



ecotile
SOLVING YOUR
FLOORING PROBLEMS

world's # 1 modular floor

ecotile Interlocking floor tiles

Tough, modular and smart. A quick, simple and sustainable flooring solution

Description

ecotile interlocking floor tiles are a tough, flexible and modern flooring solution. **ecotile** is available in two surface textures and a variety of colours. The tiles are manufactured with precision engineered open joints for maximum security.

ecotile can usually be installed without the requirement for a damp proof membrane, screed or adhesive, significantly reducing installation time and cost.

Composition & Manufacture

ecotile is injection moulded using compound that has excellent wear characteristics, chemical resistance, long term stability and stable electrical properties.

An Environmentally Sustainable Solution

ecotile is produced from the highest quality raw material. Once the tiles have reached the end of their useful life we will collect the tiles, free of charge, and recycle them to produce the next generation of **ecotile**.

Key Benefits

- Short lead times and fast delivery
- Extremely hard wearing
- Quick & simple to install, no downtime
- Manufactured by us in the UK & INDIA
- Ideal for fork trucks and heavy loads
- Protects the existing floor from damage
- Ideal for leased or temporary spaces
- Easily amend design or layout
- Over 30 years in business
- Long term warranty

Applications

ecotile has been used in factories, schools and offices across the world for over 30 years. Designed to cope with heavy vehicle and fork lift truck traffic, **ecotile** offers good thermal and acoustic insulation and excellent resistance to impact and vibration.

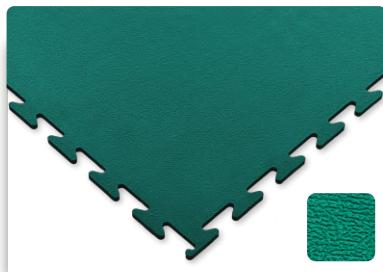
- **Manufacturing Facilities**
- **Warehousing**
- **Electronics Production (ESD)**
- **Gyms & Sports Facilities**
- **Schools & Colleges**
- **Mezzanines**
- **Commercial & Retail**
- **Military & Defence**



ecotile Standard color range & surface textures

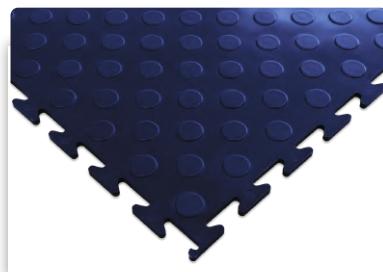
Standard flooring

7mm Heavy Duty in Standard sizes



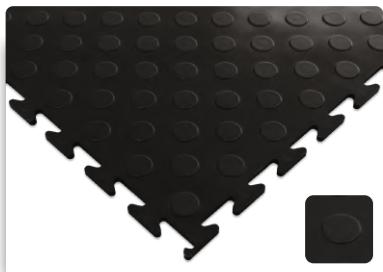
ecotile Smooth
Heavy Duty

Green	Blue
Red	Yellow
Sky Blue	Orange
Dark Grey	Light Grey



ecotile Raised Disk
Heavy Duty

Dark Grey	Blue
Black	Light Grey



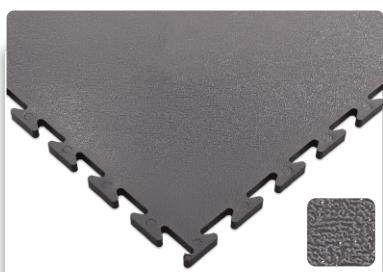
ecotile Anti-fatigue
Special features

- Use in patches
- Increase productivity
- Easily fits within the regular floor

Black

Special purpose flooring

10mm Ultra Heavy Duty



ecotile Ultra
Smooth

Dark Grey

ESD Floor tiles in 5mm & 7mm



ecotile ESD

BS EN61340-5-1 :2016
Compliant

Dark Grey Light Grey

SPECIAL ORDERS

If you require a special colour please contact us.
We can manufacture in almost any RAL colour
subject to the following terms and conditions:

- Minimum 15% cost surcharge subject to colour.
- Minimum 6 to 8 week lead time from date of order.
- Minimum order quantity 250m². Else a setup and colour proof of \$415 per special colour
- We are unable to accept returns, cancellation or amendment once the order has been placed

Choose Your Thickness



Human
Traffic



Wheeled
Utility
Trolley



Pallet
truck



Forklift



Truck

7mm 350kg 750kg 3000-5000kg

10mm 500kg 1100kg 8000-10000kg



The go-to for everything

Available in a dovetail interlocking joint design, our 7mm tiles are the go-to solution for most applications, including factories, warehouses and commercial garages. Available in a smooth or raised disk texture.

E500/7 floor tiles can be laid directly over worn substrates (without adhesives) whilst production continues.

