

SAFETY DATA SHEET

RendaClad Lite Board. 6mm, 9mm, 12mm

Compilation Date: 30/11/2016

Revision No: 1

Authorised by: M. Gee

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product: RendaClad LITE Board. 6mm, 9mm, 12mm

ProductCode:ESPS-RCL06,RCL09,RCL12

1.2. Relevant identified uses of the substance or Mixture and uses advised against

RendaClad Lite is a carrier board suitable to receive Silicone/Acrylic and Granomin render applications using SPS Envirowall Envirorend basecoat ESPS/EXG-BC.It is mechanically fixed to either timber battens or a RendaClad metal perforated top hat rail section Ref.ESPS-RCTH25. RendaClad LITE is used primarily as an external sheathing board. Used extensively on both metal and timber frame structures, offering a non-combustible classification. RendaClad LITE is a flexible calcium silicate based fibre cement building board, offering excellent fire properties as well as high levels of dimensional stability.

1.3. Details of the supplier of the safety data sheet

Company Name: SPSEnvirowall Ltd
 Orchard House
 Aire Valley Business Centre
 Keighley
 West Yorkshire
 BD21 3DU
 United Kingdom
Tel: 01535 661633
Fax: 01535 661933
Email: info@spsenvirowall.co.uk

1.4. Emergency Telephone Number

National Poisons Emergency Number / NHS: 111

Section 2: Hazards identification

2.1. Classification of the substance or mixture

The Calcium Silicate products in their intact state do not present a hazard. However, one should be aware of the ill-effect and danger from prolonged exposure to the air-borne dust generated through cutting, drilling, routing, sawing and crushing of the fibre cement products.

Acute Effects

Skin condition: The dust from this product may cause irritation of the skin from friction but is not absorbed through the skin.

Eye contact: The dust from this product may irritate the eyes causing watering and redness. Ingestion: Unlikely under normal conditions of use, but ingestion of the dust from this product may result in abdominal discomfort.

Inhaled: The dust from this product may cause irritation of nose, throat and lungs causing coughing and sneezing.

SAFETY DATA SHEET
RendaClad Lite Board. 6mm, 9mm, 12mm

Chronic Effects

Inhaled: Prolonged and continuous exposure (over a number of years) to significant, airborne, respirable dust levels containing crystalline silica may cause bronchitis, silicosis and lung cancer.

Based on limited animal research, it is possible that repeated inhalation of cellulose fibre dust over time may lead to inflammation and scarring of the lung in humans.

Radioactivity & Asbestos Content

Silicate board/Fibre Cement Board do not contain hazardous materials to human or animals in their intact state. RendaClad LITE has been tested by authorised testing authority for Non Radioactivity Level and Non-Asbestos.

Volatile Normal State Calcium Silicate Board/ Fibre Cement Board is made into gelatification material through the chemical reaction with a set temperature and humidity of raw material and make the final panels with its set strength. There are no volatile reactions during the process of manufacture. During the curing process water vapour is to be expected.

High Temperature State Our Calcium Silicate Board/ Fibre Cement Board is tested to the standard of GB5464.

During continuous burning, it will not emit smoke. Minimal amount of water vapour and a little carbon dioxide will be emitted under high temperature.

Environmental Standard Calcium Silicate Board/ Fibre Cement Board is produced according to the China Environment Standard HJ/T223-2005" Technical Requirement of Environmental Labelling Products – Light Weight Drywall Board "and its related requirement.

Dust The calcium silicate board/fibre cement board in their intact state do not present a hazardous threat. One should be aware of the ill-effect and danger from prolonged exposure to the air-borne dust generated through cutting, drilling, routing, sawing and crushing of the calcium silicate board/fibre cement board.

Contain no asbestos, brucite, meerschaum, glass fibre or formaldehyde in the raw material and the formulas.

2.2 Label Elements

No data available

2.3. Other Hazards

No data available

Section 3: Composition/information on ingredients

3.2. Mixtures

Portland cements, Lime, crystalline silica (quartz), Cellulose, mica and other non-hazardous ingredients such as fillers.

Contain no asbestos, brucite, meerschaum, glass fibre or formaldehyde in the raw material and the formulas.

