ET-FT-PG_V2

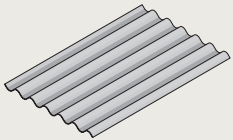
Eternit

FarmTec Pocket Guide

etex inspiring ways of living

Fittings

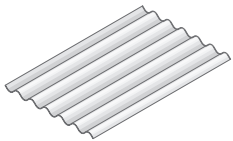
FarmTec



FarmTec sheets

Overall width - 1095mm **Cover width** - 1050mm

Sheet lengths: 1220, 1375, 1525, 1675, 1825, 1975, 2125, 2275, 2440, 2600, 2750, 2900, 3050mm

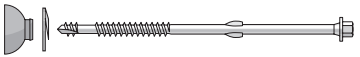


Polycarbonate rooflights

Overall width - 1097mm
Cover width - 1050mm

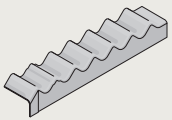
Sheet lengths: 1525, 1675, 1825, 2275, 2440, 2750, 2900, 3050mm

FarmTec



Topfix fasteners

Timber purlins (50x75mm) -
6,5 x 130mm Carbon Steel
6,5 x 130mm Stainless Steel
Steel purlins (1-3mm) -
6,3 x 105mm Carbon steel
6,3 x 120mm Bimetal / stainless steel

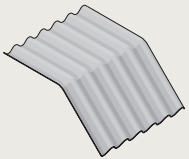


Eaves corrugation closure

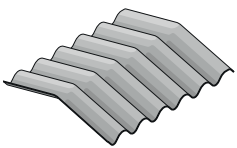
Cover width - 1050mm
Leg height - 70mm

Fittings

FarmTec

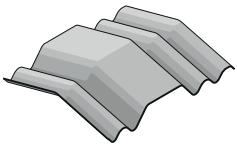


Eaves bend
Standard girth - 1000mm
Suitable for roof pitches - 15°

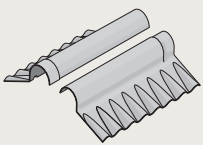


Cranked crown
Overall width - 1087mm **Cover width** - 1050mm
Girth - 750mm or 900mm
Suitable for roof pitches - 12.5°, 15°

FarmTec



Cranked vent
Overall width - 1087mm **Cover width** - 1050mm
Girth - 750mm or 900mm
Suitable for roof pitches - 12.5°, 15°

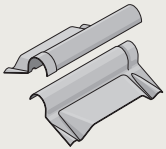


Two-piece close fitting ridge
Overall width - 1130mm **Cover width** - 1050mm
Suitable for roof Pitches - 10° - 45° (adjustable)

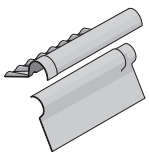
Note: Cover widths indicated make allowance for overlap

Fittings

FarmTec

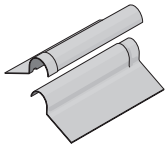


Two-piece ventilated ridge
(optional extra – plastic ventilation piece)
Overall width - 1130mm **Cover width** - 1050mm
Suitable for roof pitches - 10° - 45° (adjustable)

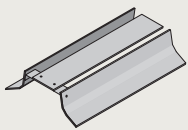


Two-piece north light ridge
Overall width - 1130mm **Cover width** - 1050mm
Suitable for roof pitches - 10° - 45° (adjustable)

FarmTec



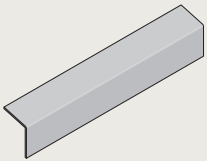
Two-piece plain wing ridge
Overall width - 1130mm **Cover width** - 1050mm
Suitable for roof pitches - 10° - 45° (adjustable)



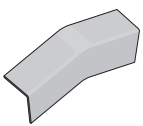
Open protected ridge & soffit strip
Overall width - 2300mm **Cover width** - 2200mm
Wing length - 250/250mm
Soffit strip available in:
Fibre cement - 300mm or 400mm **Thickness** - 9mm
Polycarbonate - 300mm or 400mm **Thickness** - 6mm

Fittings

FarmTec

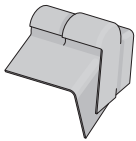


Plain wing bargeboard
Overall lengths - 1800mm, 2440mm, 3000mm
Wing dimensions - 300 x 300mm

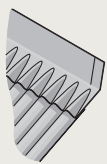


Cranked plain wing bargeboard
Girth: 1300mm
Suitable for roof pitches - 12.5°, 15°
Wing dimensions - 300 x 300mm

