ecotile

SOLVING YOUR
FLOORING PROBLEMS

world's #1 modular floor

A **Rockpecker** Alliance

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

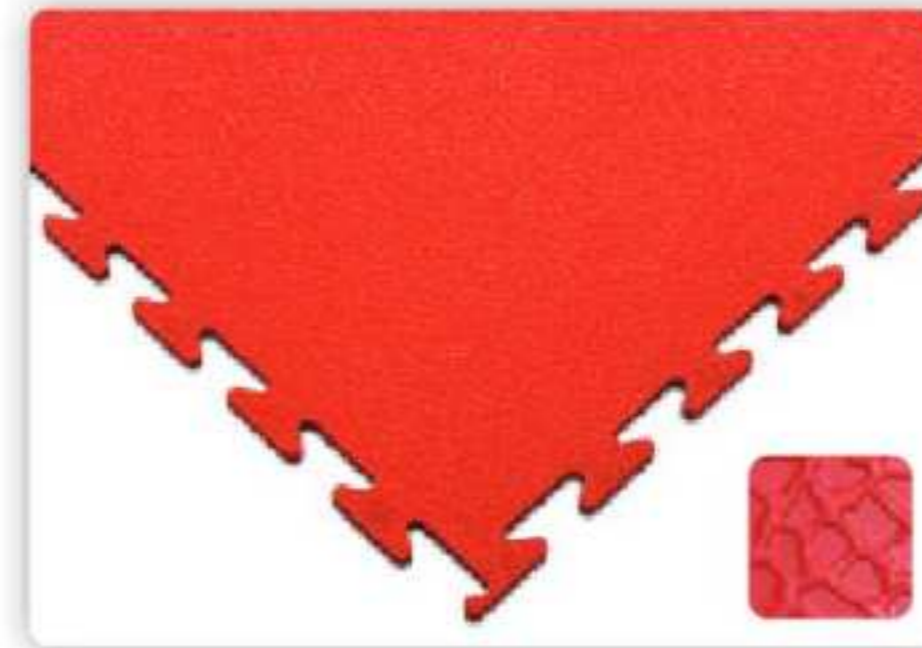## 7mm Heavy Duty in Standard sizes

ecotile Smooth
Heavy Duty

Green	Blue
Orange	Light Grey
Red	Yellow
Dark grey	Black

ecotile Gloss tile
Super smooth texture

multiple colours
made to order

ecotile Raised Disk
Heavy Duty

Dark grey	Light Grey
Black	Blue

ecotile Mosaic Texture
Super Anti Skid
- Heavy Duty
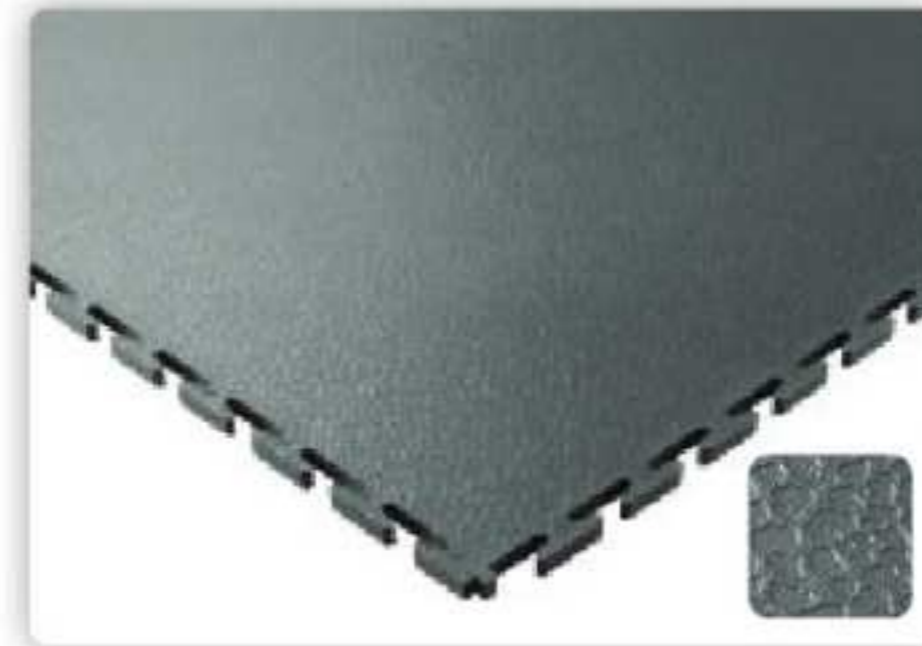
multiple colours
made to order

