



Declaration of Performance

DoP No: RCM0005

Product description:

Calcium Silicate Fibre Cement Board

Brand name and/or product code:

RCM Y-Wall

Intended use in accordance with hEN as foreseen by manufacturer:

External sheathing applied to lightweight steel and timber frame solutions, fire rated partitions and OEM applications

Registered trade name of manufacturer and contact address:

Roofing and Cladding Materials Limited, Unit 27 Rosevale Road Parkhouse Industrial Estate West, Newcastle under Lyme, Staffordshire. ST5 7EF

System of assessment and verification of consistency of performance of named product(s):

AVCP System 4

Harmonised standard: Not relevant. The Manufacturer has undertaken self-declaration having carried out ITT and FPC conformity requirements of EN 12467

Declared Performance:

Essential characteristic	Performance	Harmonised technical specification
Mechanical Resistance	Class 2	EN 12467:2012
Reaction to Fire	A1	EN 13501-1
Water Permeability	Pass	EN 12467:2012
Durability against warm water	Pass	EN 12467:2012
Durability against soak/dry	Pass	EN 12467:2012
Durability against freeze thaw	Pass	EN 12467:2012
Durability against heat-rain	Pass	EN 12467:2012

The performance of RCM Y-Wall is in conformity with the declared performance.

This declaration of performance is issued under the sole responsibility of Roofing and Cladding Materials Limited.

Signed for and on behalf of Roofing and Cladding Materials Limited.

Signed: Ian Quinton, Managing Director, Roofing and Cladding Materials Limited.

Date: 15th August 2017

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

1.1 Product identifier

Trade name: Ywall

Identification of the product: Calcium Silicate

Type of product: Article

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

Use: Sheathing board
Ceilings
Partitions
Exterior Cladding

1.3 Details of the supplier of the safety data sheet

Supplier Unit 25-26 Rosevale Road
Parkhouse Industrial Estate West
Newcastle under Lyme
Staffordshire
ST5 7EF
United Kingdom

0800 612 4662

info@rcmltd.biz

1.4 Emergency telephone number

0800 612 4662

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45: Non- Hazardous - Not Applicable

Hazard class and category code regulation EC 1272/2008 (CLP): Non- Hazardous - Not Applicable

2.2 Label elements

Labelling regulation (EC) 67/548 or EC 1999/45: No Labelling Required.

Labelling regulation (EC) 1272/2008 (CLP): No Labelling Required.

2.3 Other hazards

Generation of significant quantities of airborne dust is unlikely during normal handling. The handling and machining of this product may lead to the release of quartz containing dust. The inhalation of dust containing quartz, in particular the fine (respirable) dust fraction, in high concentrations over a prolonged period of time may lead to lung disease (silicosis) and an increased risk of lung cancer.

SECTION 3 Composition/information on ingredients

Components: This article is classified as not hazardous.
This product is a manufactured article, not a substance nor a preparation.

Substance Name	CAS No	EC No	Contents by Weight %	Index Number (REGULATION (EC) No 1272/2008)	Classification (REGULATION (EC) No 1272/2008)	Classification (Other)
Portland cements	65997-15-1	-	35%	-	-	-
Lime	1305-78-8	-	20%	-	-	-
Quartz	14808-60-7	-	35%	-	-	-
Cellulose	9004-34-6	-	9%	-	-	-
Mica and other fillers	-	-	1%	-	-	-

SECTION 4 First aid measures

4.1 Description of first aid measures

Inhalation: Remove to fresh air and drink water

Skin contact: Wash thoroughly with soap and water.

Eye contact: Do not rub the eye. Rinse immediately with plenty of water. If eye irritation persists: seek medical advice/attention.

Ingestion: Ingestion is unlikely due to product form. Do not induce vomiting. Rinsemouth. Drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation to the respiratory tract and to other mucousmembranes.
May cause temporary irritation/skin rash. Repeated exposure may causeskin dryness or cracking.
Eye contact with dust may lead to transient eye irritation or inflammation.

4.3 Indication of any immediate medical attention and special treatment needed

Seek medical attention if the syptom persists.

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate as for surrounding materials.

