

BLUCLAD & HYDROPANEL

1. Identification of the product and company

Siniat Bluclad Board
Siniat Hydropanel

Supplier:

Siniat Limited
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Bristol BS20 0NF
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2. Hazards identification

These products are not classified as hazardous under the EU CLP Regulation (European Regulation EC/1272/2008 on the classification, labelling and packaging of substances and mixtures).

Mechanical actions on these boards will generate cement dust which which may irritate skin, eyes and the respiratory system. Please see sections 3, 8 & 11 below.

3. Composition / information on ingredients

Manufactured from Portland Cement, sand and water, reinforced with natural and synthetic fibres and fillers, either fully or semi-compressed. Surface coated with a water-based acrylic resin.

Hazardous substance contained at > 1%: Portland Cement
EC 266-043-3

Hazard Classification	Category according to CLP Regulation EC/1272/2008
Skin irritation	2
Serious eye damage/ eye irritation	1
Skin sensitization	1B
Specific target organ toxicity single exposure respiratory tract irritation	3

Hazard statements

H318 Causes serious eye damage
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H335 May cause respiratory irritation

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.

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)

Undisturbed, this product does not pose a health hazard with all the ingredients bonded in the cement matrix.

4. First aid measures

Inhalation:

Remove person to fresh air and seek medical advice.

Skin contact:

Using clean water, rinse and then wash. using soap & water. Allergic skin reaction is possible.

Eye contact:

Flush copiously for at least 15 minutes. Seek medical advice if irritation occurs.

Ingestion:

Wash out mouth and drink plenty of clean water. Do not induce vomiting.

Please note:

Should any symptoms persist obtain medical assistance.

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

Prevent these products from contaminating drains, watercourses, ground or soil.

Collect dust with vacuum cleaner or soak with water and sweep up. Avoid the generation of dust

7. Handling and storage

Handling

Off-loading of heavy load 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.

Storage

Pallets should be stored on a flat surface, in a dry, covered, frost proof and well ventilated area.

During transport, the products should be covered.

8. Exposure controls / personal protection

8.1 Safety recommendations when handling or machining

The use of angle grinders is not recommended

Boards can be cut using any jigsaw or circular saw. Products must be fully supported when cutting. The use of either a diamond or a tungsten carbide tipped blade is recommended for maximum performance. Please contact Siniat Technical Services for further information.

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

8.2 Occupational Exposure Limits Workplace Exposure Limits (WEL)

Substance	WEL
Cement, total inhalable	10 mg/m ³
Cement, respirable	4 mg/m ³
Silica, respirable crystalline	0.1 mg/m ³
Man made mineral fibre	5 mg/m ³

Note: All of the above are long term exposure limits, based on 8 hour TWA (time weighted average) period, as listed in HSE EH40

Workplace Exposure Limits, 2nd edition (2011). No short term exposure limits have been defined for these substances.

In the case of respirable crystalline silica, Siniat recommends to control to 50% of the WEL.

8.3 Personal Protective Equipment

General

The concentration of airborne dusts and fibres must be controlled. Mechanical action on plasterboard (eg sawing, drilling, sanding, etc) may lead to the generation and release of dusts and fibres, including respirable crystalline silica. Avoid the generation and dispersal of airborne dust and fibres by using tools with dust extraction or by using local exhaust ventilation (LEV).

Soiled working clothes should be removed and cleaned and the workplace kept clean.

Respiratory Protection:

To further reduce exposure to dust, use appropriate respiratory protection complying with BS EN Standards. A dust mask of type at least FFP2 will be required (use type FFP3 for high concentrations of dust)

Eye Protection:

Persons employed in machine cutting, drilling & fixing should wear eye protection (CE approved to BS 2092)

Hand Protection:

Gloves should be worn for protection against irritation, cuts and abrasions.

9. Physical and chemical properties

Appearance	Natural colour beige
Form	Rigid sheet
Odour	None
Flammability	Fibre cement products are class "O" under Building Regulations

Strength & Density

Board Type	Average Bending Strength N/mm ²	Average Density kg/m ³
Bluclad	18	1180
Hydropanel	11	1180

10. Stability and reactivity

The boards are chemically inert and resistant to the majority of fumes, weak acids and alkalis. In the case of aggressive environments, the advice of Siniat's Technical Services should be sought.

11. Toxicological effects

As these products are mainly made of mineral raw materials, they may contain traces of crystalline silica. Mechanical action (eg cutting, sanding, drilling etc) will release dust which may contain respirable crystalline silica particles.

Inhalation of high concentrations of dust may irritate the airways. Dust may also cause irritation of the eyes and/or skin. Inhalation of dust containing crystalline silica, in particular the fine respirable size fraction, in high concentrations or over prolonged periods can lead to lung disease (silicosis) and an increased risk of lung cancer. The latter is concluded by IARC on the basis of observations in industries with heavily exposed populations, such as mining, pottery and foundries.

Skin contact; Prolonged or repeated contact may cause mild irritation

Skin Absorption; No known hazards

Ingestion; Mild discomfort

Eyes; Mild transient irritation. No specific hazard

12. Ecological information

Stable product with no known adverse effects.
Fibre cement products do not degrade in the ground.

13. Disposal considerations

The waste product is considered to be a non-hazardous waste according to the current regulations.

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

14. Transport information

Not classified as hazardous for transport.

15. Regulatory information

These products are 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 products contain substances for which Workplace Exposure Limits (WELs) have been set in the HSE EH40

Workplace Exposure Limits publication, a workplace risk assessment must be carried out by the user under the COSHH Regulations 2005 (Control of Substances Hazardous to Health).

These products constitute articles according to the definitions contained within the EU REACH Regulation (European Regulation EC/1907/2006 on the Registration Evaluation Authorisation and Restriction of Chemicals). As such, the legal obligations of articles 31 and 32 of the Regulation do not apply (provision of information in the supply chain on substances and mixtures).

In relation to Article 33 of the REACH Regulation, these products do not contain any substances of very high concern (SVHC) at a concentration of more than 0.1% by weight.

16. Other information

These products are only intended for use as defined within current Siniat Literature.

This data sheet does not replace the user's own work place 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.

The user should ensure that the data sheet being consulted is the current version. To confirm this, or for any additional information or support on intended use, please contact Siniat Technical Services.

SDS Revision History:

Version	Date	Revision
1.0	15/07/2015	First Siniat Issue
1.1	18/08/2015	Added emergency telephone opening hours
1.2	25/09/2015	Contact email, opening hours and enquiryline references amended