

SAFETY DATA SHEET

CLADCOLOUR "HD" FAÇADE PANEL

This data sheet provides information on material safety data of this product.



Section 1 – Identification of the article and of the company undertaking	
Material Composition	A through coloured calcium silicate fibre reinforced cement panel.
Properties	A highly durable factory finished façade panel proving good UV resistance and weathering properties. The product is very dimensional stable and is defined Category 3 under Bs EN 12467 2012+A2:2018
Environment	For use in normal environmental areas. Use in coastal areas does not affect panel performance.
Decorative Coating	A waterborne high adhesion coating which provides a flexible and tough surface with excellent UV resistance & durability. Available in the full range of RAL & NCS Colours.
Natural Appearance (uncoated)	Each differently coloured panel has the same colour running through its core.
	Three surface finishes available: polished, watermark & grained. Lacquer Effect – Clear lacquered finish to the boards natural appearance.
Decorative Coating Options	Solid Colour – 2 coats of solid topcoat colour
	Special Effect – 1 coat of solid topcoat colour followed by pigmented lacquer to give the effective finish.
Details of the Supplier of the Safety Data Sheet	RCM Ltd Unit 25-26 Rosevale Road Parkhouse Industrial Estate West Newcastle Under Lyme Staffordshire ST5 7EF Email: info@rcmltd.biz

Emergency Telephone No.	111		
Section 2 – Hazards Identification			
Radioactivity & Asbestos	Non-Asbestos Calcium Silicate board do not present a hazard to human or animals in their intact state.		
Volatile	<p>Normal State: Non-Asbestos Fiber Reinforced Calcium Silicate Board is made from cementing material through the chemical reaction with a set temperature and humidity of raw materials and make the final panel with its specific strength. It is friendly to environment and creatures.</p> <p>High Temperature State: Non-Asbestos Fiber Reinforced Calcium Silicate Board reaches standards, during burning time there is no toxic smoke coming out. Only water vapor and a little carbide oxide come out under high temperature.</p>		
Section 3 - Composition			
Substance Name	CAS No	Contents by Weight %	Concentration
Portland Cements	65997-15-1	25-40%	
Lime	1305-78-8	10-20%	
Quartz	14808-60-7	24-40%	
Cellulose	9004-34-6	5-10%	
Composition	It is composed in the autoclave under high temperature and pressure. The compositions of final product are crystalloid of Calcium Silicate, Quartz, Calcium Carbonate, Cellulose and other not harmful material. Such as, Mica, etc.		
Section 4 – First Aid Measures			
4.1 Dust and its Protection	When processing the boards, for example, cutting, drilling, it will generate dust. As a result, one should pay attention to the dust and take some measures. Please process the board in ventilated area and use dust collecting machine to avoid any ill-effect or danger.		
4.2 Acute Effects			
Skin Contact	The dust from these products may cause irritation of the skin but it is not absorbed through the skin		
Eye contact	the dust from these products may irritate the eyes.		
Ingestion	When processing, the dust may affect food and beverage, indigestion of the dust may result in abdominal discomfort.		

4.3 Description of First Aid Measures	
Skin Contact	Wash thoroughly with soap and water
Eye Contact	Do not rub the eyes. Rinse immediately with plenty of water. If eye irritation persists seek medical advice.
Ingestion	Ingestion is unlikely due to product form. Do not induce vomiting. Rinse mouth. Drink plenty of water.
Inhalation	Remove to fresh air and drink water.
Remark	Seek medical attention if symptoms persist.
Section 5 – Fire-fighting Measures	
5.1 Extinguishing Media	The product is non-combustible, there is no specific firefighting measures required for this product. In case of fire, extinguish it with carbon dioxide, water, foam or dry chemical as for surrounding materials
Section 6 – Accidental Release Measures	
6.1 Statement	The calcium silicate products their intact state do not present a fire, health or environmental hazard. The precautions measures below are applied to dust generated during cutting, grinding, sanding, drilling, routing, rebating or sawing of fibre cement products.
6.2 Methods and material for containment and cleaning up	
Clean-up Method	Wet the dust if possible, to do, sweep up the solid. Dry sweeping is not recommended.
Disposal	Dispose in accordance with local authority regulations.
Precautions	Wear protective equipment to prevent eyes contamination and the inhalation of dusts. Working at well ventilation area is recommended.
Section 7 – Handling & Storage	
7.1 Precautions for Safe Handling	
Handling requirements	Minimize the dust generation at the work place. When there is cutting, sawing, sanding or grinding during the installation and handling of this product, it should be carried out at well-ventilated area (e.g. outdoor, open-area). Work area should be cleaned regularly by wet sweeping or vacuuming
7.2 Conditions for safe storage, including any incompatibilities	
Storage	Store the products in a dry area. The products must be laid flat under cover on a smooth surface clear of the ground to avoid exposure to water or moisture.

Section 8 – Exposure Controls/Personal Protection

8.1 General Controls	Avoid generating dust or keep exposure to dust as low as practicable. Work areas should be cleaned regularly by wet sweeping or vacuuming.
8.2 Engineering Controls	Practices likely to generate dust should be carried out in adequately ventilated areas or in process enclosures with exhaust ventilation.
8.3 Personal Protection	
Eye Protection	Safety 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 an approved particulate dust mask.

Section 9 – Physical and Chemical Properties

PH Value	9-11
Solubility	0.03 ~ 0.05 Kg/M3
Melt Point	1200 ~ 1500°C
Remarks	No asbestos, brucite, meerscham or formaldehyde in the raw material and the formulas.

Section 10 – Stability and Safety Capability

Item	Introduction
Stability	This product is stable under ordinary condition. Excessive dust generation during processing, handling, and installation.
Radioactive	Safe for application. IRa<0.1 Ir<0.1
Non-Combustibility	Non-combustible Material Grade A

Section 11 – Toxicological Information

Toxicity	Calcium silicate board is non-toxic in its intact form.
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Section 12 – Ecological Information

This product is not considered an environmental hazard – not considered to be toxic in aqueous or soil environment

Section 13 – Regulatory Information

Safety, health and environmental regulations specific for the substance:

- (a) Occupational Health and Safety Assessment Series 18001 and relevant regulations
- (b) Environmental Quality ISO 14001

Section 14 – Transport information

- Non-Asbestos Calcium Silicate Board is stable in quality; it won't generate any chemical changes in intact state. There are no specific requirements for handling and storage.
- The water absorption of our Non-Asbestos Calcium Silicate Boards is between 25 and 60%, which depends on the density of boards. After the boards get saturated, there will be a very little change in volume. However, after the water releases, the strength will return to normal state. Therefore, before installation, the boards should be stored in ventilated and dry environment.
- As for this kind of boards, the wagon of the carriage must be smooth and any toss is prohibited. The board should be carried by two men with both hands and taking the long edges vertically.

Section 15 – Other information

MINIMISE DUST GENERATION AND DO NOT BREATHE DUST!

Operators must wear an approved particulate dust mask during cutting, grinding, sanding, drilling, routing, or abrading of this fibre cement product.

Disclaimer of Liability

The information supplied in this Technical Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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