5.2 Special hazards arising from the substance or mixture

The product is non-combustible

5.3 Advice for fire-fighters

Flammable class: The Product is non-combustible

Protection against fire: The Product is non-combustible

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Minimize generation of dust. Avoid breathing dusts. Avoid eye and skin contact. Dampen down any dust or use vacuum cleaner with correct filter.

6.2 Environmental precautions

Environmental precautions: Dispose in accordance with local authority regulations. Prevent spreadof dust. Do not allow to enter drains or water courses.

6.3 Methods and material for containment and cleaning up

Methods and material for containment: Wear protective equipment to prevent eye and skin contamination and the inhalation of dusts. Working in a well ventilated area is highly recommended.

Clean up methods: Wet the dust if possible, sweep up the solid. Dry sweeping is not recommended. Shovel up small pieces. Dampen down any dust before putting into appropriate skips.

6.4 Reference to other sections

For further information refer to section 8: "Exposure controls/personalprotection".

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Personal protection: 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 in a well-ventilated area (e.g. outdoor, open-area).
Work area should be cleaned regularly by wet sweeping or vacuuming.

Technical protective measures: Work in a well ventilated area
Use tools with appropriate dust exhaust equipment.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store in dry, covered and frost proof area. The products must be laid flat under cover on a smooth surface clear of the ground to avoid exposure to water or moisture.

7.3 Specific end use(s) Used as internal partition, ceiling, sheathing for exterior wall cladding in building.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Occupational/workplace exposure limits: Please refer to the Occupational Exposure Limits or Workplace Exposure Limits allowed in respective country. Ensure all national/local regulations are observed.

Control parameters for airborne: Practices likely to generate dust should be carried out in adequately ventilated areas or in process enclosures with exhaust ventilation.

Inhalable Refer to local restrictions mg/m^3

Respirable Refer to local restrictions mg/m^3

8.2 Occupational exposure controls

8.2.1 General protection controls

Industrial hygiene: Please refer to regulation in the respective country

8.2.2 Individual protection controls

Respiratory protection: Avoid breathing dusts. Use appropriate respiratory equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits

Skin protection: Avoid contact with skin. Use working clothes and gloves to protect against mechanical injury and direct skin contact.

Eye protection: Avoid contact with eyes. Use safety glasses whenever tools are used and dusts are produced.

Ingestion: During dry cutting, drilling, routing, and sanding with power or abrasive tool, or if dust is generated, use an approved particulate dust mask to prevent ingestion.

SECTION 9 Physical and chemical properties

Appearance: Board (solid)

Colour: Off-white/grey or Yellow

Odour: None

pH value: 9-11

Melting point/freezing point: 1200-1500°C

Initial boiling point and boiling range: No data available.

Flash point: No data available.

Evaporation rate: No data available.

Flammability: Non flammable.

Explosive limits Upper

Lower

Not applicable.

Not applicable.

Vapour pressure: Not applicable.

Vapour density: Not applicable.

Relative density: 1000-1350 kg/m³

Solubility in water: Insolubility in water

Auto-ignition temperature: Not Applicable

Viscosity: Not Applicable

Explosive properties: Not Applicable

Oxidising properties: Not Applicable

9.2 Other information

No asbestos, brucite, meerschaum or formaldehyde in the raw materials and the formulas.

SECTION 10 Stability and reactivity

10.1 Reactivity

Stability and reactivity: This product is stable under ordinary condition. It will generate dust during processing, handling and installation.

10.2 Chemical stability

Chemical stability: Stable under normal conditions of storage, handling and use.

10.3 Possibility of hazardous reactions

Hazardous reactions: No dangerous reactions under normal conditions of use.

Hazardous properties: Not Applicable

10.4 Conditions to avoid

Conditions to avoid: None under recommended storage and handling conditions.

10.5 Incompatible materials

Materials to avoid: Strong acid and strong alkali.

10.6 Hazardous decomposition products

Normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Calcium silicate board is non-toxic in its intact form.

Skin corrosion/Irritation: Not Classified

Serious eye damage/eye irritation: Not Classified

Respiratory or skin sensitisation: Not Classified

Germ cell mutagenicity: Not Classified

Carcinogenicity: Not Classified

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

On product: The inhalation of quartz containing dust, in particular the fine dust fraction (respirable size), in high concentrations or over repeated or prolonged periods of time can be hazardous to health and may lead to chronic lung disease and an increased risk of lung cancer. This risk will be minimal if correct working practices are observed and applied. (Refer to Section 8).

