

10. Stability and Reactivity

They are chemically inert and resistant to the majority of fumes, weak acids and alkalis. In the case of extreme or aggressive environments, the advice of Eternit's technical department should be sought.

11. Toxicological Information

Inhalation Acute over – exposure to dust may cause irritation of the respiratory tract.

Skin Contact Prolonged or repeated contact may cause mild irritation.

Skin Absorption No known hazard.

Ingestion Mild discomfort.

Eyes Mild transient irritation. No specific hazard.

11.1 11.1 Chronic Effects

Silicosis, a form of fibrosis of the lungs, may arise from the inhalation of silica.

12. Ecological Information

Fibre cement products will not degrade in the ground.

13. Disposal Considerations

The waste product is a non-hazardous industrial waste and is not regarded as hazardous waste under the Hazardous Waste (England & Wales) Regulations 2005.

Treat any collective dust in a way that prevents further exposure.

14. Transport Information

Other than good haulage practice in securing the consignment, no special precautions need to be taken.

15. Regulatory Information

- Health and Safety at Work etc. Act 1974
- Control of Substances Hazardous to Health Regulations 2004
- Construction (Health Safety and Welfare) Regulations 1996
- Manual Handling Operations Regulations 1992
- HSE Guidance Note EH40/2005 (Occupational Exposure Limits)
- HSE Guidance Note EH44 (Dust – General Principles of Protection)
- HSE Guidance Note EH75/5 (Respirable Crystalline Silica)
- The Construction (Design and Management) Regulations 1994

The health and safety information contained herein is believed to be accurate and correct at the date of issue. No liability can be accepted for any loss, injury or damage resulting from its use. It is intended as a guide for the safe handling, storage and use of the product under normal conditions.

16. Other Information

- Cladding Design Guide

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Product data sheet

Autoclaved Products

1. Products and Company Identification

Product Names:

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Product Names:

Glasal	Eflex
Weatherboard	Eterspan
Multiclad	Bluclad
Paintboard	
Tileboard	

Description:

High Performance Claddings

Glasal
Weatherboard
Multiclad

Large rigid, rectangular smooth or textured boards in a wide range of colours.

Flat Building Sheets

Eflex
Eterspan
Paintboard
Bluclad

Large rigid, rectangular sheets in natural colour.

Sills

Extruded from fibre cement with a smooth finish in a range of colours.

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2. Composition/Information on Ingredients

Manufactured from Portland Cement sand and water, reinforced with natural and synthetic fibres and fillers, either fully or semi-compressed. If through coloured they will contain pigments. If surface coated, the coating will generally be a water based acrylic resin with pigments, but Glasal has a unique mineral enamel coating.

3. Hazard Identification

Primary entry route(s) Inhalation of dust

Medical Conditions (which may be aggravated) Respiratory conditions

Target Organs Lungs

Due to the presence of crystalline silica in the raw material used in the manufacture of these products, machining may lead to the release of quartz dust. Undisturbed, this product does not pose a health hazard with all the ingredients bonded in the cement matrix.

Inhalation of quartz from occupational sources can cause silicosis and lung cancer.

International Agency for Research on Cancer (IARC) Monographs 1997. "Crystalline silica inhaled in the form of quartz and cristobalite from occupational sources is carcinogenic to humans" (Group 1)

4. First-Aid Measures

Inhalation Remove to fresh air

Skin contact Wash thoroughly with water

Ingestion Give plenty to drink

Eyes Flush copiously for at least 15 minutes. If irritation or discomfort persists – seek medical advice.

5. Fire- Fighting Measures

Fibre cement products are non-combustible or class "0" and compatible with all standard fire-fighting measures.

6. Accidental Release Measures

Procedure for Spill/leak Collect dust with vacuum cleaner or soak with water and sweep up.

7. Handling

Off-loading of heavy loads should be carried out with care, to avoid unnecessary strain on the handlers and accidental damage to the product. Mechanical handling equipment should always be used if available.

8. Exposure Controls/Personal Protection

8.1 Safety recommendations when handling or machining these products

The use of angle grinders is not recommended

High Performance Cladding and Extruded Sills These should be pre-cut and drilled by specialist distributors, a list of whom can be supplied on request.

For further information on particular products refer to the brochures listed at the end.

After cutting or drilling remove all dust from coloured materials to avoid subsequent staining.

8.2 Occupational exposure limits EH40/2005

Workplace exposure limits

- Dust – 8hr T.W.A.
10mg / m³ total inhalable dust
4mg / m³ total respirable dust

- Crystalline Silica – 8hr T.W.A.
0.3 mg / m³ respirable silica
T.W.A. = Time Weighted Average

8.3 Personal Protective Equipment

Goggles Persons employed in machine cutting, drilling or fixing should wear protective goggles (CE approved to BS 2092).

Gloves Should be worn for protection against cuts and abrasions.

Respirator Approved respiratory protective equipment should be made available to persons working in concentrations above or around the WEL.

Ventilation Dust should be controlled by local exhaust ventilation at source.

Other Normal protective working overalls.

9. Physical and Chemical Properties

High Performance Cladding Sheets	Average Bending Strength N/mm ²	Average Density Kg/m ²
Glasal	30	1600
Weatherboard	15	1300
Multiclad	17	1200

Flat Building Sheets

Eflex	29	1600
Eterspan	8	940
BluClad	21	1180
Paintboard	20	1230

Odour None

Flammability Fire – Fibre cement products are Class "0" to the building regulations.