



## Interlocking ESD Floor Tiles

### Description

These electrostatic dissipative, interlocking ESD floor tiles are ideal for both commercial and industrial use; including, production plants, electronics and telecommunication factories, offices, data centres, healthcare environments, clean rooms and computer server rooms. The tiles are a tough, flexible and modern flooring solution. They create a safe conductive floor surface that can be used as your primary ground and offer a life-time guarantee that will help it retain its ESD performance.

### Features

- Very quick and easy to install - no adhesive required.
- Exceptional durability - Resistant to impact, vibration and abrasion.
- Excellent anti-slip properties.
- Environmentally friendly - 100% recyclable and zero VOC emissions.
- Manufactured using an injection-moulding process during which thousands of tiny stainless steel fibres are added to the compound.
- Good chemical resistance - Resists most chemicals and fluids.
- Reduces fatigue.
- Manufactured in the UK with ISO 9001 Accreditation.
- BS EN 61340-5-1 and IEC 61340 compliant.



ESD Logo Tile



Light Grey & Dark Grey

*All our ESD Floor installations can be quoted as a package tailor made to your ESD needs.*

#### Excellent to use in:

- Offices
- Cleanrooms
- Server Rooms
- Electronic Factories
- Healthcare Environments
- Data Centers

### Installation

The principal benefit of this system is the speed and ease of installation. The tiles can be laid over any hard surface even if it is damp, uneven or contaminated. Installation can usually be fitted around your normal working activities ensuring minimal disruption to production.





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### Performance & Test Results

'Interlocking ESD Floor Tile' has been independently tested.

- Surface Resistivity:  $2.2 \times 10^4\Omega$  to  $3 \times 10^6\Omega$
- Resistance to ground:  $2.9 \times 10^4\Omega$  to  $5.7 \times 10^5\Omega$
- Walking Test: <100V
- Static Decay at 15% humidity: 0.01sec

The test results guarantee that the interlocking ESD floor tiles complies with British Standard BS EN 61340-5:2001 and IEC 61340.

### Maintaining & Finishing

- 1) Leave a minimum of a 5mm gap between the tiles and any fixed point (walls and machinery).
- 2) Undercut wood doorjambs and slip the tiles underneath.
- 3) With metal doorjambs – cut the flooring material to within 5mm & then caulk around the jamb.
- 4) To keep your floor looking good give it a sweep on a regular basis and use a rotary scrubber dryer for routine maintenance.

### Recommended Cleaning Method

Failure to maintain interlocking ESD floor tiles in accordance with recommended procedure can affect the performance of the product. We recommend cleaning the tiles with our Killstat ESD Floor Cleaner.

- 1) Clean the tiles regularly and lightly.
- 2) Use the correct cleaning equipment, either a two component bucket and mop system or rotary scrubber dryer.
- 3) Do not use excessive amounts of water, this will make your job more difficult; damp mopping is the best solution.
- 4) To remove as much dirt and moisture as possible, use an entrance mat.
- 5) Heavily trafficked or highly visible areas need to be cleaned more often than areas which are seldom used, or where appearance is less important.
- 6) Using excellent quality cleaning chemicals and equipment will ensure efficient maintenance.

Specifications	5mm	10mm
Dimensions	500mm x 500mm	500mm x 500mm
Thickness	4.5mm +/- 0.3mm	6.8mm +/- 0.3mm
Weight	5.44 kgs/m <sup>2</sup> .	8.86 kgs/m <sup>2</sup>
Guarantee	10 Years	10 Years
Anticipated Service Life	25 Years +	25 Years +
Material	PVC	PVC
Joint	Dovetail	Dovetail



## Interlocking ESD Floor Tiles

		<b>Smooth</b>
<b>Slip Resistance</b>	EN 14041:2004 DIN 51130:2004	Pass R10
<b>Fire Performance</b>	BS 476: Part 7 DIN 13501: 2004	Class 1 Spread of Flame Bfl-S1 Does not support combustion
<b>Stain Resistance</b>	EN 423	Good
<b>Abrasion Wear Resistance</b>	EN 13845 EN 649	50K Cycles Group T
<b>Mechanical Resistance</b>	DIN 53516	17N/mm <sup>2</sup>
<b>Resistance to Hot Objects/Solder</b>	N/A	Good
<b>Thickness of Wear Layer</b>	EN 429	6 to 10mm
<b>Hardness</b>	ISO 868	89-92 Shore A
<b>Impact Resistance</b>	EN 13329-549	549kg/cm <sup>2</sup>
<b>Noise Reduction</b>	EN 140-8	>46db
<b>Thermal Insulation</b>	N/A	1.1 m <sup>2</sup> K/W
<b>Colour Fastness</b>	EN 50105-BO21	5
<b>Determination of Length, Squareness &amp; Straightness</b>	BS EN 428:1993	<0.13% / 0.5mm max.
<b>Chemical Resistance</b>	EN 13529	Good resistance to most commonly used chemicals. Common acid oils & gas oil - No deterioration / Not Resistant to prolonged contact

The maximum test voltage allowed for measuring ESD flooring that should be used for an ESD program complying with these standards is 100 volts.



*Important Notice: The information contained within this spec sheet is for guidance only. We make no warranties expressed or implied and assume no liability regarding any use of this information. Interlocking ESD Floor Tiles, October 5th 2020.*