SECTION 12 Ecological information

12.1 Toxicity

Not applicable.

12.2 Persistence and degradability

Not applicable.

12.3 Bioaccumulative potential

Not applicable.

12.4 Mobility in soil

Not applicable.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

Not applicable.

SECTION 13 Disposal considerations

13.1 **Waste treatment methods** Handle as construction waste

13.2 General

Product: Dispose in a safe manner in accordance with local/national regulations.

Contaminated packaging: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

14.1 UN number

ADR/RID: Not regulated as dangerous goods

IMDG: Not applicable.

IATA: Not applicable.

14.2 UN proper shipping name

ADR/RID: Not applicable.

IMDG: Not applicable.

IATA: Not applicable.

14.3 Transport hazard class(es)

ADR/RID: Not applicable.

IMDG: Not applicable.

IATA: Not applicable.

14.4 Packaging group

ADR/RID: Not applicable.

IMDG: Not applicable.

IATA: Not applicable.

14.5 Environmental hazards

ADR/RID: Not regulated as dangerous goods

IMDG Marine pollutant: Not regulated as dangerous goods

IATA: Not regulated as dangerous goods

14.6 Special precautions for user

Overland transport: There are no specific requirements for handling and storage.

Air transport: There are no specific requirements for handling and storage.

Inland waterway transport: There are no specific requirements for handling and storage.

Rail transport: There are no specific requirements for handling and storage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 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	Contains no substance on the REACH candidate list
15.1.2	National regulations	No additional information available
15.2	Chemical safety assessment	No chemical safety assessment has been carried out.

SECTION 16 Other information

Further Information

Operators must wear an approved particulate dust mask during cutting, grinding, sanding, drilling, routing or abrading of this calcium silicate product. When cutting the board please use a good dust collecting machine.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Roofing & Cladding Materials Ltd nor any other subsidiary of the Benx Group will be held accountable for any damage resulting from handling or from contact with the above product. This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.



Y-Wall

Generated on 22.04.2020

Detailed description

Flexible cement/ calcium building board, for applications that require a slightly lighter board with improved fire properties. Product offers very similar properties to cement particle board, however due to the calcium additives it offers a greater fire resistance. Fully tested to achieve a one hour through wall solution with external sheathing board properties.

As a sheathing board, it can be used behind rain screen cladding, insulated facades and cedar cladding (in this application, the use of a water resistant/ breathable membrane such as Tyvek, on to the face of the board, is recommended in line with good building practises for external cladding). CE marked and conforms to BS EN 12467.

Key applications:

- Sheathing board on metal and timber frame.
- OEM Application where improved strengths and density are required.
- Fire rated flooring and roofing.
- Fire rated walling.

Features:

- A non-combustible classification A1.
- Excellent water resistance properties.
- Flexible and strong.
- RCM's lightest sheathing board with improved workability.
- Excellent water resistance properties.
- One hour load bearing fire protection.
- High impact strength.

Product guidance - As Standard

Colour:

Yellow.

General:

- Nominal density: 1200 kg/m³.
- Bending strength (Modulus of Rupture): 9.8 Mpa.
- Modulus of Elasticity (MoE): 4.0 Mpa.
- Thermal conductivity: 0.12 W/mk.
- Fire rating: BS 476-4 non-combustible; 1 and 2 Hour through wall fire protection tested to BS 476-22.
- Fungus and termite attack: Highly resistant.
- Frost resistance: Four star.

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www.buildingboards.co.uk
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- Front face smooth, back face textured.
- Durability (minimum): 30 years.

Options

Size:

Two standard sizes available, other sizes available upon request.

Recommended fixings:

4.8 x 38 mm wing tip self-drilling fixing.