FarmTec



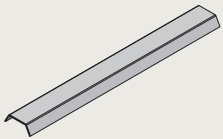
Two-piece hooded finial
For use with two piece ridge systems and 300 x 300mm plain wing bargeboards
Suitable for roof pitches - 10° - 45°



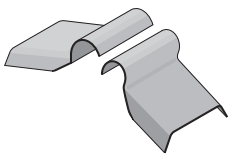
Apron flashing piece
Overal width: 1100mm
Cover width: 1050mm
Angle: 120° **Height:** 131mm

Fittings

FarmTec

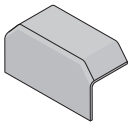


Movement joint
Overall lengths: 1525, 2440, 3000mm
Width: 310mm

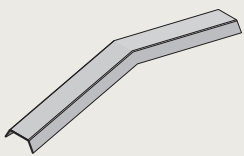


Two-piece movement joint ridge
Width: 330mm
(for use with the two-piece ridges)

FarmTec



Movement joint end cap
Width: 310mm



Cranked movement joint ridge
Girth: 1300mm
Width: 330mm
(for use with the crank ridges)

FarmTec

Eternit FarmTec fibre cement corrugated sheets have a side lap of a ¼ corrugation. The side of the sheets finishes with an upwards edge for the underlap and a downward edge for the overlap.

The FarmTec sheets are available in Natural Grey, Farmscape Anthracite, or a diverse range of colours.

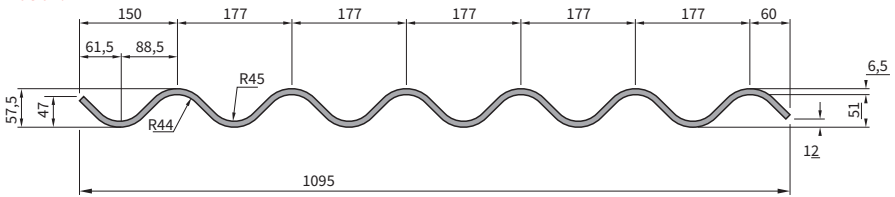
In order to guarantee consistent quality, they are produced by the means of the most advanced process technologies. The coloured sheets are finished with a premium two layer acrylic coating system. Farmscape Anthracite fittings may weather at a different rate to the sheets, this is due to the manufacturing process for the fittings.

Corrugated fibre cement sheets exposed to an aggressive environment may have a reduced service life due to chemical attack/deterioration.

Please contact our technical department for more information.

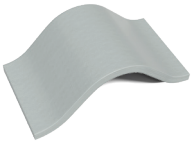
FarmTec Natural Grey, and painted sheet lengths (mm):
1220, 1375, 1525, 1675, 1825, 1975, 2125, 2275, 2440, 2600, 2750, 2900, 3050.

FarmTec Farmscape Anthracite lengths (mm):
1525, 1675, 2440, 2750, 2900, 3050

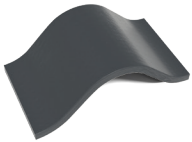


Colour range

Natural Grey



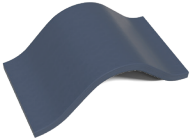
Farmscape Anthracite



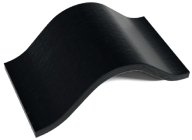
Dark Brown

Dark Green

Midnight Blue



Black



Weather-resistant
Provides long-term protection against all weather conditions.

Breathable, moisture and climate-regulating
Humidity in the form of water vapour is purposefully absorbed and reduces the formation of condensation droplets.

Soundproofing
Sound-suppressing fibre cement helps manage noise in the indoor environment.

Lightweight
With the use of reinforcing fibres, allows for a light weight roof covering per m^2.

Fire rating Class A2-s1,d0
Fire classification when tested against the EN13501-1, is A2-s1-d0.

Description, performance and properties

Technical data

	FarmTec
Overall Width	1095mm
Net covering width	1050mm
Thickness	6.5mm
Corrugation height	57.5mm
Depth of profile	51mm
Pitch of corrugations	177mm
Side lap	47mm
Minimum end lap	200mm
Maximum purlin centres	1375mm
Maximum rail centres	1730mm (up to 10m) 1425mm (above 10m)
Maximum unsupported overhang	300mm
Min roof pitch	10°

Approx weight of roof laid, with 200mm endlaps, including fixings, Single span - approx 24kg/m2. Double span - approx 16kg/m2.

(Does not include fixing purlins or roof structure)

Properties

	FarmTec
Profile height category	C
Density (nominal)	1400kg/m3
Reaction to fire	A2, s1-d0
Fragility	Class C
Thermal conductivity	0.4W/mK

Note: For individual sheet and fitting weights please contact the technical team directly.

