

COVERWORLD PVC COSHH STATEMENT

COSHH STATEMENT

Specification:

Hot dipped galvanised steel or Aluzinc, coated with primer, backing coat and a P.V.C. top coat

Composition:

- Metal Plating: Zinc and a small amount of lead (galvanised) or Zinc, Aluminium and Silicone (Aluzinc)
- Primer: Acrylates and Strontium Chromate
- Top Coat: P.V.C. with extremely small amounts of heavy metals, dioctylphthalate (DOP)
- Backing Coat: Epoxide

Hazards

P.V.C. compositions under normal conditions of storage and handling (shearing, bending, pressing) are not toxic or harmful. When handling the product there is a risk of laceration of the skin. While grinding into the primer coat, the dust will contain Strontium Chromate which is harmful by inhalation, therefore appropriate respiratory equipment should be used. When subjected to elevated temperatures, e.g. during welding, flame cutting or in the case of fire, there will be irritating and toxic fumes. The principle mode of entry in the body of these fumes is by inhalation, and this should be prevented. The fumes will contain; Oxides of Iron, Zinc, Aluminium (if Aluzinc substrate), Oxides of Iron and Zinc (if galvanised substrate), Hydrogen Chloride, and Carbon Monoxide. For full list refer to the table below

Precautionary and Protective Measures

In the event of fire, appropriate respiratory protective equipment should be used by fire fighters. Protective clothing and gloves should be worn to prevent laceration of the skin. Consideration should be given to wearing eye protection, e.g. goggles, in certain circumstances.

First Aid;

- Eye contact: Bathe copiously with clean fresh water for at least ten minutes, holding eyelids apart.
- Skin contact: Wash skin thoroughly with soap and water or use a proprietary skin cleaner.

To ensure the Occupational Exposure Limits (OEL's), set out on the table below are not exceeded when fume or dust is generated, provide adequate ventilation. If necessary use local fume extraction or supply appropriate respiratory protective equipment to those exposed to the fumes.

Occupational Exposure Limits	8 hour time waited average	15 minute
Iron Oxide fume	5.0 mg/m ³	10.0 mg/m ³
Zinc Oxide fume	5.0 mg/m ³	10.0 mg/m ³
Aluminium, metal or oxides		
• Total inhalable dust	10.0 mg/m ³	
• Respirable dust	5.0 mg/m ³	
Chromium metal and compounds	0.5 mg/m ³	
Carbon Monoxide	50.0 ppm	300.0 ppm
Antimony and compounds	0.5 mg/m ³	
Tin compounds	0.1 mg/m ³	0.2 mg/m ³
Barium compounds	0.5 mg/m ³	
Hydrogen Chloride		5.0 ppm

Refer to the current edition of the HSE Guidance EH40 (Occupational Exposure Limits) for up to date information. **You are requested to take such steps as are necessary to ensure that the relevant information is made available to all those persons involved with the use of these products.**