Product specification

Manufacturer

- Name: RCM - Roofing and Cladding Materials Ltd
- Web: www.buildingboards.co.uk
- Email: info@rcmltd.biz
- Tel: +44 (0)800 6124662
- Fax: +44 (0)845 1303726
- Address: Units 25-26 Rosevale Road, Parkhouse Industrial Estate West, Newcastle-under-Lyme, Staffordshire ST5 7EF

Product reference	Y-Wall
Size	1200 x 1200 mm 1200 x 2400 mm
Thickness	6 mm - 24 dB sound insulation. 9 mm - 29 dB sound insulation. 12 mm - 31 dB sound insulation.
Accessories	[None] [RCM Foil Tape] - Waterproofing seal. [RCM Intusil] - Neutral cure sealant for use in gaps and joints. [RCM Joint Seal] - Air tightness seal.

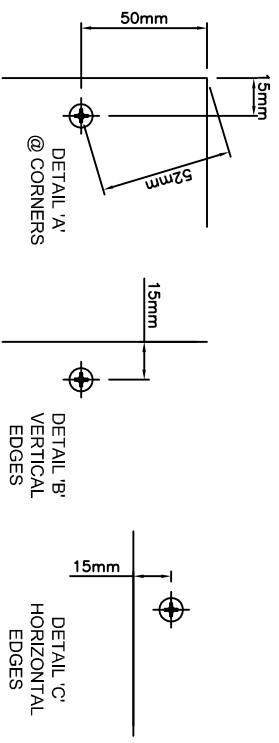
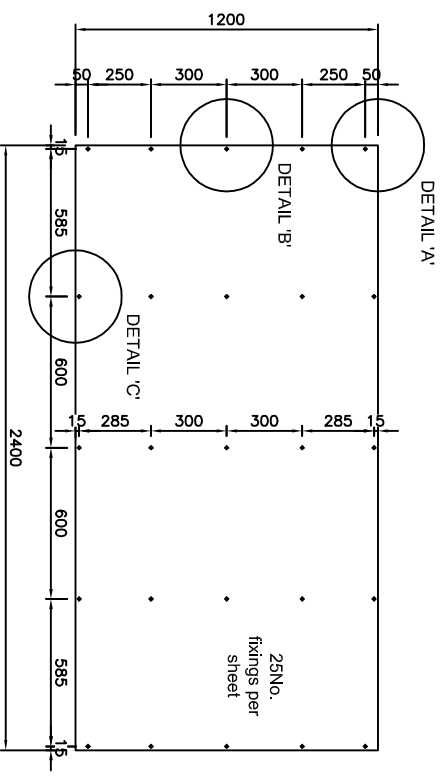
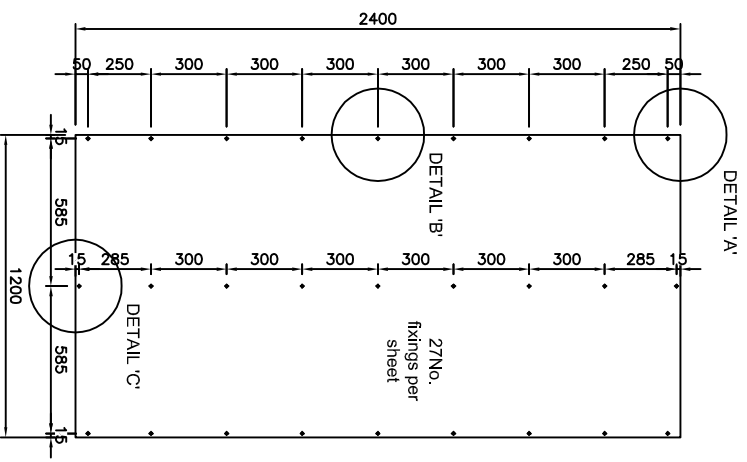
NOTES :-



FOR FIXING INTO SFS FRAMING
4.8mm x 38mm WINGTIP FIXING



FOR FIXING INTO TIMBER FRAMING
4.2mm x 42mm FIXING



RCM - Y-WALL TYPICAL FIXING DETAILS

(NOMINAL 2mm TO 5mm JOINT GAP BETWEEN BOARDS)
MINIMUM EDGE DISTANCE 15mm

No	DESCRIPTION	DATE
	REVISION	
ROOFING AND CLADDING MATERIALS		
Y-WALL		
TYPICAL BOARD FIXING GUIDE		
SCALE	NTS	DRAWN PM
DATE	16/07/18	CHECKED
DWG. No	RCM ST101	REVISION -



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