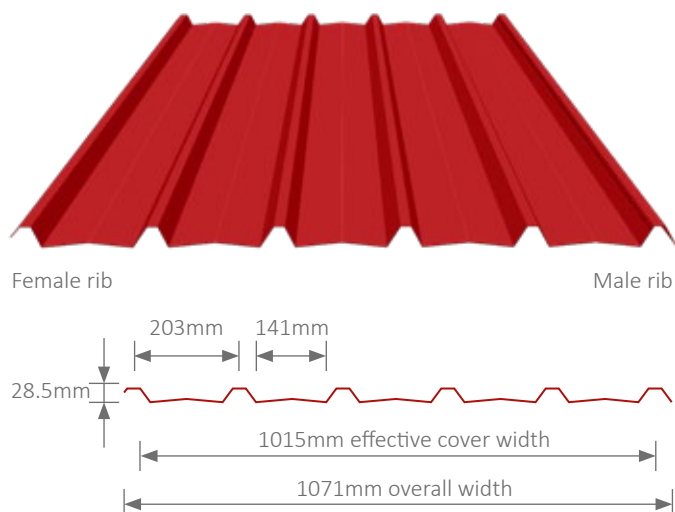
Trimflute® is a subtle square fluted profile. The flute and discrete stiffening ribs in the pan give the profile its strength as well as its long spanning capabilities. Trimflute® can be used as a roofing as well as a cladding profile.

The square flutes of Trimflute® ensure excellent drainage characteristics. The contemporary appearance of Trimflute® is aesthetically appealing.

SAMPLE SPECIFICATION

Safintra 0.50mm thick, Zinal® AZ 150 Trimflute® profile roof sheeting, fixed to internal steel purlins at 1700mm centres and to ridge and eaves purlins at 1500mm centres, with Fixtite™ or Safintra approved #12 x 65mm hex head self-drilling screws at every second crest, internal purlins at every crest. Eave purlins side laps to be stitched at 500mm centres between purlins with #14 x 22mm metal-fix stitching fasteners, all in accordance with the manufacturer's recommendations.

The sheeting shall be Trimflute® type profile as manufactured by Safintra. The profile shall be roll-formed with 6 trapezoidal ribs at 203mm centres with a net cover of 1015mm. The rib height shall be 28.5mm 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 |
| Aluminium | Gauge (mm) |
| Unpainted or pre-painted | 0.80 |
| Zinc-coated steel | Gauge (mm) |
| Z200 / Z275 ISQ550/ISQ300 Unpainted or pre-painted | 0.50 0.58 |

Material and coating thickness can vary regionally. Consult your local Safintra branch for availability.

Note 1: Trimflute® does not get cranked in South Africa.

Note 2: During installation, clean the roof daily by removing all swarf, pop rivets and unused fasteners or any other debris.

Note 3: Trimflute® is a handed sheet with a capillary break on one side and should be installed accordingly.

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 |
|---------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------|
| Material | Aluminium-Zinc coated steel | Aluminium-Zinc coated steel | Aluminium-Zinc coated steel | Aluminium-Zinc coated steel | Aluminium |
| Roofs | mm | mm | mm | mm | mm |
| Single span | 1200 | 1300 | 1500 | 1600 | 900 |
| End span | 1400 | 1500 | 1600 | 1800 | 1100 |
| Internal/double span | 1600 | 1700 | 1800 | 1900 | 1300 |
| Cantilever | 150 | 150 | 200 | 200 | 150 |
| Side cladding | | | | | |
| End span | 1600 | 1800 | 2000 | 2200 | 1300 |
| Internal span | 1900 | 2100 | 2300 | 2500 | 1600 |
| Cantilever | 200 | 200 | 300 | 300 | 250 |
| Approximate mass (kg/m ²) | 4.30 | 4.57 | 4.85 | 5.03 | 2.69 |

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



FIXING GUIDE

Trimflute® 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. It's further recommended that every rib is fixed at the eaves, ridges and the apex of the roof. The rib of Trimflute® with the capillary groove is always the underlap. It is generally considered good practice to use fasteners alongside laps.

FASTENERS FOR TRIMFLUTE®

| | Roof | Side cladding |
|--------|--------------------------------|-------------------------------|
| Steel | #12 x 65mm metal-fix hex head | #12 x 25mm metal-fix hex head |
| Timber | #12 x 85mm 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 4: Safintra recommends the use of Fixtite™ or Safintra approved Class 4 fasteners.

LENGTHS AND 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.

DIMENSIONAL 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 5: 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*

