

# Material Safety Data Sheet

## Alumasc Mineral Wool TF

Sheet No: M108FR Issued: 25/04/12

Revision: 1 1<sup>st</sup> Issue: 16/06/05

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### 1. Identification of the substrate/preparation and of the company/undertaking

1.1 Identification/Trade name: Alumasc Mineral Wool TF

1.2 Use of the substance/preparation:  
Thermal insulation

1.3 Manufacturer/Supplier:

Alumasc Exterior Building Products Ltd  
White House Works, Bold Road, Sutton, St Helens, Merseyside, WA9 4JG. United Kingdom  
Tel: +44 (0)1744 648400 Fax: +44 (0)1744 648401 E-mail: [waterproofing@alumasc-exteriors.co.uk](mailto:waterproofing@alumasc-exteriors.co.uk)

1.4 Telephone number in case of emergency:  
01744 648 400 (Mon-Thur - 08.30-17.00 Fri - 08.30-16.00)

### 2. Hazards identification

2.1 Mineral Fibres:  
Rockwool mineral fibres have been classified by EU and HSE 'CHIP' regulations as irritant and may cause transient mechanical skin irritation.  
High dust levels may irritate the throat and eyes.

### 3. Composition and information about the components

3.1 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.

3.2 Table 1:  
Man-made vitreous (silicate) fibres Note Q.  
CAS No. - 287922-11-6  
Contents - 90-99%  
Classification - X  
R-phrases - Irritating to skin (R:38)

### 4. First-aid measures

4.1 Skin Contact:  
If irritation occurs, wash off under cold running water prior to washing with mild soap. Do not rub or scratch

4.2 Eye Contact:  
If irritation occurs, flush eyes with potable cold water. Do not rub the eyes.

4.3. Throat:  
If irritation occurs, clean throat by rinsing with cold, potable water.

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#### 4.4. Binder Gasses:

If eye or respiratory irritation occurs, leave source of contamination and get fresh air. Consult physician if irritation persists.

### 5. Fire-fighting measures

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

#### 5.1 Extinguishing Media:

Water, foam, carbon dioxide or dry powder.

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

#### 5.2 Hazardous Combustion Products:

Carbon dioxide, carbon monoxide and trace gasses.

#### 5.3 Protection of Fire-fighters:

Observe normal fire fighting procedures.

### 6. Accidental release measures

6.1 Not applicable

### 7. Handling and storage

#### 7.1 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.

#### 7.2 Storage:

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

### 8. Exposure controls/personal protection

#### 8.1 Inhalation:

**Fibres:** Maximum exposure limit (MEL) 5m/m<sup>3</sup>, 8 hour time weighted average gravimetric measure. If the MEL 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.

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**Initial heating up:** When insulation wool is heated to approximately 200 deg.C. for the first time(s), release of binder components and binder decomposition products from pyrolysis or burning of organic material can cause respiratory sensitisation. There are no recorded incidents of respiratory sensitisation from gasses released from Derbirock 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.

### 8.2 Hands:

It is recommended that gloves be worn when handling the product.

### 8.3 Eyes:

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

### 8.4 Skin:

No special requirements. Loose fitting long sleeved, long legged work clothes advised. Change clothes and wash on completing work.

## 9. Physical and chemical properties

### 9.1 General information

Supplied in board form, with no significant odour. Green-light brown in colour.

### 9.2 Important health, safety and environmental information

Appearance	:	Solid green-brown
Odour	:	Not applicable
pH (at 1000h/H <sub>2</sub> O, 25 deg.C)	:	Neutral or slightly alkaline (ph7-9)
Boiling point	:	Not applicable
Melting point	:	Above 1000deg. C. The limiting temperature applicable for use is dependent upon specific product type and intended application and must be taken from the appropriate product data sheet.
Flash point	:	Non combustible ISO 1182
Flammability	:	Non combustible ISO 1182
Auto Flammability	:	Non combustible ISO 1182
Explosive properties	:	Non combustible ISO 1182
Oxidising properties	:	Not applicable
Vapour pressure	:	Not applicable
Fibre density	:	Not applicable
Solubility	:	Generally chemically inert and insoluble in water
Partition coefficient	:	Not applicable
Other data	:	No applicable

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### 10. Stability and reactivity

- 10.1 Stability:**  
Stable
- 10.2 Reactivity:**  
Non reactive
- 10.3 Thermal decomposition products:**  
When insulation wool is heated to approximately 200 deg. C for the first time binder components and decomposition gasses are emitted from the binder. The decomposition starts at approximately 200 deg. C and the duration of release depends on thickness of insulation, binder content and temperature(s) applied.

### 11. Toxicological information

- 11.1. 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 Derbirock stone wool insulation materials are assessed as free from suspicion of possible carcinogenic effects in accordance with EU Directive 97/69/WEC (Note Q). This Directive is incorporated into UK health and safety legislation through The Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations - known as CHIP.
- 11.2** In October 2001, the International Agency for Research on Cancer ("IARC", part of the Work Health Organisation) reviewed its 1987 classification of mineral wool fibres and removed them from its list of possible carcinogens, reflecting the increase in scientific knowledge and the established safety of mineral wool for workers and building occupiers.
- 11.3 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 (e.g. itching). No chemical effects ensue.

### 12. Ecological information

- 12.1** Stable product with no known adverse environmental effects.

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### 13. Disposal considerations

No Special Precautions.

#### 13.1 Hazardous waste regulations:

Derbirock insulation is classified as non-hazardous waste. Derbirock insulation waste is covered by the non-hazardous entry "17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03" in the List of Wastes/the European Waste Catalogue (EWC).

#### 13.2 Landfill regulation:

Derbirock insulation waste is categorized as "waste accepted at landfills for non-hazardous waste".

### 14. Transport information

14.1 No special precautions

### 15. Regulatory information

#### 15.1 EC Classification:

The product contains Mineral Fibres (Man-man vitreous (silicate) fibres). Danger Symbol - X, Irritant. Risk Phrases - Irritating to skin (R:38). Safety Phrases - Wear suitable protective clothing and gloves (S36/37).

Derbirock mineral wool is not classified as a possible carcinogen, ref. Note Q of EU Directive 97/69/EC and HSE "CHIP" regulations.

#### 15.2 Other Regulation:

Not applicable

#### 15.3

#### 15.4 Exposure Limits:

Recommended maximum exposure limit (MEL) 5mg/m<sup>3</sup>, 8 hour time weighted average gravimetric measure.

### 16. Other information

16.1 No other information.