FARMFIT

EUROSIX FIBRE CEMENT PROFILED SHEETS

EUROSIX fibre cement profiled sheets provide the optimal roofing or cladding solution for any agricultural, industrial, commercial and domestic building.

The fibre cement sheet **allows natural ventilation** to a building, **absorbs condensation** and **promotes the flow of fresh clean air**. It also provides natural thermal properties and acoustic insulation offering protection against harsher weather conditions.

EUROSIX fibre cement profiled sheets comes with a range of accessories designed to offer ventilation options to suit every building type.

CATTLE BUILDINGS

PIG UNITS

SHEEP SHEDS

HORSE STABLES

FOOD STORAGE

GRAIN STORES

MACHINERY HOUSING

STRAW/HAYLAGE STORAGE

FARM BUILDINGS

INDOOR RIDING ARENAS

MULTIPURPOSE BUILDINGS

WORKSHOPS

sales@farmfituk.com • www.farmfituk.com • 01576 204 963

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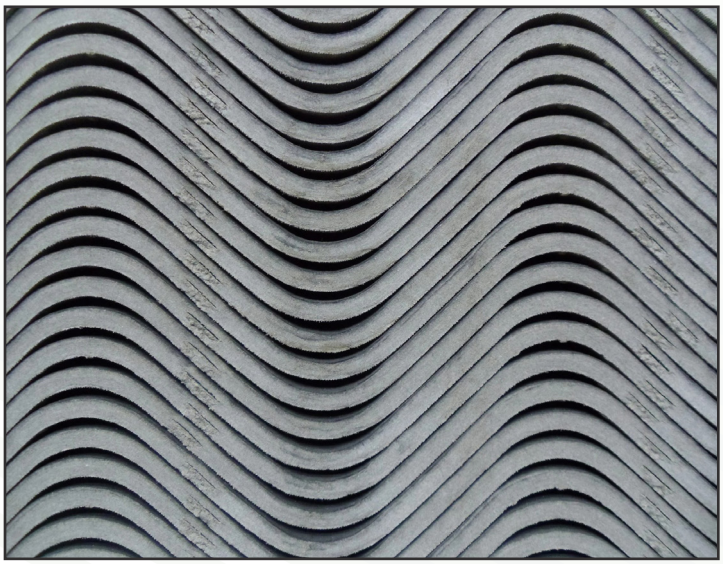
What is Fibre Cement?

Fibre Cement is a composite building & construction material invented in the 19th century, used in many roofing and facade products because of its rigidity and durability - a well-designed installation can have a lifespan of over 50 years.

EUROSIX is a strong fibre cement sheet reinforced with polypropylene strips that have been inserted in specific locations which run across the entire length of the sheet, providing maximum impact strength without negatively affecting the look, durability and practability of the product. Along with the inherent material properties of fibre cement - fire resistance, corrosion resistance, low thermal conductivity - our Eurosix fibre cement sheets are an ideal maintenance free product for use on agricultural buildings.



Fibre Cement Composition

Why use Fibre Cement?

- Excellent acoustic insulation.
- Low thermal conductivity reduces heat build-up in the Summer and heat loss in the winter
- Vapour permeability significantly reduces condensation
- High resistance to corrosion.
- Maintenance free product.
- Normal life expectancy of >50 years.
- Class 1 fire rated & complies with BS EN 494 requirements for Class 1X sheeting
- Manufactured to a quality system registered under BS EN ISO 9001.

Advantage	Fibre Cement	Metal Profiles
Combustibility	Class 1 fire rating	Class 2 fire rating
Material is water resistant	✓	✓
Resistant to rotting and warping	✓	✗
Lifespan	**>50 years**	Up to 20 years
Moisture Absorbency	Up to **25%** of its weight	✗
Insulation	✓	✗
Minimises Condensation	✓	✗
Acoustic Insulation	✓	✗

Accessories - ridges, barges, and more!

Along with our range of EUROSIX Fibre Cement sheets, we also sell a complete range of accessories and other elements, so you can install a complete new roof.

- Ridge sections
- Barge boards
- Roof lights
- Finials
- Flashings
- Fixings
- Purlins

Speak to our sales team to order everything you need to install your new roof.

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Colours

CONDENSATION CONTROL
Not only is our EUROSIX fibre cement sheets water resistant, but with efficient ventilation they also have the ability to absorb up to 25% of its own dry weight in moisture to then evaporate it in different conditions. With this advantage, this is one of many key features in reducing and controlling condensation.

