

# Material Safety Data Sheet

## Metal Ceiling Systems

### 1. Identification

Metal Suspended Ceiling System.

### 2. Composition

Mild steel zinc coated (Zintec) tiles with Zintec/Galvanised steel grid-work. Finished with high solid Polyester powder paint coating.

Extras:

- Aluminium foil or Polythene wrapped 45kg/m<sup>3</sup> 25mm thick mineral wool insulation pad.
- SRA/15 insulation board. Mineral (manmade), Cellulose fibres, Clay and other inorganic fillers content.
- Acoustic tissue fleece manufactured from non-woven (manmade) Viscose/Polyester flame retardant fibres, 70g/m<sup>2</sup> with synthetic binder.

### 3. Hazard Identification

Once installed and in normal use, the ceiling system does not present any health hazards or risks. Tiles and support grid often have sharp exposed edges or burrs.

Cutting of tiles and grid may produce dust and fumes.

Unwrapped mineral wool pads may cause temporary skin irritation. High dust levels may irritate the throat or eyes.

Precaution should be taken to avoid contact with live power cables as metal is a good conductor of electricity.

### 4. First Aid Measures

**General:** In all cases of doubt or when symptoms persist seek medical attention.

**Eyes:** If irritation occurs wash eyes with water.

**Skin:** If irritation occurs wash skin with soap and water.

### 5. Fire Fighting Measures

The products do not pose a fire hazard. However, some packaging materials or facings may burn.

**Suitable Extinguishing Media:** Water, foam, carbon dioxide, dry powder.

**Products of combustion:** Carbon dioxide, carbon monoxide and some trace gases.

### 6. Accidental Release Measures

Not applicable.

### 7. Handling and Storage

Avoid unnecessary handling of unwrapped pads. Be careful of exposed edges when handling tiles.

Care should be taken to keep the product dry at all times.

Cartons of tiles may weigh up to 50kg so care should be taken when lifting and the use of protective footwear is recommended.

### 8. Exposure Controls - Personal Protection

**Metal Ceiling Components:**

**Occupational Exposure Limit - Iron Oxide, Fume:** 5mg/m<sup>3</sup>. 8 hour Time Weighted Average.

**Occupational Exposure Limit - Zinc Oxide, Fume:** 5mg/m<sup>3</sup>. 8 hour Time Weighted Average. When handling the product the wearing of gloves is recommended and the wearing of protective head gear when fitting the ceiling is advisable.

Ensure adequate ventilation when cutting tiles and pads and eye protection is recommended along with the wearing of a face mask where required.

**Unwrapped Pads:**

**Maximum Exposure Limit - Airborne dust:** 5mg/m<sup>3</sup>. 8 hour Time Weighted Average (gravimetric method).

**Respiratory protection:** In confined spaces it is recommended that disposable face masks complying with EN149 FFP1 or FFP2 should be used and are suitable for most applications to improve comfort.

**Hand protection:** Not normally required, but gloves may be worn for comfort.

**Eye protection:** When working with the product above head height, eye protection is advised.

**Skin protection:** No special requirement other than loose clothing.

**9. Physical & Chemical Properties**

**Appearance:** Zintec metal pan clip-in tiles with Zintec and galvanised steel support grid. Aluminium or Polythene wrapped mineral wool insulation pads. SRA/15 mineral/fibre acoustic pads.

**Melting point:** Above 600°C

**Solubility:** Insoluble in water and generally chemically inert.

**10. Stability and Reactivity**

No special physical conditions need to be avoided.

No restrictions regarding incompatible materials.

**11. Toxicological Information**

**Metal Ceiling Components:** No identified effects.

**Unwrapped Pads:**

Committee on Carcinogenicity (COG) recommends that mineral wool fibres are not classified for carcinogenicity under the EU dangerous Substances Directive.

No link between exposure to mineral wool fibres and lung disease in production or user industry. No chronic effects usually associated with skin or eye contact.

**12. Ecological Information**

Stable product with no known adverse environmental effects.

**13. Disposal Considerations**

No special precautions. As non-hazardous products, may be dumped in waste landfill.

**14. Transport Information**

No special precautions.

**15. Regulatory Information**

No special labelling required. Products are articles not substances and, as such, not subject to the CLP Regulations (EC) no. 1272/2008 - Classification, Labelling and Packaging of substances and mixtures.

**COSHH Regulations (Pad) - Schedule 1:** MEL of 5mg/m<sup>3</sup> dust, 8 hour TWA (gravimetric) applies to all mineral wool dust.

**16. Other Information**

Health and Safety at Work Act Control Of Substances Hazardous to Health Regulations 2002 (COSHH). Eurisol Health Statement - Eurisol, 39 High St., Redbourn, Herts, AL3 7LW. HSE Guidance Note EH46: Man-made mineral fibres.

HSE Guidance Note EH40: Occupational Exposure Limits.

HSE Health and Safety at Work Booklets No.1 - Lifting and Carrying. British Steel PLC - Product Health and Safety Data Sheet No. 18.

COC Annual Report on Carcinogens: 1994.

European Chemical Agency (EHCA) Guidance and information on the CLP Regulation.