



## Material Safety Data Sheet SAS Metal Ceiling Systems

### Product

Steel/Aluminium Ceiling Systems , Suspended Ceiling systems

### Manufacturer

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### Intended Use

For use as a metal ceiling tile in conjunction with a suitable support system.

### Composition

The product is either aluminium alloy or mild steel coated with zinc by either an electrolytic or hot dip process and finished where applicable with polyester powder paint.

### Optional Extras:

\* Pads manufactured from inert vitreous silicate mineral wool surfaced with various finishes to customers specification; including plain and reinforced aluminium foil, polythene, PVC and man-made spun glass fibre tissue (70g/m<sup>2</sup>) bonded with synthetic latex binders, and adhered to the core using a fire retardant, specialist water based adhesive system.

\* Backing plate manufactured from mild steel coated with zinc by either an electrolytic or hot dip process.

\* Gasket manufactured from physically crossed linked foam polythene.

\* Tissue manufactured from viscose rayon with a vinyl acetate binder.

### Health Statement

When subject to the normal purposes for which they are designed, these products do not present health risks nor hazards. By their nature, these products may have sharp edges and corners, and the use of gloves when handling is recommended. When installing overhead it is advisable to wear head protection.

When cutting or welding these products, it is advisable to wear eye protection. Avoid ingestion or inhalation of any dust or fumes arising from such cutting operations and use a suitable face mask when necessary.

Metal is a good conductor of electricity and precautions should be taken to ensure contact with live power lines is avoided.

## Mineral Wool

Mineral Wool products are not classified under CHIP as hazardous, but are listed in the Control of Substances Hazardous to Health regulations (COSHH) with a maximum exposure limit (MEL). For insulation wools the appropriate limit is 5mg/m<sup>3</sup> (gravimetric).

Human epidemiological studies show no link between exposure to mineral wool fibres and lung disease or any other chronic effects. Rockwool fibres are not classified as a carcinogen by the European Commission Directive 97/69/EC. Skin contact may, however, cause transient mechanical skin irritation. High dust levels may irritate the throat and eyes. The fibres from which Rockwool are made are classified as an irritant under the CHIP Regulations 1998.

Industrial gloves can be worn to protect the hands against irritation. If the MEL is likely to be exceeded then disposable then disposable face masks complying with EN149 FFP1 or FFP2 should be used. Adequate ventilation should be provided at such sites. When working with mineral wool products above head height, eye protection is advised.

If irritation of the eyes occurs, wash eyes with water. If symptoms persist seek medical advice. If irritation of the skin occurs, wash under running water prior to washing with soap and water.

## Precautions for Handling and Storage

No special precautions are necessary for normal handling and storage, and no health problems are to be expected from long term exposure during these operations. The products should be kept dry at all times and stores in a dry environment. Ceiling tiles and cartons of ceiling tiles vary in weight up to a maximum of 40kg per carton, care should be exercised when lifting and it is advisable to wear foot protection.

Personal hygiene is essential, always wash hands thoroughly after handling particularly before eating.

## Procedures in the Event of an Emergency

There are no special risks associated and the products do not constitute a fire hazard. The products are not generally ignitable.

## Waste Disposal

Waste products are not hazardous and their disposal should be in accordance with local regulations.

## Measures Levels of Exposure of Operators when using the Product

The health & Safety Executive in its Guidance note EH40/98 - 'Occupational Exposures Limits' lays down exposure limits on the basis of a time weighted average. These are detailed below:

Material	Type of Limit	Long term Exposure limit (8hr TWA)
Man Made Mineral Fibre	MEL	5mg/m <sup>3</sup>
Welding Fume	OES	5mg/m <sup>3</sup>
Zinc Oxide Fume	OES	5mg/m <sup>3</sup>
Iron Oxide Fume	OES	5mg/m <sup>3</sup>

## Additional Information

Personal Protective Equipment at Work Regulations. Manual Handling Operations Regulations Control of Substances Hazardous to Health (COSHH) Approved code of practice & Control of Carcinogens ACOP BSEN166 - Specification for industrial eye wear BSEN388 - Specification for protective gloves against mechanical risks.

HSE Guidance Notes EH40 - Occupational Exposure Limits (Current Edition)

EH44 - Dust: General principles of Protection

EH46 - Man Made Mineral Fibres

EH55 - The Control of Exposure to Fume from Welding, Brazing and Similar Processes.

HS(G)173 - Monitoring strategies for Toxic Substances HSE information sheet: Engineering sheet No.16 - Preventing Injuries from the Manual Handling of Sharp Edges in the Engineering Industry. Eurisol (UK Mineral Wool Association) Health Statement.