



c^ecence | MARGENT FARM
CORRUGATED HEMP & BIO RESIN BOARDS

Material

Our corrugated sheets are made from Hemp fibres within bio-resin matrix . They can be used as a rain screen in the way you might use corrugated steel, PVC and bitumen sheets. Hemp represents a huge eco value over traditional materials such as plastic, with extremely high carbon sequestration. The high natural cellulose content (60- 70%) of the plant makes it a great plastic alternative.

Info

The sheets can be used externally to form a rain screen or internally as ceiling or wall linings or other acoustic treatments. The product is natural and like timber exposed to UV the colour will lighten over time.

**As with timber there is some water absorption if left untreated.*



Material

Hemp non-woven fibre blended with farm bio-waste resin that consists of corn cob, oat hulls, bagasse etc...

Sheet	Code	Width (mm)	Length (mm)
Corrugated Std or FR (BS EN 13501-1 Class B, s2, D0)	13 x 3	1,050	1,200
	CORRUGATED		
Sample (Corrugated)	'14 x 3'	180	180
	CORRUGATED		

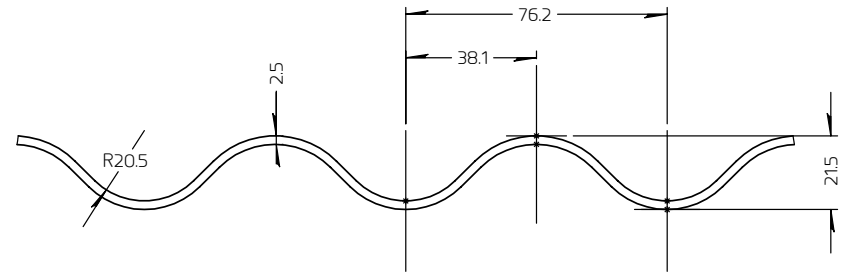
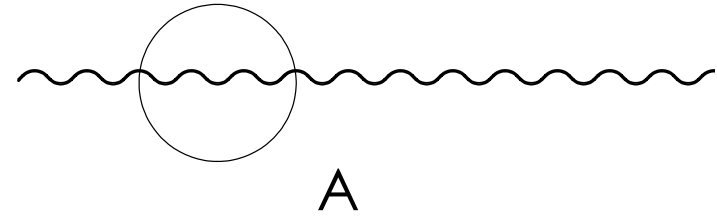
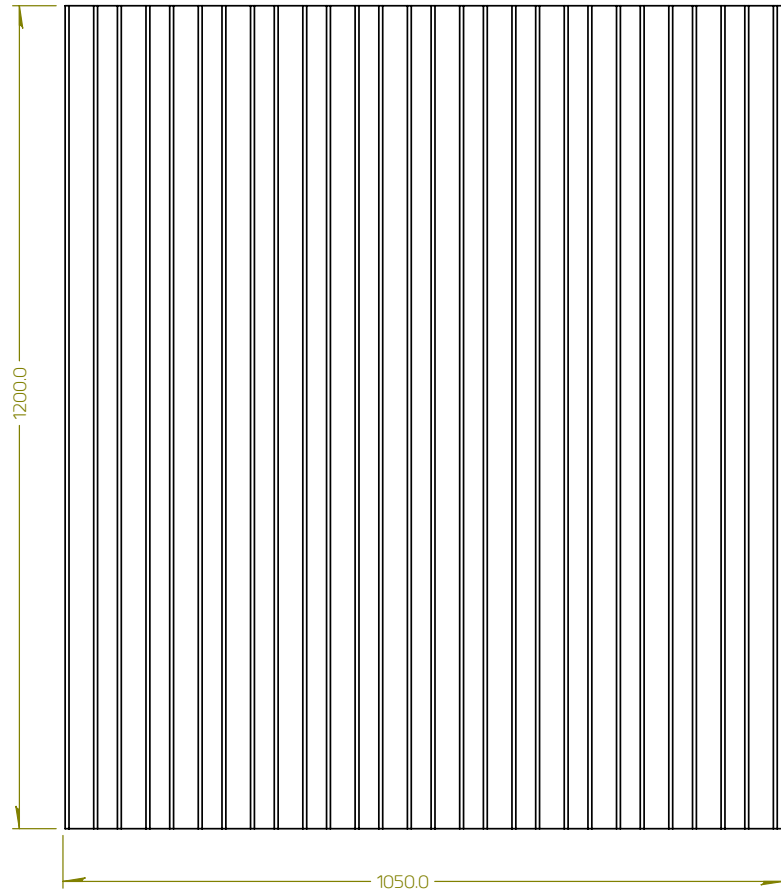
- Prices subject to order quantity

