

Industrial and Commercial Flooring Solutions



ecotile Interlocking floor tiles

Tough enough for industry, smart enough for retail. A quick, simple and sustainable flooring solution.

What is Ecotile?

Ecotile is a UK-made industrial flooring solution that can be fitted without causing disruption to your business; a cost-effective and low-maintenance interlocking floor tile that can solve several flooring problems and business challenges.

For Businesses Who Can't Afford to Stop

Ecotile can be fitted in sections, allowing you to continue operation during installation. They're ready to use straight away, without the curing or drying times associated with resin, screed or paint. You can install them directly over your existing floor without adhesive or damp-proof membranes. Use our professional installation team, or install yourself.

An Environmentally Sustainable Solution

Ecotile is 100% recyclable and produced from the highest quality raw materials. Once our tiles reach the end of their useful 20+ year lifespan, we'll collect or buy them back and use them to make our range of recycled tiles.

Where Can You Use Ecotile?

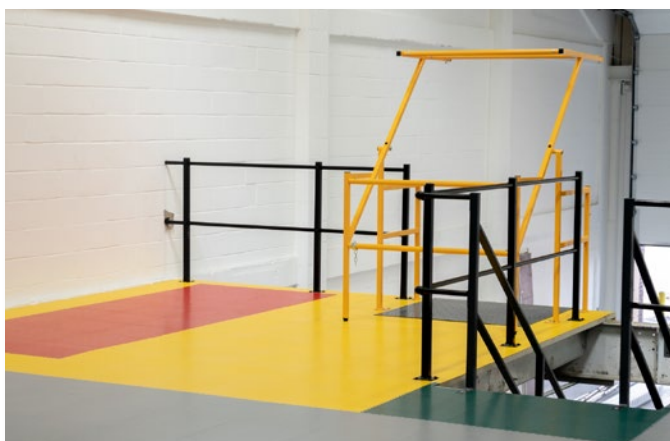
Engineered for heavy-duty environments, yet smart enough for commercial and retail spaces. Ecotile easily withstands repetitive use by forklifts, aisle pickers, pallet trucks, pump trucks and heavy foot traffic.

- Manufacturing Facilities
- Electronics Production (ESD)
- Warehousing & Storage
- Commercial Garages
- Schools & Colleges
- Mezzanines
- Commercial & Retail
- Military & Defence



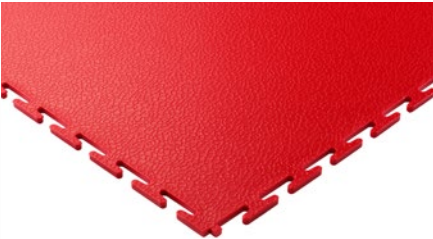
Why Ecotile?

- Short lead times and fast delivery
- Extremely hard wearing
- Quick & simple to install, no downtime
- Manufactured by us in the UK
- 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 25 years in business
- Buy direct from the manufacturer



ecotile Product Range

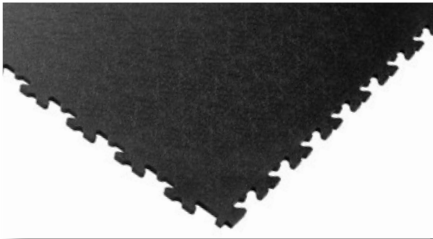
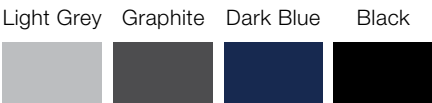
Original Interlocking Floor Tiles