SOUND INSULATION
Unlike metal profile sheets, our fibre cement sheets has been tested to have an average sound reduction value of 28 decibels. This is especially useful within the equestrian sector and livestock buildings because normally horses can scare quite easily so our fibre cement sheets act as a good sound reduction layer.

DURABILITY
EUROSIX fibre cement sheets have a normal life expectancy of at least 50 years, however we would always advise to look into the durability of the fixings applied onto the product.

IMPACT RESISTANCE
The test for fragility of roofing assemblies ACR (M) 001: 2005 consists of a 45kg bag being dropped from a height of 1200 mm onto a sample of roofing. The purpose is to provide information to prove that the sample roof can withstand instantaneous imposed weights which are designed to impersonate a person falling or dropping onto it. If the sample load does not break through the sample roofing structure, the roof is then classified as a Class C non-fragile roof.

Our EUROSIX fibre cement sheets meets the Class C non-fragile roof classification with the help of our reinforcement strips manufactured into the product.

THERMAL CONDUCTIVITY
Due to the low thermal conductivity of the fibre cement sheets, it helps reduce heat build-up in the Summer whilst in the Winter, it helps prevent heat loss. The thermal conductivity value is 0.34 V/mK.

REINFORCEMENT STRIPS
Manufactured into our EUROSIX fibre cement sheets are polypropylene reinforcement strips inserted at precise locations which run along the entire length of the sheet; providing maximum impact strength without affecting the durability and style of the product. The reinforcement strips manufactured into our fibre cement sheeting are wider, stronger and strategically placed inside of the product making them the highest spec used in any fibre cement sheeting.

MAINTENANCE
Our natural grey and Meadowscape fibre cement sheets require zero maintenance in order to achieve the products expected lifespan, however for sheets in our standard/extended colour range, they should be ‘treated’ every 10-20 years.

PRODUCT WEIGHT
All of our fibre cement roof sheet weights will vary depending on the chosen length required for structures design. The average installed dry weight when laid is 18.0kg/m2.

FIRE REACTION
Our fibre cement sheets are Class 1 fire rated and has been tested to the standard BS 476/7 of 1997.

WATER RESISTANT
Our EUROSIX fibre cement roof sheets are classified as water resistant meaning that water exposure (both light impact and heavy) will not ever negatively impact the face of the sheets. Our fibre cement sheeting is water resistant and follows in-line with the BS EN 494 standard.

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Colours

Our Fibre Cement EUROSIX Roof Sheeting is offered in Natural Grey as standard, however other colours can help a building fit into a landscape seamlessly - which can assist with planning approvals.

Natural colour

Standard colour range

Natural Grey

Meadowscape

Juniper Green

Van Dyke Brown

Slate Blue

Beaver Brown

Moorland Green

Extended colour range

Black

Gun Metal Grey

Cloud Grey

Olive Green

Tawny/Tile Red

Russet Mid Brown

Reed Green

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Accessories & Fixings

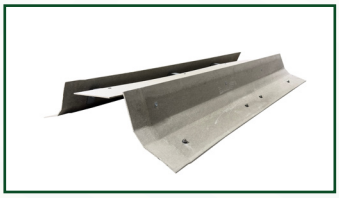
We offer a complete range of accessories to finish off your roof - and fixings to keep it in place! Contact our team to find out more about any of the items shown below.