ESD Floor tiles in Standard sizes

ecotile ESD
BS EN 61340-5-1 :2016
Compliant

Dark grey

10mm Ultra Heavy Duty
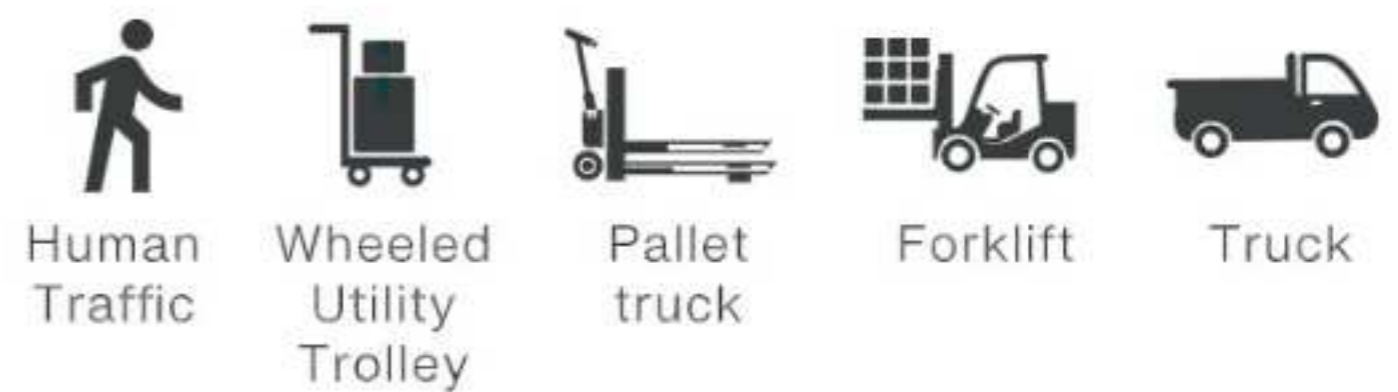
ecotile Ultra
Smooth

Dark 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

- Set up / colour proof charge of $415 per
  special colour

- We are able 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	1000kg	3000-5000kg	✓
10mm	✓	500kg	1800kg	8000-10000kg	✓

ecotile 500/7
Our best-selling floor tile

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**

ecotile 500/7/ESD
Anti-static/Dissipative Floor Tiles

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 7mm 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: $2.9 \times 10^4\ \Omega$ to $5.7 \times 10^5\ \Omega$

- 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 IEC 61340.

ecotile 500/10

Ultra Heavy Duty Floor Tiles

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
- Warehouses
- Commercial Garages
- Free Weight Areas
- Power Stations
- Aircraft Hangars

- Passenger Terminals
- Food Factories
- Shopping Centres
- Fire Stations
- Distribution Centres
- 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.

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 accessories

Code	Description

ecotile Ramps, Corners & Line Markers

Code	Description	
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 80m2 of esd flooring depending on layout.	
Tools Required For Installation	Rubber Mallet Metal Ruler (1m) Concave Blade (Utility Knife) Jigsaw/Bandsaw Medium Blade Guillotine	

ecotile cleaners, specialist sealers & polishes

45.900	Anti colour stain prevention sealer - use to prevent plasticiser migration from rubber tyres, colour dyes rtc..
45.850	Anti-slip sealer *
45.857	Heavy duty polyurethane floor cleaner *
46.000	Ecotile Recommends Karcher Cleaning products 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
- Demonstration Areas
- Guidance for Fire Exits
- Showrooms
- Mandatory Warnings
- Traffic Demarcation / Pedestrian Crossings
- Exhibition Stands
- identifying Saftey Hazards