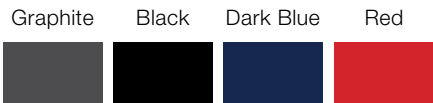
ecotile 7mm Thick in Smooth



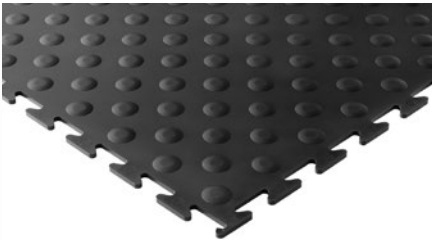
ecotile 7mm Thick in Raised Disk



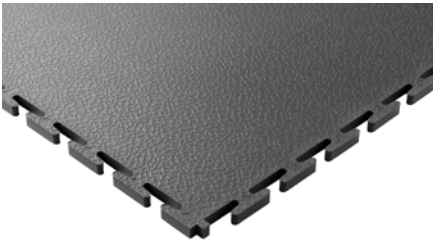
ecotile 7mm Thick in X-Joint



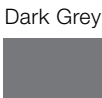
ecotile ESD 7mm Thick
BS EN 61340-5-1 :2016 Compliant



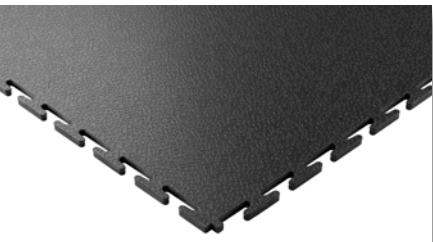
ecotile 5mm Thick Utility Tile



ecotile 10mm Thick Smooth



ecotile 7mm Thick Recycled Floor Tiles



Available in raised disk and smooth texture

Black



Special Colours

If you require colour-matched or special colour tiles, please contact us. We can manufacture Ecotile in almost any RAL colour. Please note, custom-coloured tiles are subject to minimum order quantities, surcharges, set up costs, and longer lead times. We are unable to accept returns, cancellations or make amendments once the order has been placed.

ecotile 500/7

Our best-selling floor tile

The Original Loose-lay Interlocking Ecotile

Available in two interlocking joint designs, 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 Standard 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.

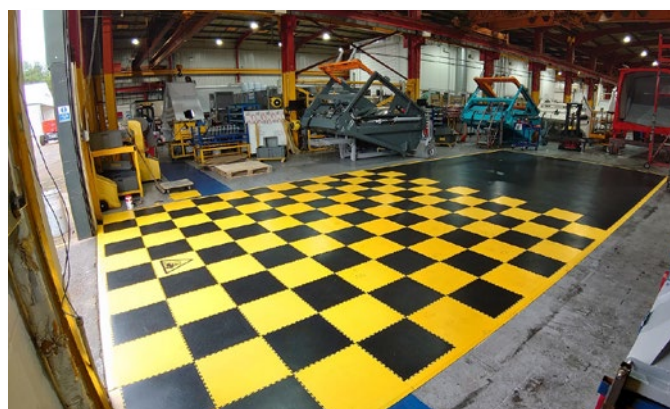
Key Benefits

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

A Wide Range of Uses

Offering thermal and acoustic insulation and excellent resistance to impact and vibration, the E500/7 is our best-selling product perfect for...

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



ecotile U500 5mm Utility Tile

For lighter applications

Introducing the multi-purpose Utility Tile by Ecotile. Hard-wearing and easy to keep clean, our new Utility Tiles are a hassle-free way to smarten up or increase functionality in a multitude of areas within your premises.

Durable and quick to install, Utility Tiles have a studded surface, R10 slip rating, fire retardant rating Bfl-S1 and are available in Black, Graphite or Blue.

Made from virgin PVC in our ISO9001 accredited Bedfordshire factory, each Utility Tile is 5mm thick and 100% recyclable. Utility Tiles have a 5-year warranty and an estimated 10-year service life.