Section 4: First aid measures

4.1. Description of first aid measures

Skin Contact: Wash thoroughly with mild soap and water.

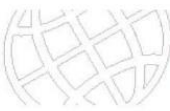
Eyes Contact: Flush with running water.

Ingestion: Not expected under normal condition. Drink plenty of water. Inhaled: Remove to fresh air.

Remark: Seek medical attention if symptom persisted.

4.2. Most important symptoms and effect, both acute and delayed

No data available



SAFETY DATA SHEET
 RendaClad Lite Board. 6mm, 9mm, 12mm

4.3. Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire-fighting measures

5.1. Extinguishing media

Calcium Silicate Board/Fibre Cement Board are non-combustible. The boards are tested to BS 476 Part 4 Non-Combustible. Thus there is no specific firefighting measure required for our Calcium Silicate Board. In case of fire, extinguish it with carbon dioxide, water, foam or dry chemical as for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No data available

6.2. Environmental precautions

No data available

6.3. Methods and material for containment and cleaning up

No data available

6.4. Reference to other sections

No data available

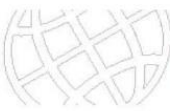
Section 7: Handling and storage

7.1. Precautions for safe handling

Calcium Silicate Board/Fibre Cement Board is stable in quality; it won't generate any chemical change in intact state. There are no specific requirements for handling and storage.
 The water absorption of our Calcium Silicate Boards is between 28% and 56%, which depends on the density of boards. After the boards get saturated, there will be very little change in volume. However, after the water releases, the strength will get back to normal state. Therefore, before installation, the boards should be stored in ventilated and dry place.
 The board should be carried by two men with both hands and taken the long edges horizontally.

7.2. Conditions for safe storage, including any incompatibilities

No data available



SAFETY DATA SHEET
 RendaClad Lite Board. 6mm, 9mm, 12mm

7.3. Specific end use(s)

No data available.

Section 8: Exposure controls/personal protection
8.1. Control parameters

General Controls: Avoid generating dust or keep exposure to dust as low as possible. Work areas should be cleaned regularly by wet sweeping or vacuuming.

8.2. Exposure controls

Engineering Controls: Practices likely to generate dust should be carried out in adequately ventilated areas or in process enclosures with exhaust ventilation.

Personal Protection

Eye protection: Safety goggles/glasses should be worn.

Skin protection: Direct contact with dust and debris should be avoided by wearing long sleeved shirts or gloves.

Inhalation protection: During dry cutting, drilling, routing and sanding with power or abrasive tool, or if dust is generated, used as approved particulate dust mask.

Section 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Greyish or pink solid boards with standard sizes 2.4m x 1.2m

PH Value 9-11

Solubility 0.03–0.05 Kg/M3

Melt Point 1200–1500°C

Up to the Standard of GB8624-2006 Grade A1 (The highest grade), it is Incombustible material.

9.2. Other information

No data available.

Section 10: Stability and reactivity
10.1. Reactivity

Note: calcium silicate board/fibre cement board is generally dimensionally stable and non-reactive, resistant to rot and water damage in their normal scope of application.

10.2. Chemical stability

No data available

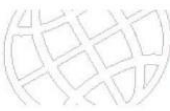
10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

**SAFETY DATA SHEET**
RendaClad Lite Board. 6mm, 9mm, 12mm**10.6. Hazardous decomposition products**

No data available

Section 11: Toxicological information**11.1. Information on toxicological effects**

No data available

Section 12: Ecological information**12.1. Toxicity**

Not applicable

12.2. Persistence and degradability

No data available

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 data available

Section 13: Disposal considerations**13.1. Waste treatment methods**

Note: Waste may be disposed by landfill; however disposal should comply with the local authority requirements.

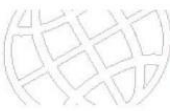
Section 14: Transport information**14.1. UN number**

UN number: N/A

14.2. UN proper shipping name

No data available

14.3. Transport hazard class (es)

**SAFETY DATA SHEET**
RendaClad Lite Board. 6mm, 9mm, 12mm

No data available

14.4. Packing group

No data available

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

No special precautions.

Section 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available

15.2. Chemical Safety Assessment

No data available

Section 16: Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 453/2010.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.