Lap and sealing requirements

When using profiled sheeting the wind loadings of a location are critical to ensure the optimal sealing requirements.

Step 1 – Exposure

Determine the expected degree of exposure by examining the map on page 21.

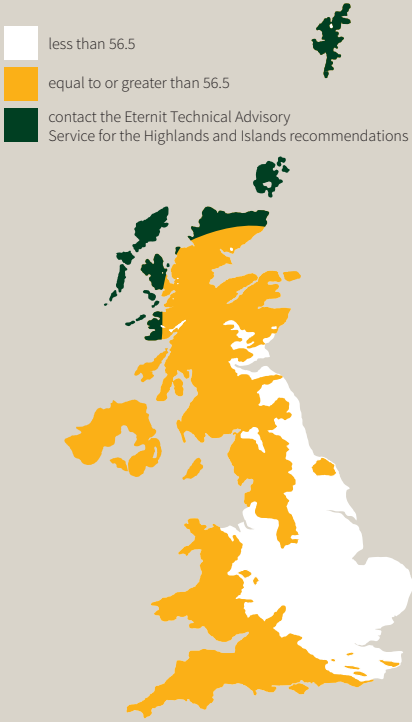
Step 2 – Centres of support

For FarmTec: Purlins centre at a maximum 1375mm

Step 3: Lap and seal:

Lap and seal: Establish requirements for lapping and sealing by reference to the exposure zones map of the UK and the tables on page 21.

Note: Buildings that stand above their surroundings or are in an area with no wind breaks within 1km, such as coasts or hilltops, should be considered areas of exposure one category above their geographic area.



Lap and sealing requirements

Sheltered exposure

Exposure to wind driven rain less than 33 l/m² per spell

Minimum Roof pitch	Max Slope Length (eaves to ridge)	Minimum End Lap	End Lap Treatment	Side Lap Treatment*
>20°	40m	200mm	Unsealed	Unsealed
>15° to <19°	40m	200mm	Unsealed	Unsealed
>12° to <15°	35m	200mm	Sealed	Unsealed
>10° to <12°	30m	200mm	Sealed	Sealed

*Mitre joint to be sealed

Moderate exposure

Exposure to wind driven rain 33 to less than 56.5 l/m² per spell

Minimum Roof pitch	Max Slope Length (eaves to ridge)	Minimum End Lap	End Lap Treatment	Side Lap Treatment*
>20°	40m	200mm	Unsealed	Unsealed
>15° to <19°	35m	200mm	Sealed	Sealed
>15° to <19°	35m	300mm	Unsealed	Unsealed
>12° to <15°	30m	200mm	Sealed	Sealed
>10° to <12°	25m	200mm	Sealed	Sealed

*Mitre joint to be sealed

Severe exposure

Exposure to wind driven rain 56.5 to less than 100 l/m² per spell

Minimum Roof pitch	Max Slope Length (eaves to ridge)	Minimum End Lap	End Lap Treatment	Side Lap Treatment*
>20°	30m	200mm	Unsealed	Unsealed
>15° to <19°	30m	300mm	Unsealed	Unsealed
>12° to <15°	25m	300mm	Sealed	Sealed
>10° to <12°	20m	300mm	Sealed	Sealed

*Mitre joint to be sealed

Very severe exposure

Exposure to wind driven rain >100 l/m² per spell

Minimum Roof pitch	Max Slope Length (eaves to ridge)	Minimum End Lap	End Lap Treatment	Side Lap Treatment*
>20°	40m	200mm	Sealed	Sealed
>15° to <19°	40m	300mm	Sealed	Sealed
>12° to <15°	35m	300mm	Double Sealed	Sealed
>10° to <12°	30m	300mm	Double Sealed	Sealed

*Mitre joint to be sealed

Fixing position

Profiled sheeting should always be fixed with 2 fasteners per sheet per purlin, no more and no less. The fixing position for FarmTec is corrugation 2 & 5.

Fasteners should be installed perpendicular to the plane of the roof.

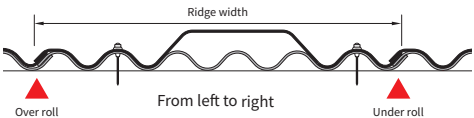
With some types of insulated cladding, or where sealant has been used, sheet settlement can take place. It may be necessary to retighten the fixings after a suitable period.

- Fixing is central on the purlin
- 75mm from the top edge of the under sheet, 125mm up from the bottom of the top sheet when using a min 200mm head lap

Note: When fixing to timber purlins, BS 5268: Structural use of Timber, recommends that the minimum edge distance of the fixing should be five times the fixing diameter to avoid undue splitting of the timber.

