

RCM (Roofing and Cladding Materials Ltd)

**Safety Data Sheet
DensGlass Sheathing**



ISO No. 5168

Version 1

Date prepared: April 2023

SECTION 1 Identification of the article and of the company/undertaking

1.1 Product identifier

Trade Name: DensGlass Sheathing

Identification of the product: Gypsum (calcium sulfate, dihydrate) and vermiculite

1.2 Relevant identified uses of the substance, mixture or article and uses advised against

Identified uses: Sheathing Board

1.3 Details of the supplier of the safety data sheet

Supplier: RCM (Roofing and Cladding Materials Ltd)
Lonsdale Chambers
Lonsdale Street
Stoke on Trent
ST4 4BT
United Kingdom
Email: info@rcmltd.biz
Telephone: 0800 6124662

1.4 Emergency telephone No. NHS : 111

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45: This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities such as cutting, sanding, or otherwise working with this product that generate large amount of dusts.

Hazard class and category code regulation EC 1272/2008 (CLP): This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities such as cutting, sanding, or otherwise working with this product that generate large amount of dusts.

2.2 Label elements

Labelling regulation (EC) 67/548 or EC 1999/45: Not Applicable
Labelling regulation (EC) 1272/2008 (CLP): Not Applicable

2.3 Other Hazards

Those hazards associated with large amount of dusts are described below.
Physical hazards - Not classified.
Health hazards - Category 2B Eye irritation
Environmental hazards - Not classified.
OSHA defined hazards - Not classified.

SECTION 3 Composition/information on ingredients

Components: Gypsum (calcium sulfate, dihydrate) and vermiculite contain naturally occurring crystalline silica (quartz) which is listed as a lung carcinogen.

Substance Name	CAS No	EC No	Contents by Weight %	Index Number (REGULATION (EC) No 1272/2008)	Classification (REGULATION (EC) No 1272/2008)	Classification (Other)
CALCIUM SULFATE DIHYDRATE	No further information available	No further information available	<95%	No further information available	No further information available	See Section 8 for exposure information.*The weight percent for crystalline silica represents total crystalline silica and not the respirable fraction. Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.
VERMICULITE			0-7%			
CONTINUOUS FILAMENT GLASS FIBRE			1-5%			
CRYSTALLINE SILICA (QUARTZ)*			1-5%			

SECTION 4 First aid measures

4.1 Description of first aid measures

Inhalation: If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
Skin Contact: Wash immediately with soap and water. Get medical attention if irritation develops and persists.
Eye contact: Do not rub the eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion: Rinse mouth. May result in obstruction and irritation if ingested. Get medical attention. Most important symptoms/effects, acute and delayed.

4.2 Most important symptoms and effects, both acute and delayed

Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Indication of immediate medical attention and special treatment needed.

4.3 Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. General information: Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

Suitable Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3 Advice for fire-fighters

Flammable Class: No unusual fire or explosion hazards noted

Protection against Fire: Firefighters should wear full protective clothing including self-contained breathing apparatus. Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Avoid inhalation of dust from the spilled material. Use a BS EN approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Keep unnecessary personnel away.

6.2 Environmental precautions: Keep out of drains, sewers, ditches, and waterways.

6.3 Methods and material for containment and cleaning up

Methods and material for containment: Minimize dust generation. Sweep up or gather material and place in an appropriate container for disposal.

Clean up methods: Utilize wet methods, if appropriate, to minimize dust. For waste disposal.

6.4 Reference to other sections: See section 8 & 13 for further guidance

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Personal Protection: Wear appropriate BS EN approved dust mask or filtering facepiece if dust is generated. Do not eat or drink while using the product. Wash hands before eating, drinking, or smoking.

Technical protective measures: Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation.

- Do not breathe dust.
- Do not get this material in contact with eyes.
- Do not taste or swallow.
- Avoid prolonged exposure.
- Observe good industrial hygiene practices.
- Use only in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store level and keep dry. Dewpoint or other conditions causing the presence of moisture can damage the product during storage. Store away from incompatible materials

7.3 Specific end use(s) No further relevant information available.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Occupational/workplace exposure limits:

- Gypsum, total inhalable 10 mg/m³
- Gypsum, respirable 4 mg/m³
- Limestone, total inhalable 10 mg/m³
- Limestone, respirable 4 mg/m³
- Silica, respirable crystalline 0.1 mg/m³
- Manmade mineral fibre 5 mg/m³

Control parameters for airborne: Avoid generating dust or keep exposure to dust as low as practicable. Work areas should be cleaned regularly by wet sweeping or vacuuming.

Inhalable: All the above are long term exposure limits, based on eight-hour TWA (time weighted average) period, as listed in HSE EH40 Workplace Exposure Limits, 3rd edition (2018).

Respirable: Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

8.2 Exposure Controls

8.2.1 General protection controls

Industrial hygiene: Score and snap method recommended. When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust. Ventilation should be enough to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not enough to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn.