One-piece Ridges

Close Fitting

Ventilation

Specialist Ventilation Ridges



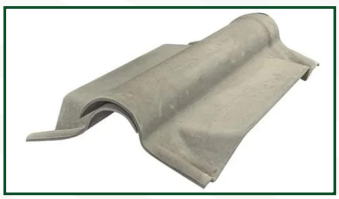
Open Protected Ridge System

Raised "Umbrella" style Ridge

Two-piece Ridges

Close Fitting

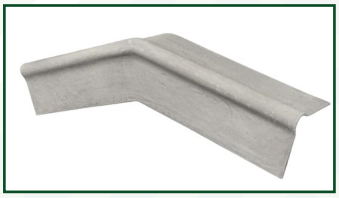
Plain Wing



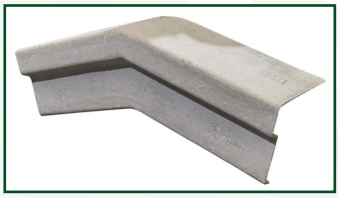
Ventilation

Cranked Barge Boards

Plain Wing



Rolled-Top



Vergeline

Straight Barge Boards

Plain Wing

Rolled-Top

Vergeline

Finials

Diamond

Disc

Two-Part Hooded

Fixings

For use with Wooden purlins

For use with Metal purlins

Roof Lights

Also available; Roof Light sheets with matching profile

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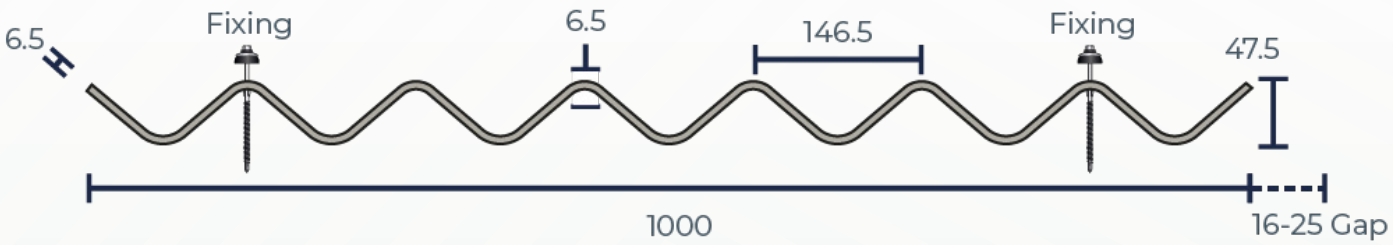
Technical Specifications



Technical Data	
Overall width	1086mm
Cover width	1016mm
Thickness	6.5mm
Corrugation pitch	146.5mm
Depth of profile	47.6mm
Side lap	70mm
Minimum end lap	150mm
Minimum roof pitch	5°
Maximum unsupported overhang	350mm
Standard colour	Natural grey
Class	C1X
Maximum purlin centres	1375mm
Maximum rail centres	1825mm
Approx. weight when installed	17kg/m^2

Lengths & Weights

Sheet Length	Dry Weight	Measurements (units)		
		FT	IN	M
1375mm	22.37kg	4'6"	54	1.375
1520mm	24.80kg	5'	60	1.52
1675mm	27.29kg	5'6"	66	1.675
1825mm	29.81kg	6'	72	1.825
1975mm	32.58kg	6'6"	78	1.975
2125mm	34.70kg	7'	84	2.125
2275mm	37.31kg	7'6"	90	2.275
2440mm	39.75kg	8'	96	2.44
2600mm	42.35kg	8'6"	102	2.6
2740mm	44.64kg	9'	108	2.74
2900mm	47.27kg	9'6"	114	2.9
3050mm	49.70kg	10'	120	3.05

Health & Safety Datasheet

a) Identification of product

Trading Names:

Eurosix Profiled Sheets and Fittings
EUROSIX®

Application:

Roofing and/or cladding applications

Product details:

Fibre cement sheets feature a lightweight yet robust corrugated design, offering a textured and sturdy surface. They're available in the standard manufactured colour of Natural Grey, or in any colour from the Standard and Extended Colour Ranges.

Manufacturer:

Briarwood Landini srl
Via Eugenio Curiel,
27A,
42024 Castelnovo di Sotto RE,
Italy
Tel: (+39) 0522 688811

Distributor:

FarmFit Ltd
Unit 1, Kellwood Business Park
Kellwood Road
Dumfries
DG1 4HF
Tel: 01576 204 963

b) Composition and description on ingredients

EUROSIX fibre cement sheets incorporate polypropylene reinforcement strips along the entire length of the sheet in specific corrugations.

The fibre cement sheets are manufactured and composed from a combination of cement, air, water, cellulose and reinforcement fibres.

EUROSIX is classed as a finished product, and is not a substance.

c) Identification of health hazards

When fibre cement sheets are cut or machined mechanically, they can generate dust that may cause respiratory irritation when inhaled at high concentrations. The dust can also lead to irritation of the eyes and skin.

To enhance impact resistance, profiled sheets are reinforced with polypropylene strips. It is important to avoid walking on any fibre cement product as it can negatively affect its long-term durability. Instead, the use of crawling boards is recommended.

It is essential to be aware of the potential hazards associated with mechanical processing (e.g., drilling, sawing, grinding) of the product:

- Temporary irritation of the eyes, throat, and bronchial passages may occur.
- Prolonged skin contact with the product may cause slight irritation, especially in sensitive individuals.
- Similar to other organic and non-organic dusts, prolonged inhalation of excessive dust concentrations can lead to chronic bronchitis.
- As fibre cement is primarily made from natural raw materials, there may be traces of quartz present. During mechanical processing (such as cutting, grinding, drilling), the generated dust may contain quartz particles.

d) First aid measures

The use of fibre cement does not entail any specific requirements, except for ensuring the proper handling and treatment of minor injuries.