Key Benefits

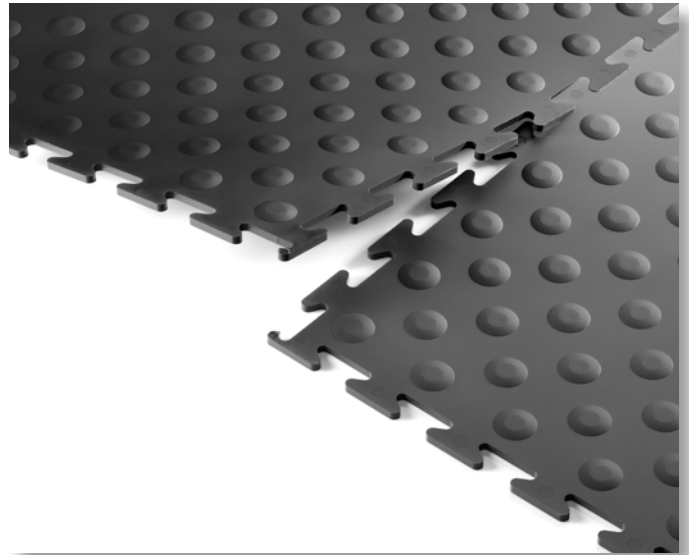
- Low Life Cycle Cost And Simple To Maintain
- Smart & Modern Appearance
- Quick And Simple To Install, No Downtime
- Protects The Existing Floor From Damage
- Quick And Easy To Amend Design or Layout

One Tile. Hundreds of Uses

Ecotile U500/5 is designed for light industrial and commercial use. You can use Utility Tiles in hundreds of environments to help solve common flooring problems. Perfect for protecting concrete subfloors or covering worn and damp floors, Utility Tiles will enhance any workspace and create a safer, more professional environment.

Perfect for...

- *Offices*
- *Retail and POS*
- *Assembly lines*
- *Heavy foot traffic areas*
- *Storerooms*
- *Receptions*
- *Corridors*
- *Canteen / rest rooms*
- *Workshops and home garages*
- *Light manufacturing*



ecotile 500/ESD

Anti-static / Dissipative Floor Tiles



Ecotile manufacture high performance static-dissipative floor tiles that protect microelectronics, static-sensitive devices and explosives from damage caused by static discharge.

Our 7mm thick ESD interlocking floor tiles can be installed quickly and used in electronics manufacturing facilities, circuit assembly/handling areas, cleanrooms, laboratories, data centres and explosive ammunitions facilities.

How Ecotile Provides a Path to Ground

Stainless-steel microfibers are added throughout the inner structure of each PVC tile. These microfibres act like conductive veins that draw electric current from the surface of the floor through its entire thickness.

No wear layer is required, so Ecotile ESD tiles do not lose their ESD properties over time.

Superior to ESD Vinyl

The key benefit of Ecotile is that it's an entirely modular system that can be laid directly over your existing floor without adhesives. Avoid the recurring hassle of applying vinyl; our ESD interlocking tiles tap together like a jigsaw, making it quick and easy to expand static controlled areas. You can even move tiles to a different location if you're in a leased building or need to repurpose floor space.

First Line of Defence Against Static

- ESD performance never fades
- Move and reuse (ideal for leased spaces)
- Installable over almost any subfloor
- Embed ESD safety signs into your floor
- 10 year warranty



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

These 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

Ecotile's 10mm ultra heavy-duty interlocking floor tiles are exceptionally tough. Our thickest tile, the E500/10 can easily withstand extremely heavy loads, high traffic movements, and the rigours of industrial use.

Save time on rectifying minor subfloor undulations with our 10mm tile – perfect for areas where subfloors are more uneven and worn.

