

Material Safety Data Sheet Luxalon® Metal Ceiling Systems

Section 1 – Chemical Product Information and Company Identification

Product name : Luxalon® Aluminium or Steel Ceiling Systems
CAS# : mixture/ non assigned
Generic name : ceiling system
Formula : mixture
Chemical Name : mixture
Hazard Label : not applicable
Manufacturer :
Hunter Douglas Europe BV
P.O. Box 5072
3008 AB Rotterdam
the Netherlands
Telephone: +31 (0)10 4869911
Trade Names : Luxalon®, Hunter Douglas

Section 2 – Composition/ Information on Ingredients

Intended Use : for use as a metal ceiling panel in interior or exterior building applications in conjunction with a suitable support system.
Composition : the product is either aluminium alloy (HD5050, EN AW 3005 or EN AW6011) or mild steel coated with zinc by an electrolytic process (DX 51D+Z100) and finished with a polyester or polyurethane paint.
Optional Extras : Non-woven celluloid-glass fibre mix (sound absorbing) tissue bonded with a synthetic resin, glued to the inside of the panels with a polyethylene/ polypropylene hot melt glue.

Section 3 – Hazards Identification

Health Statement : when subject to the normal purposes for which they are designed, these products do not present health risks or hazards. By their nature, these products may have sharp edges and corners, and the use of suitable gloves when handling is recommended. When installing overhead it is advised to wear head protection. When cutting these products, it is advised 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. When using power tools for cutting it is advised to wear suitable ear protection.
Metal is a good conductor of electricity and precautions should be taken to ensure contact with live power lines is avoided.

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 stored in a dry environment. Ceiling panels and cartons of ceiling accessories vary in weight up to a maximum of 25kg per carton, care should be exercised when lifting and it is advised to wear foot protection.
Personal hygiene is essential; always wash hands thoroughly after handling, particularly before eating.

Section 4 – Fire Fighting Measures

Method used : EN 13501-1

Reaction to Fire Class :

- A1 for all non-painted metal elements with or without zinc coating
- A2,s1,d0 for all metal elements with polyester- or polyurethane coating and Luxalon® Closed Ceiling panels, perforated with non-woven acoustic tissue
- A2,s2,d0 for all other Luxalon® Ceiling panels, perforated with non-woven acoustic tissue

General Fire Hazards : all products in their normal shape are classified as non-combustible. There is no potential for fire or explosion.

Extinguishing Media : Carbon dioxide (CO₂), water, water fog, dry chemical. Any cooling or oxygen excluding method.

Fire Fighting Instructions : No special procedures are expected to be necessary for this product. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases.

Section 5 - Handling and Storage

Handling Procedures : use protective equipment as described in section 6 of this material safety data sheet when handling products.

Storage Procedures : warehouse storage should be in accordance with package directions, if any. Material should be kept dry and protected from the elements.

Section 6 – Exposure Controls/ Personal Protection

General Exposure Guidelines

Protective equipment should be provided as necessary to prevent cuts and/or irritation to eyes, skins, respiratory tract and hearing, and to keep exposure levels below the applicable exposure limits. Personal hygiene is essential; always wash hands thoroughly after handling, particularly before eating.

Personal Protective Equipment

General : jewellery like rings, bracelets and hangers should not be worn during any execution of works. Shoelaces should be tightened as should be any clothing pieces that pose a risk of snagging.

Eyes/ Face : safety glasses with side shields are recommended to keep dust out of eyes.

Hands : leather or cotton gloves should be worn to protect against cuts from sharp edges and corners.

Head : head protection should be worn to protect against falling elements

Feet : S3 class safety shoes should be worn to protect against cuts and crushing.

Body : Loose-fitting, snag-free, long-sleeved, long-legged clothing should be worn to protect skin from cuts and irritation.

Section 7 – Physical & Chemical Properties

Appearance : metal ceiling panels, plain or perforated, with or without a non-woven sound absorbing tissue, finished in any colour.

Odour : no significant odour

Physical state : solid

Density : Aluminium 2700 kg/m³, steel 7800 kg/m³

Melting point : Aluminium 932 K, steel 1630 K

Thermal conductivity : Aluminium 204 W/m.K, steel 52 W/m.K

Thermal exp. coefficient: Aluminium 23.2 10⁻⁶ K⁻¹, steel 10.4 10⁻⁶ K⁻¹

Section 8 – Chemical Stability and Reactivity Information

Chemical stability : this is a stable material. This product is not reactive.

Hazardous decomposition: none

Hazardous polymerisation: will not occur

Section 9 – Ecological Information

For both aluminium and steel ceilings an EPD is available on request:

EPD-TAI-20130184-ICG1-EN - Metal ceiling systems made of steel

EPD-TAI-20130185-ICG1-EN - Metal ceiling system made of aluminium

Section 10 – Disposal Considerations

Waste Disposal

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

End of Life Treatment

Aluminium and steel are valuable resources and can be 100% recycled at end of life.

Recycling of aluminium and steel prevents use of primary resources and helps to conserve the environment.

Section 11 – Other Information

Prepared for :

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Disclaimer : as of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable laws and regulations. However, no warranty or representation with respect to such information is given. Data is subject to change without giving notice.