Inhalation:

Promptly relocate to a well-ventilated area, and if needed, seek medical advice.

Skin contact:

Cleanse the affected area with water and apply a sterile dressing.

If the irritation persists, it is advisable to seek medical attention.

Eye contact:

Avoid rubbing and rinse promptly with water.

Ingestion:

Rinse promptly with water.

e) Fire resistance and measures

Fibre cement sheets are non-combustible, and Briarwoods EUROSIX fibre cement sheets hold a Class 1 fire rating.

It is important to note that while the painted surface of the sheets can burn when exposed to intense heat, it will extinguish upon removal of the ignition source. No specific fire-fighting procedures or extinguishing agents are necessary to address burning products. However, it is worth mentioning that the thermal decomposition of acrylics used in production and surface coatings could produce toxic monomer fumes.

f) Accidental damage measures

Dust should be collected using a vacuum cleaner or by soaking the area with water and sweeping up. Failure to clean up dust residue can lead to additional problems, including the potential occurrence of efflorescence, particularly on painted sheets.

g) Handling and storage of EUROSIX®

To minimize the presence of dust during mechanical processing of fibre cement sheets, it is important to implement appropriate technical and organizational measures. Consider the following guidelines:

- Utilize tools equipped with suitable filters and dust extraction systems.
- Avoid dry sweeping excess dust.
- Maintain adequate workplace ventilation.
- Regularly clean work areas, using methods such as hosing down or damp wiping.
- Take precautions to prevent skin and eye contact with the material.

It is important to store the pallets in a dry and flat manner on a level surface. On-site, they should be protected from moisture and dirt by covering them with a coloured tarpaulin, ensuring proper air circulation. During transport, the products must also be adequately covered. For more detailed instructions on storage and handling, please consult the provided installation guide.

h) Important notices

Every batch of EUROSIX fibre cement sheet undergoes the ACR[M]001:2014 Tests for non-fragility of profiled sheeting and has been certified as achieving Class C. Briarwood have gone one-step further and carried out independent tests of the same criteria and are able to provide results where their EUROSIX fibre cement sheets achieve Class B.

Briarwood's EUROSIX fibre cement sheets conform to BS EN 494: 2004 Class C1X and are covered by an EN standard, UKCA and CE Mark.

Once the fibre cement sheets have been installed on the roof, the sheets should be treated as a fragile assembly.

i) Personal protection

Recommended personal protective equipment for manual and mechanical handling:

When handling fibre cement sheets manually or mechanically, it is essential to utilize appropriate personal protective equipment.

The following protective gear should be used:

- **Gloves:** Wear suitable gloves to protect against the abrasive edges of fibre cement products. When handling wet sheets, impervious PVC or Nitrile gloves are recommended.
- **Clothing:** Use appropriate personal protective equipment to prevent contact with the wet surface of the sheets, which may contain alkali. Wet clothing should be replaced with dry garments at regular intervals to avoid cement burns, especially for individuals with sensitive skin.
- **Dust Exposure:** Minimize exposure to dust by working in a well-ventilated area. Implement dust suppression techniques whenever feasible. Avoid using angle grinders, and instead, cut the products with a normal hand saw or reciprocating saw with teeth of 3-3.5mm pitch, preferably wide set. Collect dust using a vacuum cleaner, hose down, or wet sweep work areas.
- **Eye Protection:** Wear goggles that are CE approved during cutting and drilling operations.
- **Respiratory Protection:** If other measures fail to adequately control the dust generated during mechanical machining, an approved respirator must be worn to prevent inhalation of dust particles.

j) Exposure limits

Occupational total inhalable dust in mgm^3 over 8 hours: $10mf/m^3$.
Standard respirable dust in mgm^3 over hours: $5mf/m^3$.

k) Density properties and values

In accordance to the BS EN 494 standard, the minimum breaking load of our EUROSIX fibre cement sheets when tested can be found below:

EUROSIX:	≥4250 N/m
	≥1.625 g/cm3

l) Environmental details

Briarwoods EUROSIX fibre cement sheets will not degrade in the ground due to its manufactured composition and ingredients within.

Recommended disposal instructions:

Unused fibre cement off cuts and leftover product can be managed in an environmentally responsible manner.

One option is recycling them with concrete, provided there is a facility available for such recycling.

Alternatively, these materials can be disposed of as inert waste by a registered carrier at an approved landfill site.

It is also recommended to recycle waste polythene packaging and timber pallets if suitable facilities are accessible.

To determine the preferred method of disposal, it is advisable to seek guidance from the waste disposal officer at the local authority.