They're engineered to be highly durable and hardwearing, so you can comfortably operate fork trucks, pallet trucks and vehicles over the floor if you need to transport heavy materials or components.



Available in 8 Smart Colours

Mix colours to create safety walkways and colour-coded work zones around production lines, machinery, workstations and more.

Incorporate logos, safety symbols and wording into your **ecotile** floor to create a permanent and highly visual sign.

Key Benefits

- Extremely hard wearing
- Quick and simple to install
- R10 anti-slip rating
- Bfl-S1 fire rating
- Resistant to chemicals including oil and fuel
- 10 year product warranty



A Wide Range of Uses

ecotile has been used in industrial and commercial premises across the world for over 30 years. Offering thermal and acoustic insulation and excellent resistance to impact and vibration, the E500/7 is our best-selling product perfect for...



- **Factories & Warehouses**
- **Shops & Offices**
- **Garages & Workshops**
- **Sports & Leisure Facilities**
- **Railway Stations & Airports**
- **Schools & Colleges**
- **Exhibitions & Point of Sale**
- **Prisons, Police & Fire Stations**



The patented ESD / interlocking floor tile

ecotile 500 ESD can be used as your primary ground and is guaranteed to give ESD performance for the life of the tile. The electrostatic dissipative (ESD/ EPA) interlocking floor tiles are ideal for use in electronics and telecommunications factories, computer server rooms, production plants such as pharmaceutical, paint, petrochemical and certain food production facilities with risk of dust explosion (sugar, flour dust etc.)

Composition & Manufacture: **ecotile** 500 available in 7 mm ESD is manufactured from tough PVC compound incorporating millions of tiny stainless steel metal fibres. **ecotile** has excellent wear characteristics, and good chemical resistance. **IMPORTANT NOTE:** Please be aware that the stainless steel fibres may be visible on the surface of the tile. This is unavoidable and a fundamental part of the manufacturing process that ensures optimum ESD performance.

Performance & Test Results: **ecotile** 500/ESD has been independently tested:



EN/ISO 61340-5, EN 1081,
EN1815 & EN6356 ESD
Flooring - Resistance to Ground



EN/ISO 61340-5, EN 1081,
EN1815 & EN6356
ESD Flooring - Surface Resistance

- Surface resistivity: $2.2 \times 10^4 \Omega$ to $3 \times 10^6 \Omega$
- Resistance to ground: $2.9 \times 10^4 \Omega$ and $5.7 \times 10^5 \Omega$
- Electrostatic Propensity: < 10 Volts / < 2.0 kV
- Static Decay at 15% humidity; 0.01sec

The test results guarantee that **ecotile** 500/ESD complies with British Standard BS EN 61340-5-1:2016 and IC 61340.



Where and why to use **ecotile** 500/10

ecotile 500/10 has been used to repair and protect busy warehouse and factory floors where access time is limited. The 10mm tile is recommended for use in areas where heavier fork trucks, aisle stackers or narrow aisle trucks are used or where HGV's will be executing tight maneuvers or rotating wheels whilst stationary.

ecotile 500/10 has also proven extremely successful in aircraft hangars and fire station pump room floors. The ultra heavy duty interlocking floor tiles are exceptionally tough, resistant to impact, heavy loads and high traffic movements. **ecotile** 500/10 is the highest specification tile we produce and as with the entire range has been designed to be loose laid and is therefore quick and simple to install.

Composition & Manufacture: **ecotile** 500/10 is injection moulded using compound that has excellent wear characteristics, chemical resistance, and stable electrical properties.

Key Benefits

- Extremely Tough & Hard Wearing.
- Excellent Resistance To Impact & Vibration
- Protects The Existing Floor From Damage.
- No Floor Preparation Or Adhesive Required
- Low Life Cycle Cost & Easy To Maintain
- Good Anti-slip Properties
- Suitable For Floors that Are Subject To Exceptionally Heavy Wear.
- Quick And Simple To Install, No Downtime.
- Ideal For Old, Uneven, Damp, Oily Or Contaminated Substrates.
- Insulates Against Cold, Damp & Noise

Applications

ecotile 500/10 can be used almost anywhere and is the tile to specify if you have any concerns about the loads that will be travelling across the floor or the levels of abuse and/or impact that the floor will be subject to.

• Engineering Plants	• Passenger Terminals
• Warehouses	• Food Factories
• Commercial Garages	• Shopping Centres
• Free Weight Areas	• Fire Stations
• Power Stations	• Distribution Centres
• Aircraft Hangars	• Maintenance Depots.



Add impact to your **ecotile** floor by incorporating permanent floor markings. We are able to incorporate almost any logo or image into your **ecotile** floor to create a permanent and highly visual sign or message.