Technical

Type	13/3 Corrugated
Length (Corrugated)	1.2m
Width (Corrugated)	1.05m
Thickness	2.5mm
Weight	3.9kg
Fire certification	BS EN 13501-1 to Class C, s2, D0. (upon request)
Intended use	Rain screen / interior design features

Design

Form 13/3



DETAIL A

SCALE 1 : 2

Rain screen

A rainscreen is an exterior wall detail where the siding (wall cladding) stands off from the moisture-resistant surface.

Installation

Like that of cement-fibre corrugations.

It is suggested that when installing natural fibre corrugated boards on the roof, the corners should have a small mitre on opposite corners of a 4-board overlap. This is so that only two of the boards overlap to prevent excess ingress of moisture behind the boards or any excess bending that will cause the board to warp. Each board not on the perimeter should have two mitres. The opposite mitres will butt against each other to reduce the stacking of the overlap.

Suggested overlaps

Vertical overlap, 10cm

Horizontal overlap, 2 ridges (15cm)

Fixings

All fixing spots should be pre-drilled. Each board should have two fixing points on each purlin/studbar. Drill a 2mm larger hole than the fixing on the peak, NOT valley, of the board. Insert the fixing and a sealing washer, ensure the sealing washer is tightened correctly to prevent water ingress.

Weathering

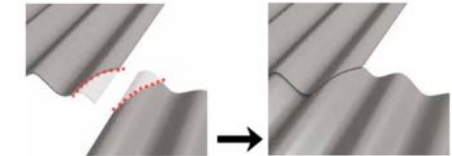
Our Hemp panels are made from natural fibres and a natural resin system. They will weather and change in colour over time unless they are treated or painted. Being a natural fibre, it will absorb water and sun light will lighten its colour.

Fire rating (FR)

BS EN 13501-1 to Class C, s2, D0. (upon request)



For technical support, please contact info@cecence.com



Corrugated sheet pricing

We endeavour to carry stock for small order, demand is high so stock is not always guaranteed

To place an order, please email info@margentfarm.com. A member of the team will be in touch to discuss your requirements.

Sheet	Code	Width (mm)	Length (mm)	Price each £ + vat and carriage
Corrugated Std	13 x 3 CORRUGATED	1,050	1,200	£69.99 *
Corrugated FR	13 x 3 CORRUGATED	1,050	1,200	POA
Sample (Corrugated)	'13 x 3' CORRUGATED	180	180	£9.60

- *Prices subject to order quantity*
- *Packaging and Shipping not included*
- info@cecence.com

Values

Despite the extraordinary threat to human health at this time we're continuing our hemp adventure, creating materials that will help support the health of our Planet Earth. A journey that began for us by literally growing the Margent farmhouse and HQ in Cambridgeshire.

The Research & Development has been extensive and costly and we're now seeking the support of the wider community to join the venture and make our materials a larger-scale production reality. We're confident that our new partnership with composites experts Cecence <http://www.cecence.com/> pioneers of energy efficient and sustainable composite manufacturing, will deliver a viable natural product for the construction world.

Air, Sea, Earth & Us

Hemp in these times is an undervalued crop that sequesters carbon from our atmosphere at an extraordinary rate (15 tons CO2 per Hectare). We can all help by locking that carbon into projects that we can all use. Hemp has 60-70% cellulose, a building block for a plastic that doesn't damage our oceans. The seeds give us extremely healthy foods full of omega 3,6, & 9 and the long plant roots help to de-compact our much beleaguered top soil.

Contact:

info@margentfarm.com
for samples

info@cecence.com
for corrugated & flat
sheets & technical
support

