Briarwood Business Park
Commerce Way
Walrow Industrial Estate
Highbridge
Somerset
TA94AG

Health & Safety Datasheet

Briarwoods EUROSIX fibre cement profiled sheets

a) Identification of product

Trading Name:
Eurosix Profiled Sheets and Fittings
EUROSIX®
Briarwoods EUROSIX fibre cement sheets

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 our standard manufactured colour, Natural Grey, or in any colour from our Standard and Extended Colour Range.

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

Distributor:
Briarwood Products Ltd
Briarwood Business Park,
Commerce Way,
Highbridge,
Somerset, UK
Tel: (+44) 1934 641446

b) Composition and description on ingredients

Briarwoods 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.

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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 firefighting 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 colored 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 our 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. We adhere to ISO 9001 (Quality) and ISO 14001 (Environment) standards. Briarwood offer a 30-year manufacturer's guarantee on all fibre cement sheets and a 10-year colour guarantee on all painted fibre cement sheets.

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

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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 mgm3 over 8 hours: 10mf/m3.
Standard respirable dust in mgm3 over hours 5mf/m3.

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 diposal 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.

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