The logo tiles are manufactured by CNC water laser jet cutting which ensures a clean and precise cut. The only restriction on design is the colour range of **ecotile** which is limited to black, light grey, dark grey, graphite, red, green, yellow, dark blue and white. (plus occasionally a few special colours, subject to availability).

Hazard Warning / Floor Safety Signs: Statutory Health and Safety Regulations require every company to display the appropriate health and safety signs throughout their premises.

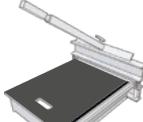
ecotile accessories

Code	Description
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ecotile Ramps, Corners & Line Markers

ER7	ecotile 500/7 clip on ramp section available in all colours. Dimensions: 500mm x 125mm x 7mm>1mm	
EC7	ecotile 500/7 clip on corner ramp section available in all colours. Dimensions: 125mm x 125mm x 7mm>1mm	
EL7	ecotile 500/7 interlocking line marking tile available in all colours. Dimensions: 500mm x 100mm x 7mm>1mm	

ecotile ESD Grounding kit & Tools

16.234	ESD Grounding kit (Consists grounding tape, studded tile, plug & earthing cord with 1 meg ohm resistor) - 1 kit required per 50 to 80m ² of esd flooring depending on layout.					
Tools Required For Installation						Rubber Mallet Metal Ruler (1m) Concave Blade (Utility Knife) Jigsaw/Bandsaw Medium Blade Guillotine

We are able to manufacture the full range of warning signs (black & yellow), prohibitory signs (red & white) and mandatory signs (blue and white).

Company logo tiles: Place your sales message or logo where it will really get noticed and enhance your company's image and profile.

Badges & Insignia: Almost any design can be incorporated into your ecotile floor.



ecotile cleaners, specialist sealers & polishes

45.900	Anti colour stain prevention sealer - use to prevent plasticiser migration from rubber tyres, colour dyes etc...
45.850	Anti-slip sealer *
45.857	Heavy duty polyurethane floor cleaner *
46.000	<p>Ecotile Recommends Karcher Cleaning products</p> <ol style="list-style-type: none"> 1. Scrubber Drier 2. RM69 Liquid cleaner

All products marked *require application by qualified installers, please contact us for further details.

Applications

- In -Shop Displays / POS
- Showrooms
- Exhibition Stands
- Demonstration Areas
- Mandatory Warnings
- Identifying Safety Hazards
- Guidance for Fire Exits
- Traffic Demarcation / Pedestrian Crossings

Product Data		
Dimensions	Thickness- Smooth	Thickness - Raised Disk
All Tiles - 500 x 500 mm	E500/7 - 6.8mm E500/10 - 9.53mm E500/7/ESD - 6.8mm	E500/7 - 7.6mm
Weight/m ²	Packaging	
E500/7 (inc. ESD) Smooth 9kgs/m ² Raised Disk 9.2kgs/m ² ER7 Ramps 0.9kg/m EC7 Corners 0.09kg each EL7 Line marking tiles 0.85kg/m E500/10 Smooth 11.24kgs/m ²	Box	10 tiles per box (2.4m ² per box)
	Pallet Box	400 tiles per pallet (100m ² per pallet)
	XL Pallet Box	600 tiles per pallet (150m ² per pallet)



EN 649 - Homogenous
Flooring EN 18845
ASTM F1303



ENHANCED SLIP: Sustainable wet slip resistance EN 14041: 2004 - Pass / DIN51130:2004 - R10 - Suitable for use in areas where there is an increased risk of slipping due to grease, oil, water etc. Mean surface roughness Rz um. The slip resistance across all ecotile products is assured throughout the guaranteed life of the product, with strict adherence to HSE Guidelines.



REACTION TO FIRE: EN 13501-1 Class Bf-S1
EN ISO 9239-1 ≥8kw/m²
EN ISO 11925-2 Pass / ASTM E648 Class 1



EN 423
GOOD



Impact Resistance
EN13329 -
549 549 kg/cm²



* EN/ISO 61340/5, EN 1081, EN1815 & EN6356
Resistance to Ground



EN 13845 50K cycles EN 649 Group T



Noise Reduction
EN 140-8 >46db



* EN/ISO 61340/5, EN 1081, EN1815 & EN6356 -
Surface Resistance



Thickness of wear layer EN 4286 to 10mm

Notes: * relates to E500/ESD

ecotile Technical and Environmental Fact Sheet

- Standards and Accreditation** - Meets & exceeds requirements of BS EN 685:1996 (Resilient and Homogeneous and heterogeneous PVC floor coverings), BBA 96/3229/3 laminate floor coverings) and BS EN 649:1997 (Resilient Floor coverings).
- Life Cycle Cost** - ecotile is a loose laid system so in the event of damage or excessive wear individual tiles can be lifted and replaced significantly extending the life of the floor and reducing the life cycle cost.
- Sustainability** - ecotile is fully recyclable; granulated for new floor. Unlike others, it's reusable due to no adhesion. Not only can ecotile be recycled but there is a strong market for pre-owned tiles.
- Anticipated Service Life** - 25 years +
- Low VOC content** - trace volatiles from modifiers. Much lower than resin or adhesive-based floors. ecotile contains no formaldehyde and carries a class E1 rating.
- Sound Absorption** - Noise reduction of up to 46db can be achieved.
- Hardness** - Standard ISO 868 - ecotile 5mm, 6mm, 7mm and 10mm - 89-92 Shore A
- Slip Resistance / Anti-Slip Qualities:**

EN 14041:2004 - Pass - Average Reading in excess of 0.6 dynamic coefficient of friction.