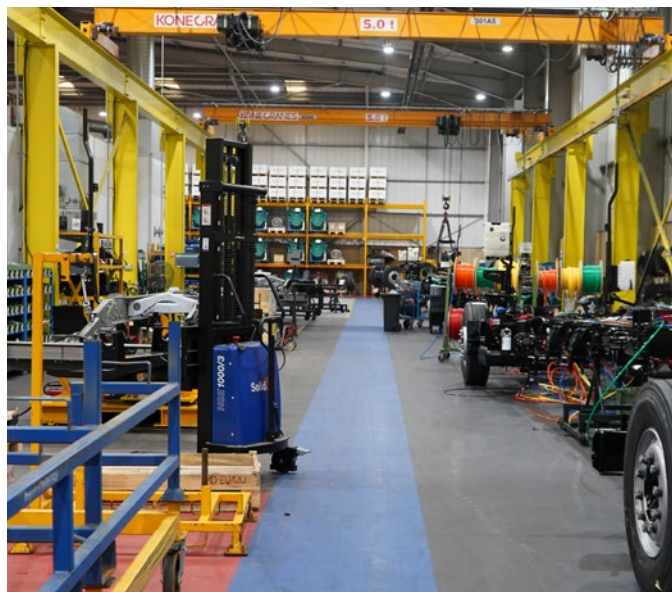
The Ultimate Floor Covering. Installed in Hours.

As with all Ecotile Floor tiles, our 10mm tiles are designed to be loose-laid. So, they're quick and simple to install in just a few hours. Perfect for businesses who can't afford to stop. They can be fitted in sections, allowing you to continue operation during installation.

They're ready to use straight away, without the curing or drying time associated with floor paints or screed.

Key Benefits

- Extremely Tough & Hard Wearing
- Excellent Resistance To Impact & Vibration
- Protects The Existing Floor From Damage
- No Floor Preparation Or Adhesive Required
- 100% Recyclable
- Good Anti-slip Properties
- Withstands Exceptionally Heavy Wear
- Quick And Simple To Install, No Downtime
- Ideal For Damp, Oily Or Contaminated Substrates



Next Level Floor Protection

The 10mm tile is ideal for use in areas where heavier fork trucks, aisle stackers or narrow aisle trucks operate. Or where HGVs will be executing tight manoeuvres or rotating wheels whilst stationary. They're even tough enough for aircraft hangars.

- | | |
|------------------------------|-------------------------------|
| • Manufacturing Plant | • Passenger Terminals |
| • Warehouses | • Food Factories |
| • Commercial Garages | • Shopping Centres |
| • Free Weight Areas | • Fire Stations |
| • Power Stations | • Distribution Centres |
| • Aircraft Hangars | • Maintenance Depots |



ecotile logo tiles

Add impact to your Ecotile floor by incorporating permanent floor markings. Ecotile Flooring Ltd 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).

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.

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

ecotile accessories

Code	Description
ecotile Ramps, Diminishing Strips & Thresholds	
E57.100	ecotile 500/7 clip on ramp sections available in all standard colours. Dimensions: 500mm x 70mm x 7mm>1mm
E57.000	ecotile 500/7 clip on ramp corner sections available in all standard colours. Dimensions: 590mm x 70mm x 7mm>1mm
PCR6	Stick on ramp sections / diminishing strips. Available in black, dark grey and light grey. Dimensions: 2000mm x 32mm x 7mm>1mm
41.200	SP050 adhesive for sticking diminishing strips

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 *
45.875	Heavy duty polyurethane floor sealer *

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

46.000	Ecotile Floor Cleaner
46.300	Ecotile Floor Polish
46.100	Ecotile Stripper
46.500	Ecotile Stubborn stain removal wipes – For fast removal of stubborn stains on ecotile products in a handy easy to use bucket.

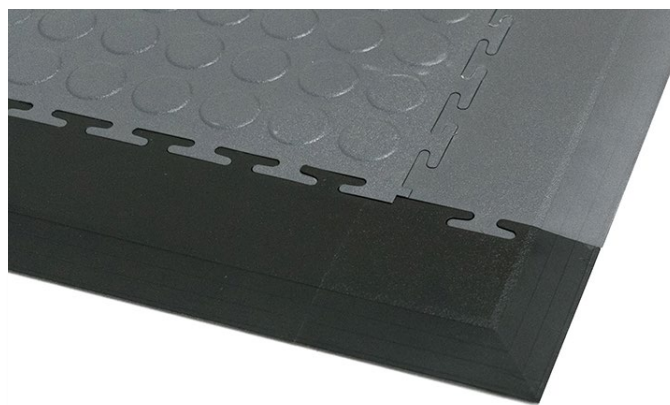
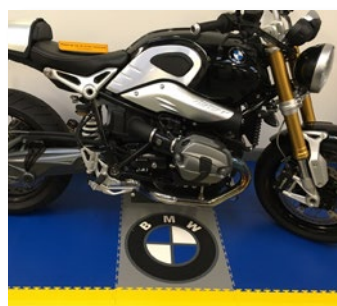
ecotile accessories

