

ESD Copper Spray

Product sheet

Product description

Silver plated copper spray for electrostatic dissipating/antistatic floors, gives low electrical resistance in thin film thicknesses.

Uses

For conductive gridlines associated with electrostatic dissipating/antistatic flooring.

Environment & Health

ESD Copper Spray contains solvent, ensure adequate ventilation. Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety data sheet.

Copper Grid

Shake the aerosol for at least two minutes to ensure any settlement is fully dispersed. Hold the aerosol approx. 2 inches (50 mm) above the floor and apply to produce a grid of continuous copper lines as required. The applied copper matrix should be secured to a confirmed earth point(s).

For antistatic or electrostatic dissipating floors, where the floor is not directly in contact or earthing is poor, a network of 6 - 9 mm wide conductive copper should be applied. The spray must be applied directly onto a clean surface, 150mm in from the perimeter of the application. A further grid should be applied within this area at 0.7 - 1 metre centres. Special attention should be paid to areas passing over expansion or bay joints to ensure permanent electrical continuity.

Note: Where low resistance readings are required (below 6 meg Ohms), the grid should be applied with 0.5 metre centres.

On completion, invert the aerosol and spray to clear the valve and nozzle.

It is advisable to clear any excess material from the nozzle at frequent intervals to prevent blockage. If the nozzle blocks, use a pin to clear the opening or remove the nozzle and flush it with Xylene or MEK. Replace the nozzle taking care to point the opening away from you.

Curing (at 20°C)

Dry in approx. 5 minutes, can be overcoated with the desired system after 1 - 2 hours.

Density

1.05

Packaging

The product is available in 400 ml aerosols.

Storage

12 months in unopened pack at a temperature of 5-40°C.
Protect from weather and moisture/contaminant ingress.

Precautions

- The aerosol is a pressurised container, protect from sunlight and do not expose to temperatures exceeding 50°C.
- Keep away from sources of ignition – No smoking.
- Do not pierce or burn, even after use.
- Do not spray on an open flame or any incandescent material.

For further information, please refer to the safety data sheet (SDS).

Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.