DIN 51130:2004 - R10 Rating - Suitable for use in areas where there is an increased risk of slipping due to grease, oil water etc.

EN 13893:2002 - Dynamic Coefficient of Friction = 0.75 avg.

Surface	EN14041:2004 - Dynamic coefficient of friction	DIN 51130 - Determination of slip resistance.
Raised Disk	≥0.56	R10
Smooth	≥0.67	R10

All tests undertaken by Buildina Technoloav Grouo. BRE Garston. Test certificates available

- Fire Performance** -does not support combustion and achieves Class 1 spread of flame when tested to BS 476: Part 7 / DIN 13501: 2004 - Bfl-S1
- Abrasion Wear** - Group T (<0.1mm /100 revs) (EN 660-2 / EN13845).
- Mechanical Resistance** - 17 N/mm² to DIN 53516.
- Determination of Length**, Squareness & Straightness - BS EN 428:1993 - <0.13% / 0.5mm max.
- Thickness** - BS EN 428 - 4.5 to 9.24mm +/- 0.15mm.
- Determination of Residual Indentation BS EN 433:1994** - <0.1mm / Dimensional Stability - BS EN 434:1994 - Maximum change in dimension <0.1% / Compressive Strength - ISO 6721-1:1994, ISO 6721-2:1994, ISO 6721-6:1996:520kg/cm²
- Dimensional Stability - BS EN 434:1994** - Maximum change in dimension <0.1%.
- Compressive Strength** - ISO 6721-1:1994, ISO 6721-2:1994, ISO 6721-6:1996: 520kg/cm².
- Chemical Resistance** - ecotile resists common chemicals in the short to medium term; clean spills promptly, lift if chemicals seep under. EN 13529: Good vs. acids, oils, gas oil; not for prolonged solvents.
- Colour Fastness / Resistance to natural light:** EN 20105-B021 - 5 (no damage).
- Cleaning** - Day-to-day cleaning - Use a rotary scrubber dryer or damp mopping.
- Electrical Properties** - ecotile Standard: Surface resistivity: 10^{11} Ω and 10^{14} Ω. ecotile ESD: Surface resistivity: 3×10^8 Ω and 2.2×10^4 Ω. Resistance to ground: 5.7×10^5 Ω and 2.9×10^4 Ω.
- Mechanical Resistance** - Tests were carried out in accordance with the requirements of Annex A.1 of BS IEC 61340-5-1:2001. ecotile ESD fulfils the recommendations detailed in BS EN 61340 5-1:2016 for floors to be used for primary grounding.
- Resistance to Hot Objects/Solder** - Good.
- RAL Colours** - Due to the manufacturing process we cannot guarantee a precise match to a RAL colour and the following list is provided as a guide only: Black - RAL9017, Light Grey - RAL7004, Dark Grey - 7015, Dark Blue - RAL5013, Green - RAL6026, Red - RAL3020 - RAL3009, Yellow - RAL1023.
- Usage Classification** - Code of Practice BS 8203:2001 / EN 685 - Class 43.

Accreditations



The CE marking certifies that a product has met EU consumer safety, health or environmental requirements. ecotile carries the CE marking and is manufactured to and corresponds with the criteria detailed for PVC flooring as detailed in EN 14041.

ecotile CLIENTS INCLUDE

MANUFACTURING INDUSTRY



FOOD INDUSTRY



AUTOMOTIVE INDUSTRIES



DEFENCE



Defence and
Aerospace
INDIA



INDIA



US



UK

Saudi Arabian
Army



Saudi Royal
Guard



Qatar Armed
Forces

ecotile CLIENTS INCLUDE

WAREHOUSING



AEROSPACE



HELICOPTER ENGINES MRO PVT LTD.
A Safran and HAL Joint Venture Company



Rolls-Royce



SPORTS AND GYM



SCHOOLS AND COLLEGES



HOSPITALS



ENGLAND



MAHARASHTRA

OTHERS



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ALL RIGHTS RESERVED FOR THEIR RESPECTIVE COPYRIGHT OWNERS.



A Rockpecker Alliance

Less Maintenance, More Reliable.
Smart, Safe, Clean & Dust Free

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