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.
13.232	ESD Floor Marking Tile
13.300	7mm tile with a metal insert for motorbike stands and to prevent vulcanisation

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

Applications

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



ecotile Interlocking floor tiles

Technical & Environmental Fact Sheet

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 100% recyclable, at the end of its service life the tiles can be granulated and re-used to manufacture a new floor. Most floor coverings only have a limited life span due to wear or the building occupier's wishes to refurbish or alter the building's appearance. Most waste floor coverings will end up in land fill due to the fact that once it has been adhered to the floor it cannot be re-used. Not only can ecotile be recycled but there is a strong market for pre-owned tiles.

Anticipated Service Life - 25 years +

VOC Content - Trace elements of volatiles from modifiers and non PVC based additives. Significantly lower VOC levels when compared to resin based flooring systems or the levels encountered when using adhesives to stick down conventional floor coverings. 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 – 5mm, 7mm and 10mm – 89-92 Shore A.

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.

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

- **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** - Good resistance to most commonly used chemicals. Ecotile offers good short to medium term resistance but as with most materials long term exposure could result in damage to the elastomer, colour and stability of the tile. In the event of accident we recommend the tiles are cleaned as soon as possible and if necessary lifted to remove any chemical that may have seeped underneath.

EN 13529 – Common acids oils & gas oil – No deterioration / Solvents – Not resistant to prolonged contact.

- **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: 10¹¹ and 10¹⁴ Ω / Ecotile ESD: surface resistivity: 3 x 10⁶Ω and 2.2 x 10⁴Ω / Resistance to ground : 5.7 x 10⁵Ω and 2.9 x 10⁴Ω.

- **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: Graphite: RAL7016, 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.

ecotile Interlocking floor tiles

Guidelines & Terms & Conditions of Sale

Surface Finish / Patina Ecotile is designed to provide exceptional durability and simple installation. This is achieved by the unique interlocking design and method of production. The method of manufacture may result in a witness mark being visible in the tile at the central injection moulding point and along the flow lines from the centre and around the external edge of the tile. Ecotile ESD contains stainless steel fibres that 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. Please check the tiles, if the marking is unacceptable do not continue with installation as we will not accept responsibility to replace or refund the cost of any goods after 10m² or more have been installed.

Batch Control: We are unable to guarantee 100% colour consistency between individual production batches. Each individual order will be supplied from a single batch but in the event that you need additional tiles or wish to extend the area we cannot guarantee subsequent orders will be supplied from the same batch.

Loose Lay or Glue: In the vast majority of applications no adhesive is required; the tiles can be dry laid and will take forklift or vehicle traffic without a problem. The tiles may require gluing if there is a risk of heavy point loading or shear (for example a three wheelelectric reach truck with the batteries located over a small single back wheel or areas with tight turning circles). It may also be necessary to glue patches of tiles exposed to an isolated heat source such as a catalytic converter or furnace. Please contact ecotile for further advice.

Expansion Gaps: Ecotile must be fitted with a 5mm expansion gap between the tiles and any fixed point (walls and machinery). The minimum temperature at which ecotile can be installed is 15°C. The tiles must be stored within the installation area at a minimum temperature of 15°C for at least 24 hours prior to commencing installation.