Fixing position for cranked vent ridge

Fixing position from cranked vent ridge from ventilated crank crowns are 2 & 6.

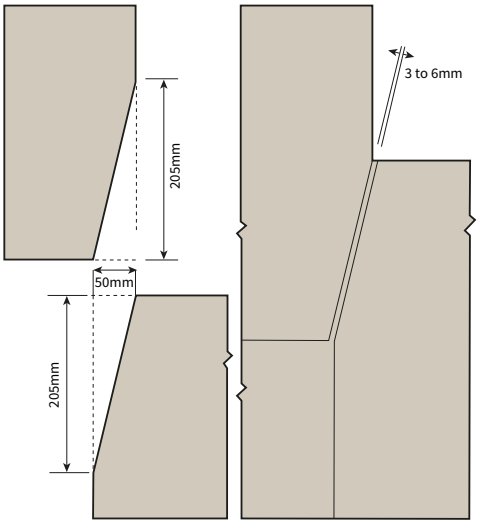


Mitring

To avoid four thickness's of sheeting at the junctions the side and end laps, it is necessary for two of the sheets at each junction to be mitred at the corners so that they lie in the same plane.

Mitres on FarmTec sheets should be cut from a point 205mm up the vertical edge from the corner (or the amount of the end lap) to a point 50mm along the horizontal edge, i.e., the width of the side lap by the length of the end lap.

The gap between mitres should be a minimum of 3mm to a maximum of 6mm. Box mitres should be avoided. The mitred joint is covered top and bottom by the other two sheets and is weatherproof and unseen. (See typical mitring details below.)



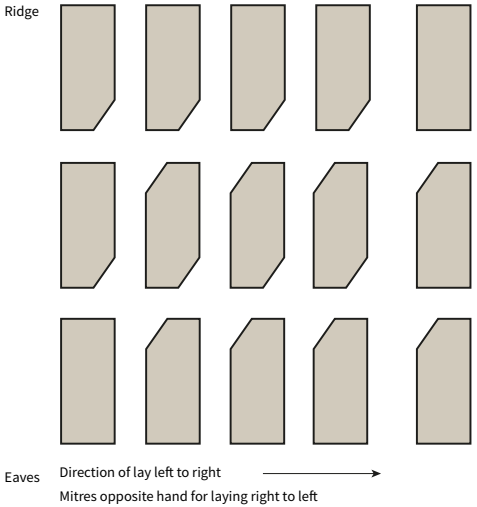
Note: Mitres must not be cut in situ.

Mitring layouts

The procedure for mitring the sheets for single and double slope roofs is indicated on the mitre plans below (Figs.2-3).

On double slope roofs with two-piece adjustable close-fitting ridges or cranked crown ridges, one slope must be laid left to right and the other right to left.

Fig.2 Mitring plan - single slope roof

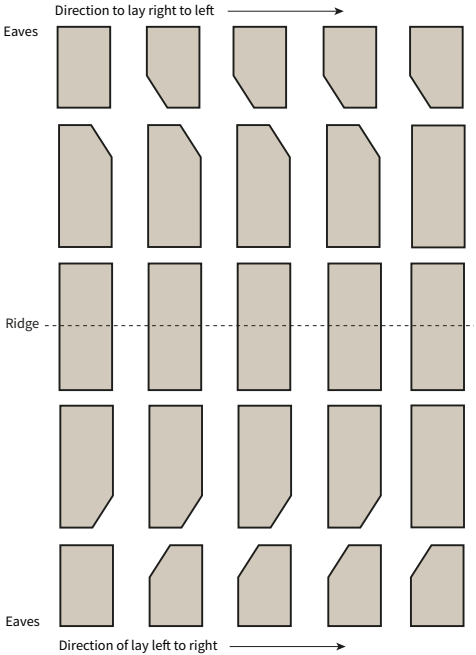


Note: All mass-produced building products are allowed certain dimensional tolerances. This applies to both profiled fibre cement sheets and steelwork. Because of these permitted variations in dimensions, regular checks should be carried out on measurements at mitres, and adjustments made as and when necessary.

Mitring requirements for ridge type

FarmTec Ridges are not required to be mitred and the top of the FarmTec sheets adjoining the ridges are also not required to be mitred.

Fig.3 Mitring plan - double slope roofs



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All previous issues here within lapse, with this edition.

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The photography shown in the document should not necessarily be taken as recommendations of good practice.
The display and printing process restricts the exact representation of colours. For true colour reference, please request product samples.

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