



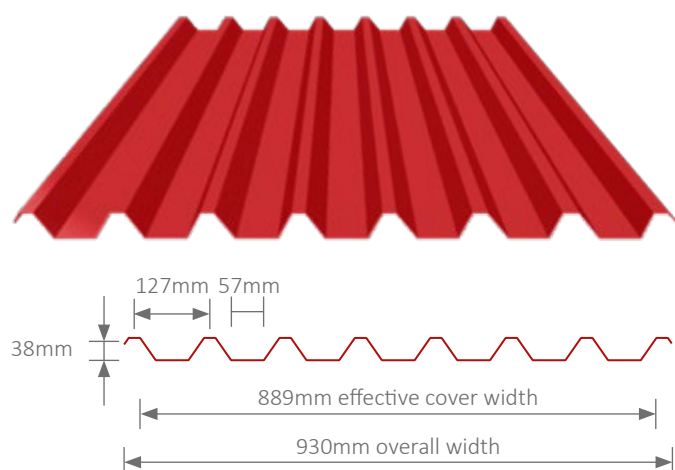
Fluteline® is an angular trapezoidal fluted profile sheet with similar characteristics to IBR but having an effective cover of 889mm, which is wider than IBR.

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 of our trapezoidal profiles. 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 Zinca® AZ 150 roof sheeting, fixed to intermediate steel purlins at 2500mm centres and eaves and ridge purlins at 2200mm centres, using #12 x 65mm metal-fix self-tapping fasteners with a bonded washer. Side laps to be secured using #14 x 22mm metal-fix stitching fasteners with a bonded washer over purlins and at centres not exceeding 500mm with #14 x 22mm metal-fix 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 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 |

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: Fluteline® is not rolled with stiffener ribs.

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

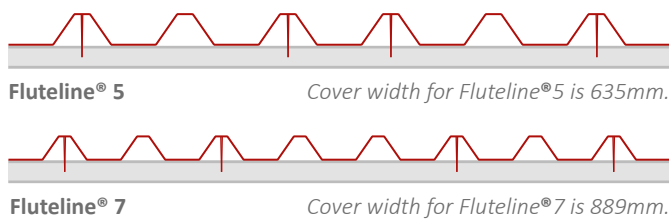
Note 3: Safintra recommends the use of Fixtite™ or Safintra approved Class 4 fasteners.

PURLIN SPACINGS

Purlin 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 | 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/m ²) | 4.91 | 5.22 | 5.54 | 5.74 | 3.07 |

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



FIXING GUIDE

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 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. Side laps to be sealed using a suitable butyl product or neutral cure Silicone. Refer to the Fixtite™ fastener section for fixing guidelines.

FASTENERS FOR FLUTELINE®

| | 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 | | |

LENGTHS AND ROOF PITCH

Fluteline® 7 sheeting can be ordered in any length, subject to transport limitations, up to 13.2m. Longer lengths require special transport arrangements. 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°.

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 4: 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*