Chemical Resistance & Staining: Ecotile offers good resistance to petrol and other hydrocarbons, however in the event of prolonged and excessive exposure the elastomer in the tiles can be damaged and may result in the tiles curling. In the event of a spillage clean the tiles and if you suspect the chemical has got under the tiles we recommend lifting and cleaning the underside of the tiles. Rubber tyres (car, motorbike & fork truck) contain a chemical that can cause staining on ecotile as well as other types of floor coverings (vulcanisation / plasticiser migration). This will not damage the tiles but we recommend using a darker colour to minimise the impact of the staining. If you wish to use a light coloured tile in your garage we recommend sealing with Dr Schutz anti-colour or considering our Ecotile Lifestyle range, please contact the office for details.

External Use: Ecotile is not recommended for use outdoors.

Direct Sunlight: (Shop fronts, south facing loading bay, sky lights etc.) It is advisable to glue the tiles in areas subject to direct sunlight such as glass fronted entrance foyers, shop fronts, south facing loading bay doors etc. It is possible that the tiles in direct sunlight will get very hot and expand at a faster and higher rate than the remainder of the floor.

Installation

The tiles must be left in the installation area to acclimatise for a minimum of 24 hours before installation commences.

Ecotile reserves the right to charge for any unforeseen repair work / alterations that may be required to allow installation to be completed, for example if the floor has been damaged by the removal of the old floor finish or to trim doors to fit.

In the event that we are undertaking installation please be aware that it is the customer's responsibility to ensure that the installation area is as clear as possible. The great advantage of Ecotile is that it can be laid without the need to remove machinery; racking benches etc. but to make the job as efficient as possible we request that pallets, boxes, computers etc. are moved or placed on table tops so that our installation team can concentrate on fitting your new floor.

Failure to adhere to the guidelines may invalidate your warranty and in the event that any rectification or repair work is required Ecotile reserves the right to charge for any making good or repairs.

ecotile Interlocking floor tiles

Guidelines & Terms & Conditions of Sale

Ecotile Flooring Ltd. Warrants, for the period of ten years from the date of installation that its range of interlocking floor tiles will not deform, degrade or distort and that in the event of any of these things occurring we will replace the defective material free of charge provided that:

1. The tiles are installed in accordance with Ecotile installation instructions.
2. The floor has been subject to normal wear and tear and has not been subject to physical misuse or vandalism.
3. Furthermore we warrant that the ESD range will retain its esd performance for the life of the product.

The warranty does not extend to:

Damage caused by chemicals or hydrocarbons that have not been tested or are not detailed within the technical data section of our brochure. Ecotile offers good resistance to most commonly used chemicals and hydrocarbons with the specific exception of toluene or its derivatives. If customers are concerned we recommend that they undertake their own tests prior to installing Ecotile.

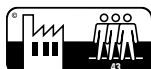
Markings from rubber tyres (car, motorbike, fork truck etc.) cigarettes or other burning agents or staining of the surface of Ecotile by acetone, cutting oils and lubricants (in particular those containing sulphur) or colour fading caused by exposure to UV / sunlight.

Liability for failure or damage to the material by circumstances beyond Ecotile's control, including failures due to flooding, storm damage or the failure of the sub-floor.

Product Data		
Dimensions	Thickness- Smooth	Thickness - Raised Disk
505 x 505mm	-	U500/5- 5mm
500 x 500mm	E500/7 + X500/7 - 6.8mm	E500/7 - 7.6mm
500 x 500mm	E500/10 - 9.53mm	-
500 x 500mm	E500/7/ESD - 6.8mm	-
Weight/m ²	Packaging	
U500/5 5.4kgs/m ² E500/7 (inc. ESD) Smooth 8.86kgs/m ² / Raised Disk 9.1kgs/m ² E500/10 Smooth 11.24kgs/m ²	Pack Size: 10 tiles per box 2.5m ² per box	



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 G00D



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

Accreditations:





Industrial and Commercial Flooring Solutions

For further information contact:

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