8.2.2 Individual protection controls

Respiratory protection: A BS EN compliant dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety.

Skin protection: Impervious protective clothing and gloves recommended to prevent drying or irritation of skin. Safety shower/eye wash fountain is recommended in the workplace area.

Eye protection: Safety glasses or goggles are recommended when using this product. Eye wash fountain is recommended.

Ingestion: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Keep away from food and drink.

SECTION 9 Physical and chemical properties

- Appearance:** Gypsum Boards - Solid
- Colour:** Facing colour varies
- Odour:** Low odour
Odor threshold: Not available.
- pH value:** 06-Aug
- Melting point/Freezing point:** Not applicable
- Initial boiling point and boiling range:** Not applicable
- Flash point:** Not applicable
- Evaporation rate:** Not applicable
- Explosive limits:** Not applicable
- Vapour pressure:** Not applicable
- Vapour density:** Not applicable
- Relative density:** Not available kg/m³
- Bulk density:** 1300 ± 50 kg/m³
- Solubility in water:** 0.2 % @ 22°C
- Auto-ignition temperature:** Not applicable
- Viscosity:** Not applicable
- Explosive properties:** Not applicable
- Oxidising properties:** Not applicable
- 9.2 Other Information** Specific gravity: 2.2 - 2.4

SECTION 10 Stability and reactivity

- 10.1 Reactivity** Contact with strong acids produces carbon dioxide.
- 10.2 Chemical stability** Material is stable under normal conditions.
- 10.3 Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.
- 10.4 Conditions to avoid** Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
- 10.5 Incompatible materials** Strong acids.
- 10.6 Hazardous decomposition products** May include and are not limited to calcium oxide and sulphur dioxide.

SECTION 11 Toxicological information

- 11.1 Information on toxicological effects**
 - Acute toxicity:** Inhalation
 - Skin corrosion/irritation:** Prolonged skin contact may cause temporary irritation.
 - Serious eye damage/irritation:** Dust in the eyes will cause irritation.
 - Respiratory sensitisation:** Not likely to cause respiratory sensitization.
 - Skin sensitisation:** This product is not expected to cause skin sensitization.
 - Germ cell mutagenicity:** Not classified.
 - Carcinogenicity:** Not expected to be hazardous by OSHA/WHMIS criteria.
 - Reproductive toxicity:** Not classified.
 - Specific target organ toxicity - single exposure:** Not classified.
 - Specific target organ toxicity - repeated exposure:** Not classified.
 - Aspiration Hazard:** Not classified.
- 11.2 Additional Information:** Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

SECTION 12 Ecological information

- 12.1 Toxicity** Not considered to be harmful to aquatic life.
- 12.2 Persistence and degradability** No data is available on the degradability of this product.
- 12.3 Bioaccumulative potential** No data available.
- 12.4 Mobility in soil** No data available.
- 12.5 Results of PBT and vPvB assessment** No data available.
- 12.6 Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13 Disposal considerations

- 13.1 Waste treatment methods** Must be segregated from other materials at source for treatment. Its gypsum core is recyclable and waste product should be consigned to authorised recycling facilities in accordance with current Waste and Environmental Permitting Regulations. Landfill disposal is not permitted except in monocell sites licensed for plasterboard disposal by the national regulator.
- 13.2 General**
 - Product:** Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.
 - Contaminated Packaging:** Bearers and pallets are accepted for wood recycling in preference to landfill disposal.

SECTION 14 Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations DensGlass Sheathing Board is not classified as hazardous under the EU CLP Regulation (European Regulation EC/1272/2008 on the classification, labelling and packaging of substances and mixtures).

As the product contains substances for which Workplace Exposure Limits (WELs) have been set in the HSE EH40 Workplace Exposure Limits 3rd edition (2018) publication, a workplace risk assessment must be carried out by the user under the COSHH Regulations 2002 (Control of Substances Hazardous to Health).

This product constitutes an article according to the definitions contained within the EU REACH Regulation (European Regulation EC/1907/2006 on the Registration Evaluation Authorisation and Restriction of Chemicals).

This product constitutes a treated article under the EU Biocidal Products Regulation (EC/528/2012).

15.1.2 National regulations No further relevant information available.

15.2 Chemical safety assessment No further relevant information available.

SECTION 16 Other information

This MSDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this MSDS is believed to be accurate as of the date of preparation of this MSDS and has been compiled from sources believed to be reliable. Checks should be undertaken on a regular basis to ensure the current revision is used. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors, and customers who will use the product receive adequate warnings and safe handling procedures, including a current MSDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this MSDS or other safety and health information about this product is inaccurate or incomplete. Georgia Pacific DensGlass® Sheathing is only intended for use as defined within current literature. This data sheet does not replace the user's own workplace risk assessment. It is not intended for the purposes of precise product specification nor warranty. All information and instructions provided in this data sheet are based on the current state of scientific, technical and legal knowledge at the date indicated on the present data sheet.

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