

Health and Safety Product Data Sheet Euronit Fibre Cement Corrugated Sheets

TECHNICAL
NOTE
EPS-01-01-en-V1

1. Identification of the substance/ preparation and of the company/ undertaking Trade name:

Trade name:

EuronitFarmtec
Euronit UrbanPro

Application:

Roofing / Cladding

Product details:

Fibre Cement Sheets are light textured rigid corrugated sheets. Available in natural grey or a factory applied surface coating in various colours.

Manufacturer:

UAB "Eternit Baltic" J.Dalinkevičiaus g. 1Naujoji Akmenė, BosLT-85118, Lithuania	Etex Iberia Exteriors A-601 Lm, 21 PE Portillo 47160 Gate, Spain	Eternit B.V Haven, 12, 7471 LV Goor, Netherlands
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Distributor for the UK market:

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2. Composition/information on ingredients Description:

Fibre cement corrugated sheets with polypropylene strips in certain corrugations.

This product is not a substance or a preparation, but a finished product.

It is composed of cement, fibre, pulp, water and additives. Coating is acrylate based.

3. Hazards identification Description of hazards:

If cut or machined mechanically, fibre cement sheets will release dust. Inhalation of high concentrations of dust may irritate the airways. The dust may also cause irritation of the eyes and/or skin.

Profiled sheets are reinforced with polypropylene strips to improve their impact resistance. No fibre cement product should be walked on, as this will affect its long-term durability, crawling boards must be used.

Dangers from mechanical processing (drilling, sawing, grinding, etc.) of the product:

- Temporary irritation of eyes, throat and bronchial
- Prolonged skin contact may cause slight skin irritation in sensitive individuals
- As with most organic and non-organic dusts, prolonged inhalation of excessive dust concentrations can cause chronic bronchitis.
- As this product is mainly made from natural raw materials, it may contain traces of quartz. When the product is mechanically processed (cutting, grinding, drilling, etc.), the dust produced may contain quartz particles.

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4. First Aid Measures

General information:

There are no specific requirements when using fibre cement other than the appropriate treatment of minor injuries.

Inhalation:

In case of health problems, remove to fresh air and if necessary, consult a doctor.

Damage to skin:

wash with water and apply sterile dressing. If skin irritation persists, consult a doctor.

Dust in mouth or eyes:

Do not rub, rinse immediately with water.

Accidents:

Where products strike or crush parts of the body, refer to a suitably qualified medical practitioner. In all cases of doubt or where symptoms persist, medical advice should be obtained.

5. Fire-fighting measures

Fibre cement sheets will not support combustion. Fire behaviour classification: A2-s1, d0 according to EN 13501-1.

However, the painted surface will burn if heated fiercely but will extinguish on removal of the ignition source. No special firefighting procedures or extinguishing medias are required to deal with burning products. The thermal decomposition of acrylics used both in production and surface coatings may yield toxic monomer fumes.

6. Accidental release measures

Collect dust with vacuum cleaner or soak with water and sweep up.

7. Handling and storage

Handling:

When handling the fibre cement sheets, the aim is to avoid dust during mechanical processing through technical and organizational measures such as e.g:

- When using mechanical processing tools, suitable filters with dust extraction must be used
- Do not dry sweep the excess dust
- Ensuring adequate ventilation at the workplace
- Regular cleaning of the operating facilities; Hose down or damp wipe work areas
- Avoid skin and eye contact

Storage:

The pallets are to be stored dry and flat on a level surface. Protected on site against moisture and dirt covering with a coloured tarpaulin to allow for effective air circulation. The products must be covered during transport. Please refer to installation guide for further information on storage and handling.

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8. Exposure controls/personal protection

Fibre cement products have edges that are hard and can be abrasive to the skin, therefore suitable gloves should be worn when handling. When handling wet sheets, impervious PVC or Nitrile gloves should be worn.