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/m²		**Packaging**	
E500/7 (inc. ESD) Smooth 9kgs/m² Raised Disk 9.2kgs/m² ER7 Ramps 0.9kg/m EC7 Corners 0.09kg each EL7 Line marking tiles 0.85kg/m E500/10 Smooth 11.24kgs/m²		**Box**	10 tiles per box (2.5m² per box)
		Pallet Box	400 tiles per pallet (100m² per pallet)
		XL Pallet Box	600 tiles per pallet (150m² per pallet)

ϵ CE

EN 649 - Homogenous Flooring EN 13845 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 ≥37µm 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 Bfl-S1 EN ISO 9239-1 ≥8kw/m² EN ISO 11925-2 Pass / ASTM E648 Class 1

EN 423 GOOD

Impact Resistance EN13329 - 549 549kg/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 428 6 to 10mm

Notes: * relates to E500/ESD

- **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. R10
Raised Disk	≥0.56	R10
Smooth	≥0.67	

All tests undertaken by Building Technology Group, 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/cm^2

- **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/cm^2.

- **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} and $10^{14} \Omega$ / ecotile ESD: surface resistivity: $3 \times 10^6 \Omega$ and $2.2 \times 10^4 \Omega$ / Resistance to ground : $5.7 \times 10^5 \Omega$ and $2.9 \times 10^4 \Omega$.

- **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

FF 26Q2015 ISO 14001:2015 Environmental Management System
FF 26Q2015 ISO 9001:2015 Quality Management System

ESD Earth Bonding Point

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 INDUSTRIES

LUMINOUS

UNO MINDA

CATERPILLAR

CITIZEN

SONA COMSTAR

MILESTONE

ROCKPECKER

Tecumseh

Giesecke+Devrient

Brakes India Private Limited

RACL
RACL Geartech Limited

MITSUBISHI

Eleven Engineering

Vibracoustic

FOOD INDUSTRY

Coca-Cola

Kellogg's

MORDE

Heinz

McCain

IFFCO
INVESTING IN THE FUTURE

JIVO

AUTOMOTIVE INDUSTRIES

Mercedes-Benz

Volkswagen

BMW

TOYOTA

CNH INDUSTRIAL

JLR

HYUNDAI WIA

motherson

DEFENCE

MARINES
US

DRDO
INDIA

Ministry of Defence
UK

Saudi Arabian Army

Saudi Royal Guard

Qatar Armed Forces
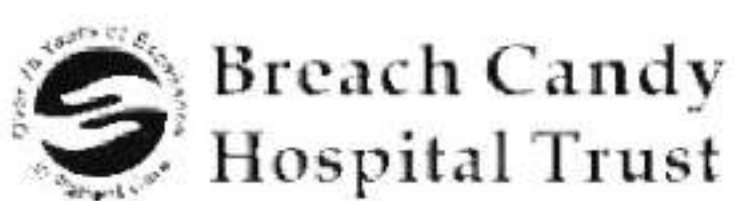
ecotile CLIENTS INCLUDE

WAREHOUSING

Royal Mail

amazon

TK·maxx

PHILIPS

PORSCHE

BOSCH

AEROSPACE

BOEING

AIRBUS

COBHAM

TATA ADVANCED SYSTEMS

Rolls-Royce

SPORTS AND GYM

FUNCTIONAL FITNESS SUPPLY

JOHNSON FITNESS & WELLNESS

Nike

adidas

warehouse gym

SCHOOLS AND COLLEGES

bournemouth & poole the college

UNIVERSITY OF BIRMINGHAM

University of Southampton

Bayside Christian College
"Unity and Maturity in Christ"

HOSPITALS

Breach Candy Hospital Trust

MUMBAI

NHS 75

ENGLAND

HEALING SUPER-SPECIALITY HOSPITAL

CHANDIGARH

श्रीराम हॉस्पीटल

MAHARASHTRA

OTHERS

AMG PETRONAS FORMULA ONE TEAM

PIRELLI

EXPO 2020 DUBAI UAE

Red Bull Holden RACING TEAM

ISKCON