



CEILING SYSTEMS

[Between us, ideas become reality.™]

MATERIAL SAFETY DATA SHEET

Armstrong Trulok Suspension Systems

Data Sheet Ref: MSDS-1-GRID

Last Updated: 27 February 2007

1) Product Identification

Product(s): Trulok Prelude 15, Trulok Prelude 24, Trulok Prelude T35, Trulok Prelude Silhouette, Trulok Drywall Grid (DGS), Trulok Bandraster, Orcal 1800 Grid, Orcal 3000 Grid, Trulok Perimeter Trims, Trulok Accessories

Use: Suspended Ceiling Suspension System Components

Company: Armstrong World Industries Ltd
Building Products Division
Armstrong House
38 Market Square
Uxbridge
Middlesex UB8 1NG
Tel. 0800 371849

2) Composition

Roll formed and pressed galvanised steel or aluminium suspension components, for the support of infill ceiling panels, supplied in cartons or wire tied bundles.

Steel sections are in accordance with the following standards:

European Standard EN 10214 Pre-painted steel capping
European Standard EN 10142 Hot-dipped galvanised steel sheet
European Standard EN 10152 Electrolytic galvanised steel sheet.

Hot dipped galvanised steel profiles or components may have residues of mineral oil lubricants, emulsifiers, corrosion lubricants and non-phenolic biocide.

Aluminium sections are extruded from billet type HE9 TF.

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 hazard 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 from skin and then wash skin thoroughly using a recommended skin cleaner. If after final rinsing and thorough drying of the skin, it is still giving problems, seek medical attention.

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

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

MATERIAL SAFETY DATA SHEET

Armstrong Trulok Suspension Systems

Data Sheet Ref: MSDS-1-GRID
Last Updated: 27 February 2007

5) Fire Fighting Measures

Under normal conditions of storage and use the products are not flammable or hazardous.

General Fire Hazards:	Will not burn		
Extinguishing Media:	n/a – not combustible		
Special Fire Fighting Procedures:	None		
Unusual Fire and Explosion Hazards:	None		
Hazardous Combustion Products:	None		
Flash Point:	None	Auto Ignition:	n/a
Method Used:	n/a	Flammability Classification:	n/a
Upper Flammable Limit:	n/a	Rate of Burning:	n/a
Lower Flammable Limit:	n/a		

6) Accidental Release Measures

No specific requirements.

7) Handling and Storage

Steel sections are palletised and banded for transport and for storage purposes and should be off-loaded using a forklift truck. Stacking should always be on a level bearing and be in full pallets. Product should be kept dry at all times and stored in a dry environment. Hands should be washed regularly and always before consuming food. Refer to the Manual Handling Operations Regulations 1992 (as amended) for guidance.

8) Exposure Controls and Personal Protection

Exposure Controls:

Under normal conditions of storage and use the products are not flammable or hazardous. The products can be enveloped by fire and noxious products can be released by localised heating. Appropriate respiratory protection should be employed if the occupational exposure limits are exceeded. Working exposure limits for the principal components from these products are shown in the table below.

	Long-term exposure limit (8 hour TWA reference period) mg.m⁻³	Short-term exposure limit (15 minute reference period) mg.m⁻³
Carbon monoxide	35.00	232.00
Chromium hexavalent compounds	0.05	-----
Acrylaldehyde (Acrolein)	0.23	0.70
Iron oxide fumes	5.00	10.00
Zinc oxide fumes	5.00	10.00
Phtalic anhydride	4.00	12.00
Aluminium oxide	10.00	-----
Phenol	----- (2 ppm)	-----

MATERIAL SAFETY DATA SHEET

Armstrong Trulok Suspension Systems

Data Sheet Ref: MSDS-1-GRID
Last Updated: 27 February 2007

Personal Protective Equipment:

- 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 FFP1 or FFP2.
Hot work, such as drilling, cutting, welding or brazing of the product should be controlled to minimise the risk from the emission of harmful fumes or dust. Good ventilation should be available and inhalation avoided by the use of appropriate respiratory protection complying with EN 149 FFP1 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 products 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 the skin by sharp, damaged or cut edges of profiles; or during handling or release of the pallet banding strips or tie wires on bundles.

Refer to Personal Protective Equipment at Work Regulations 1992 (as amended) 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% max
	Manganese	0.35% max
	Aluminium	0.08% max
Coating composition:	Zinc	99.5%
	Aluminium	0.50% max
Organic coating:	Primer	epoxy or polyester
	Finish	polyester

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

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.

MATERIAL SAFETY DATA SHEET

Armstrong Trulok Suspension Systems

Data Sheet Ref: MSDS-1-GRID
Last Updated: 27 February 2007

12) Ecological Information

Eco-toxicity: No known adverse environmental effects

13) Disposal Considerations

Not classified as special waste under the Special Waste Regulations 1996. Material 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.

Keep out of reach of children.

14) Transport Information

Not restricted for transport regulations. No special precautions necessary.

15) Regulatory Information

No special labelling required.

16) Other Information

This Material Safety Data Sheet should not be considered a replacement for a workplace risk assessment as required by The Control of Substances Hazardous to Health (COSHH) Regulations 2002.

Products should be used in accordance with current Armstrong manufacturer's recommendations and product literature.

Reference information:

- Health & Safety at Work Act 1974
- The Control of Substances Hazardous to Health (COSHH) Regulations 2002
- The Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations 2005 (CHIPS 3.1)
- Information Approved for the Classification and Labelling of Dangerous Substances and Dangerous Preparations ('Approved Supply List'): 8th Edition 2005
- Manual Handling Operations Regulations 1992 (as amended)
- Personal Protective Equipment at Work Regulations 1992 (as amended)
- HSE Guidance Note EH 40/2005 - Workplace Exposure Levels

For further information, contact:

Internal Technical Sales
Armstrong World Industries Limited
Armstrong House
38 Market Square
Uxbridge UB8 1NG
England



0800 371849



sales-support@armstrong.com



www.armstrong-ceilings.co.uk