

MATERIAL SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Updated 05.05.2025

Marmox ROCK Board / Marmox Fireboard

1. Product and company identification

Identification of the product:

Trade Name: **Marmox ROCK Board / Marmox Fire board**

General use of the product:

Tile backer board underlayment and shower underlays for residential and Commercial installations, professional application

Manufacturer Identification:

CMB Egypt
319 Al – Haram Street
Giza – Egypt
Mobile: (002) 01001745177
Tel. No.: (202) 35854084
Fax No.: (202) 35859858

2. Composition / Information on ingredients

Chemical characterization (preparation):

Inert vitreous silicate mineral wool with a small amount of Bakelite (a synthetic thermosetting resin binder) and up to 0.3% mineral oil or up to 0.5% silicone oil or emulsion., coated with water resistant cement mortar according to EN 196, silica fillers, redispersible plastics, Glass fiber mesh and SBR based polymer.

3. Hazards identification

Hazardous Ingredients:

Mineral fibres have been classified by CE Regulations as Irritant and may cause transient mechanical skin irritation. High dust levels may irritate the throat and eyes.

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4. First-aid measures

General information: For mechanical processing: dust formation.

After inhalation:

Dusts/particles: Provide fresh air. Seek medical treatment in case of persistent symptoms.

In case of skin contact:

Dusts/particles:

Wash with soap and water

In the event of persistent symptoms seek medical treatment.

Avoid rubbing of skin to avoid dust penetration into the skin.

After Eye contact:

Dusts/particles: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of persistent symptoms, consult an Ophthalmologist.

After swallowing:

Dusts/particles: Rinse mouth thoroughly with water followed by sips of water to clear throat. In the event of persistent symptoms seek medical treatment.

Most important effects both acute and delayed:

No data available.

5. Firefighting measures

The products are non-combustible and do not pose a fire hazard. Pinking may occur at high temperatures. Some facings and packaging materials may burn.

Suitable extinguishing media: Water, foam, carbon dioxide or dry powder.

Extinguishing media that must not be used for safety reasons: None

Combustion products: Carbon dioxide, carbon monoxide and trace gases.

Special protective equipment for fire fighters: Observe normal fire fighting procedures

6. Accidental release measures

Personal precautions: No special measures are required.

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7. Handling and storage

Handling:

Unpack material at application site to avoid unnecessary handling of product. Keep work areas clean. Dispose of scrap material and debris in suitable containers. Spray with water before sweeping or use vacuum equipment.

Storage:

Keep material in original packaging until it is to be used. Store material to protect against damage including the weather

8. Exposure control / personal protection

Fibres: Workplace exposure limit (WEL) 5mg/m³, 8 hour time weighted average gravimetric measure. If the WEL is likely to be exceeded (for example when using high speed cutting tools or when working in confined spaces) disposable face masks complying with BS EN149 FFP1 or FFP2 should be used and are suitable for most applications.

Initial heating up: When insulation wool is heated to approximately 200°C for the first time(s), release of binder components and binder decomposition products occurs. The fumes can be detected by their acrid odour and high concentrations of these gases may irritate the eyes and respiratory system. In general, decomposition products from pyrolysis or burning of organic material can cause respiratory sensitisation. There are no recorded incidents of respiratory sensitisation from gases released from Marmox products. However, general dilution ventilation and/or local exhaust ventilation should be provided as necessary to control exposure to fumes when high temperature appliances are first put into service.

Hand protection: Not normally required but suitable gloves can be worn.

Eye protection: With heavy dust development or when working with product above head height, the use of safety goggles is advised.

Skin protection: No special requirements: loose fitting, long-sleeved, long-legged, work clothes advised. Change clothes and wash on completing work.

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9. Physical and chemical properties

Appearance: solid

Colour: n.a.

pH (at 1000g/H₂O, 25°C): neutral or slightly
alkaline (pH7-9) **Boiling point:** n.a.

Melting point: above 1000°C. The limiting
temperature applicable for use is dependent
upon specific product type and intended
application and must be taken from the
appropriate Marmox product data sheet.

Auto-flammability: non combustible ISO 1182

Explosive properties: n.a.

Oxidising properties: n.a. Vapour pressure: n.a.

Fibre density: n.a. Solubility: generally
chemically inert and insoluble in water **Partition**
coefficient: n.a.

10. Stability and reactivity

Stability: Stable

Reactivity: Not reactive

Thermal decomposition products: When insulation wool is heated to
approximately 200°C for the first time(s) binder components and
decomposition gases are emitted from the binder. The decomposition

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starts at approximately 200°C and the duration of release depends on thickness of insulation, binder content and temperature(s) applied

11. Toxicological information

Carcinogenic, mutagenic and reproductive toxic effects: NONE. Human epidemiological studies show no link between exposure to mineral wool fibres and lung disease or any other chronic effects. Owing to their high bio-solubility, the fibre types of insulation materials are assessed as free from suspicion of possible carcinogenic effects in accordance with EU Directive 97/69/EC. This Directive is incorporated into EU health and safety legislation through The Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations - known as CHIP.

Other observations: In the case of coarser fibres, there can be physical effects on skin, upper respiratory system (mucous membranes) and eyes that can cause temporary, self-fading effects (eg itching). No chemical effects ensue

12. Ecological information

Stable product with no known adverse environmental effects.

13. Disposal considerations

Product: No special precautions

Hazardous waste regulations: The Product is classified as non-hazardous waste covered by the non-hazardous entry

Landfill regulations: The product waste is categorized as "waste accepted at landfills for non-hazardous waste."

14. Transport regulations

No special precautions.

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15. Regulatory information

EC Classification: The product contains Mineral Fibres [Man-made vitreous (silicate) fibres]. Danger Symbol - Xi, Irritant. Risk Phrases - Irritating to skin (R:38). Safety Phrases - Wear suitable protective clothing and gloves (S36/37). mineral wool is not classified as a possible carcinogen, ref. Note Q of EU Directive 97/69/EC and HSE "CHIP" regulations.

Exposure Limits: Recommended workplace exposure limit (WEL) 5 mg/m³, 8 hour time weighted average gravimetric measure

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16. Other information

Health and Safety Executive Guidance Note EH40 – Occupational Exposure Limits

- Health and Safety Commission "The Chemicals (Hazard Information and Packaging for Supply) Regulations" - „CHIP"
 - Hazardous Waste Regulations
 - List of Wastes/ European Waste Catalogue (EWC) • Environment Agency Technical Guidance WM2, "Interpretation of the definition and classification of hazardous waste" • Landfill Regulations • Eurisol Health Statement
- This information reflects typical values and is not a product specification. No warranty expressed or implied is hereby made. This materials safety data sheet does not constitute an assessment of workplace risk.