

## PRODUCT

# Interlocking ESD Floor Tiles - Dovetail Joint

## TECHNICAL DATASHEET

ESD Interlocking Floor Tiles are a tough, flexible & modern flooring solution. Can be used as your primary ground & are guaranteed to give ESD performance for the life of the tile.

These electrostatic dissipative, interlocking floor tiles are ideal for use in electronics & telecommunications factories, computer server rooms, production plants; such as pharmaceutical, paint, petrochemical & certain food production facilities with risk of dust explosion (sugar, floor dust etc).

## FEATURES

- Simple Installation
- Smart Modern Appearance
- Chemically Resistant
- Fire Retardant
- Environmentally Friendly



## PROPERTIES

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

To request a quotation or for more information, please call **+44 (0)1473 836200**  
email [info@antistat.co.uk](mailto:info@antistat.co.uk) or visit [www.antistat.co.uk](http://www.antistat.co.uk)

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## TECHNICAL SPECIFICATIONS

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

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## PERFORMANCE & TEST RESULTS

The Dovetail joint 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 ESD floor tile complies with British Standard BS EN 61340-5:2001 and IEC 61340.

## ADDITIONAL PRODUCTS

Our ESD Grounding Kit is required for fitting floor tiles. The kit includes:

1. Earth Bonding Plug
2. Conductive Grounding Tape
3. Earth Cord with 1M $\Omega$  Resistor
4. ESD Tile with Grounding Stud

*(1 kit required per 50m<sup>2</sup> of ESD flooring)*

We also supply Corner and Ramp tiles which allow for easy fitting and accessibility for users.



## PRODUCT CODE

PRODUCT CODE	DESCRIPTION	JOINT	COLOUR	QUANTITY	SIZE (mm)
084-0001	Interlocking ESD Floor Tile	Dovetail	Grey	4**	500 x 500 x 6.8*
084-0003	Interlocking ESD Floor Pictotile	Dovetail	Yellow	1	500 x 500 x 6.8*
084-0002	ESD Grounding Kit (UK)	Dovetail	Grey (Tile)	-	-
084-0004	Ramp Sections (edging)	Dovetail	Yellow	1	500 x 90 x 6.8*
084-0005	Ramp Sections (corner edging)	Dovetail	Yellow	1	590 x 90 x 6.8*
084-0006	ESD Grounding Kit (EU)	Dovetail	Grey (Tile)	-	-

\*+/- 0.3mm Tolerance

\*\*Sold per sqm (4 tiles per sqm)

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