

Product Safety Datasheet: SAS Metal Ceiling System Tiles

Ref: PSD 001

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1. Product Identification

Products: Metal tiles – 120, 130 etc

Use: Metal Ceiling System Components

Company: SAS International
31 Sutton Business Park
London Road
Reading
Berkshire
RG6 1AZ

2. 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.

Steel sections are in accordance with the following standards:
EN 10346:2015 Continuously hot-dip coated steel flat products for cold forming
EN 10142 Electrolytic galvanised steel sheet
EN 10152:2017 Electrolytically zinc coated cold rolled steel flat products for cold forming

Aluminium section are extruded from Billet type: 6063

3. Hazards Identification

The Products are non-toxic under normal conditions of storage and use. Metal sections are good electrical conductors and precautions should be taken to ensure that contact is not made with live power sources.

4. First Aid Measures

Inhalation: No hazards expected under normal use. Use appropriate respiratory protection, or vacate the area if exposed to excessive levels of fumes or dust.

Skin Contact: Rinse loose material away from skin and then wash skin thoroughly using recommended skin cleaner. If after final rinsing and thorough drying of skin, it is still giving problems, seek medical attention.

Eye Contact: Do not rub eyes. Immediately flush with water for at least 15 minutes – see medical attention if symptoms persist.

Ingestion: No hazards expected under normal use. If gastric disturbance occurs, seek medical attention.

5. Fire Fighting Measures

Under normal conditions of storage and use the products are not flammable or Hazardous. Some packaging and protection materials may burn.

General Fire Hazard: *Product will not burn*

Extinguishing media: Water, Foam, Carbon Dioxide or Dry Powder

Special Fire Fighting Procedures: *None*

Unusual Fire and Explosive hazards: *None*

Hazards Conduction Products: *None*

Flash Point: *None*

Auto Ignition: *N/A*

Method used: *N/A*

Flammability Classification: *N/A*

Upper Flammable Limits: *N/A*

Lower Flammable limits: *N/A*

Rate of Burning: *N/A*

6. Accidental Release Measures

No special requirements

7. 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.

Product and packaging can vary in weight up to a maximum of 40kg per carton. Care should be taken when lifting with suitable risk assessment carried out and if required lifting equipment used.

These products may have sharp edges and corners, the use of gloves when handling is recommended.

The products should be kept dry at all times and stored in a dry environment and protected from damage including the weather.

8. Exposure and Personal Protection

Measures Levels of Exposure of Operators when using the Product The Health & Safety Executive in its Guidance note EH40/2011 - '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)

Welding Fume OES 5mg/m²
Zinc Oxide Fume OES 5mg/m²
Iron Oxide Fume OES 5mg/m²

Appropriate respiratory protection should be employed if the occupational exposure limits are exceeded.

Personal Protective Equipment (PPE)

Respiratory Protection: Not normally required

If the surface of the product is either mechanically or hand sanded, high levels of inhalable dust and other harmful substances may be released. If such operations cannot be avoided, appropriate respiratory protection is required complying with EN 149 FFP 1 or FFP2.

Hand Protection: Wear protective gloves to prevent injury when cutting product or package banding straps.

Eye Protection: Suitable eye protection should be worn when power tools are operated on the product or when pallet banding straps are released.

Skin Protection: Any skin cuts and abrasions should be protected by an appropriate dressing. Protective clothing should be worn to prevent laceration of skin by sharp, damaged or cut edges of profiles; or during handling or release of pallet banding strips or tie wires on bundles.

Refer to Personal Protective Equipment at Work Regulations 1992 for guidance.

9. Physical and Chemical Properties

Physical Properties: Light commercial steel or aluminium sections

Chemical Properties: Hot dipped galvanised steel

Steel Composition	Iron	99.9%
	Carbon	0.08%
	Manganese	0.35%
	Aluminium	0.08%

Coating Composition	Zinc	99.5%
	Aluminium	0.50%

Organic Coating	Primer:	Epoxy or Polyester
	Finish:	Polyester

Organic coating applied to galvanised steel are epoxy primer and polyester finish which are fully polymerised by induction curing and no volatile compounds remain in this coating.

10. Stability and Reactivity

Product is stable with no known conditions to avoid and no known hazardous decomposition products.

11. Toxicological Information

No Known toxicological effects

12. Ecological Information

Eco – toxicity: No known adverse environmental effects.

13. Disposal Considerations

Not classified as special waste under Waste Regulations 2011. Materials should be treated as commercial scrap and removed to an appropriate recycling or disposal centre in accordance with local regulations.

Packaging and interleaving materials where used should be collected and suitably recycled or disposed of in accordance with local regulations.

14. Transport Information

No restricted for transport regulations, no special precautions necessary

15. Regulatory Information

No special labelling required

16. Other Information

This safety data sheet should not be considered replacement for a workplace risk assessment as required by The Control of Substances Hazardous to Health (COSHH) Regulation 2002 and Construction Design Management (CDM) Regulations 2015.

Reference Information:

Health & Safety at Work act 1974
The Control of Substances Hazardous to Health (COSHH) Regulation 2002
Manual Handling Operations Regulations 1992
Personal Protective Equipment at Work Regulation 1992
HSE Guidance Note EH 40/2011 – Work Exposed Levels.