



500/7/ESD & E500/5/ESD Floor Tiles

Ecotile 500/7 & E500/5 ESD is a static dissipative flooring system, (also referred to as a conductive) which is also, by the nature of its static dissipative properties, anti-static. Static dissipative means that the resistance to ground is less than 1×10^9 ohm (1 Gohm). These performance figures ensure that the floor complies with British Standard BS EN 61340 and the internationally recognised standard IEC 61340. Ecotile 500/7 & E500/5 ESD flooring has been tested to BS EN 61340-5-1:2007 and the surface resistance of the tiles falls between 3.0×10^4 ohm and 3.4×10^5 ohm. The contact resistance falls between 3.6×10^5 ohm and 9.5×10^5 ohm.

Ecotile 500/7 & E500/5 ESD is offered with a life guarantee that it will retain its anti-static performance and, if grounded in accordance with our instructions and maintained properly, the tiles will create a safe conductive floor surface that can be used as your primary ground.

Composition, Manufacture & Availability

Ecotile 500/7 & E500/5 ESD flooring is manufactured using an injection-moulding process during which thousands of tiny metal fibres are added to the compound. This method ensures that the fibres are evenly distributed right the way through each tile guaranteeing the permanent ESD performance of the tile. Ecotile 500/7 & E500/5 ESD flooring is available in 7mm thick tile in dark grey only.

The tiles can be laid over any hard surface without the need for gluing making it very quick and easy to install, providing an instant hardwearing, attractive ESD floor that can be used immediately. ISO 9001:2000 & ISO14001:2004 accredited

Dimensions. The tiles measure either 500x500mm x 7mm or 5mm.

Installation. Ecotile is quick and simple to install and the tiles do not require a DPM or gluing to the floor. The minimum temperature for installation is 15°C (minimum temperature for both the room and the tiles) and the tiles must stored in the installation area for a minimum of 24 hours before work commences to allow them to acclimatise. Installation should start from as close to the centre of the room as possible, install all full size tiles, allow the floor to settle and then cut tiles to fit up to walls and fixed points, leaving a 5mm gap for expansion. If the tiles are to be laid in an area where they will be sitting in direct sunlight it may be necessary to glue the tiles down to prevent excessive expansion, please consult our sales team for further information. Failure to follow these instructions may invalidate your warranty.

Cleaning & Maintenance. Sweep and occasionally damp mop the floor as required. Application of a hardwearing floor sealer will help maintain the appearance of the floor and extend its lifespan.

Technical Data

- Fire resistance – Bfl-S1
- Resistance to hot objects and solder: good.
- Chemical resistance - The PVC used is resistant to most commonly used acids, chemicals and hydrocarbons.

Electrostatic performance

Personnel Safety / Resistance to ground (protection from electric shock)	$> 7.5 \times 10^5$ Ohm
Protection to 100V device sensitivity (person to ground maximum resistance)	$< 3.5 \times 10^7$ Ohm Tested at 100V
Floor Surface to Ground Resistance / Volume Resistivity * (typical average)	$< 2.3 \times 10^5$ Ohm
Maximum Surface Resistance	6.7×10^9 Ohm
Charging of test subject during running test	1.1 kV
Product Guarantee	10 years
Guarantee for ESD Performance	Lifetime

The maximum test voltage allowed for measuring ESD flooring that should be used for an ESD program complying with this standard is 100 Volts.

www.awp.be
www.awpflooring.be