Other suitable personal protective equipment should also be worn to prevent contact with the wet sheets surface, which may become alkali. After handling wet profile sheets clothing that has become wet may have traces of cement elements that may cause cement burns to those with sensitive skin. Replace wet clothing with dry at regular intervals.

As a general rule try to eliminate the exposure to dust. Work in a well-ventilated area. Use dust suppression techniques where practicable. The use of angle grinders is not recommended, and products can be cut by using a normal hand saw or reciprocating saw with teeth of 3- 3.5mm pitch preferably wide set. Collect dust with a vacuum cleaner, hose down or wet sweep work areas. Goggles (CE approved to BS2092) should be worn during cutting/drilling operations.

An approved respirator must be worn to prevent the inhalation of dust when other measures fail to adequately control the dust produced during the mechanical machining of the products.

Workplace Exposure Limit -
Dust – 8 hr T.W.A.
10 mgm³ (total inhalable dust)
4 mgm³ (total respirable dust)

Recommended personal protective equipment for mechanical processing:

- Eye protection: wear safety glasses
- Body protection: Wear suitable protective clothing/gloves to protect against injuries and direct skin contact
- Respiratory protection masks: If necessary

9. Physical and chemical properties

General information:

Fibre cement sheets are inert and solid when supplied. The cement is predominately made up of calcium silicate and calcium aluminate. Naturally occurring mineral fillers along with natural and synthetic fibres that are bound into the cement matrix

Profiled sheets have a nominal density of 1450kg/m³ (Farmtec) and >1.4g/cm³ (UrbanPro). The minimum breaking load of the Profiles when tested to BS EN 494 are listed below:

Farmtec: 4250 N/m

UrbanPro: >2500 Nm/m

10. Stability and Reactivity

Stability:

Stable

Incompatibility (substances to be avoided):

strong acids

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11. Toxicological information

Inhalation:

Acute over-exposure to dust can cause irritation of the respiratory tract (eyes, throat, bronchi).

Skin Contact:

Prolonged or repeated contact may cause mild irritation. Prolonged handling of new wet sheets may cause mild cement burns to people with sensitive skin.

Skin Absorption:

No known hazards

Ingestion:

Mild discomfort

Additional information on mechanical processing (drilling, sawing, grinding, etc.) of the product:

- Eye contact with dust may cause temporary irritation or eye inflammation
- Prolonged skin contact may cause slight skin irritation in sensitive individuals
- As with most organic and inorganic dusts, prolonged inhalation of excessive dust concentrations can cause irritation of the respiratory tract.
- Inhalation of fine (inhalable) dust particles, in high concentrations or for long periods of time, can cause lung disease (silicosis). This risk can be minimized by following safe work habits.

12. Environmental Information

General notes:

Fibre cement products will not degrade in the ground

13. Disposal instructions

General notes:

Off cuts and left over product can be recycled with concrete where this facility exists or disposed of as inert waste by a registered carrier to an approved landfill site. Waste polythene packaging and timber pallets should also be recycled where these facilities exist. Advice on the preferred method should be obtained from the local authority waste disposal officer.

14. Transport information

General notes: No special precautions required.

15. Regulatory information:

General notes:

Classified as non-hazardous for conveyance and supply.



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16. Other Information

The recommendations for mechanical processing and installation of the above product must be followed according to the manufacturer's instructions.

General notes:

In accordance with the Management of Health & Safety at Work Regulations, employers must carry out a risk assessment to ensure the health and safety of their employees and non-employees who may be affected by their undertaking.

National Legislation:

Health and Safety at Work etc Act 1974, Control of Substances Hazardous to Health Regulations, Construction (Health, Safety and Welfare) Regulations, Manual Handling Operations Regulations, HSE Guidance Note EH40 (Workplace Exposure Limits), HSE Guidance Note EH44 (Dust – General Principles of Protection), HS(G)33 Health and Safety in Roof Work and The Construction (Design and Management) Regulations

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Further information can be found in the fixing instructions for Euronit corrugated sheets.

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