

Technical Information

Life Cycle and Cost: Perfection Floor Tile 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 life term cost.

Chemical Resistance – Good resistance to most commonly used chemicals. Perfection Floor Tile offers good short to medium term resistance but as with most materials long term exposure could result in damage to the elastomer, color, 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. Common acids oils & gas oil – Not resistant to prolonged contact

Color Fastness – >6 (EN 20105 B02: Method 3)

Cleaning: Day-to-day cleaning – damp mop or

Electrical Properties: Standard: surface resistivity: 1011 and 1014 Ω /
ESD: surface resistivity: 3 x 106 Ω and 2.2 x 104 Ω / Resistance to ground : 5.7 x 105 Ω and 2.9 x 104 Ω /
Anti-static: surface resistivity: 3 x 109 Ω and 2.2 x 1011 Ω

Tests were carried out in accordance with the requirements of Annex A.1 of BS IEC 61340-5-1:2001.
ESD fulfils the recommendations detailed in BS EN 61340 5-1:2001 for floors to be used for primary grounding.

Stocking Tile

¼ in 5.0 to 5.5mm with excellent durability

Electrical Resistance: ESD-57.0 and ASTM-150 10e7, Point to Point and point to ground. Static Generation: ESD STM 97.2 at 40% R.H.: 10 volts' at 12% RH.: , 100 volts

Special Order 3 Weeks Lead

Electrical Resistance: ESD-57.0 and ASTM-150 10e10, Point to Point and point to ground. Static Generation: ESD STM 97.2 at 40% R.H.: 10 volts' at 12% RH.: , 100 volts

Resistance to Hot Objects/Solder – Good

Dimensions – HomeDécor Tile: 20 inch x 20 inch / Flexi-Tile: 20.5 inch x 20.5 inch

Usage Classification – Code of Practice BS 8203:2001 / EN 685 – Class 43

Sustainability: Perfection Floor Tile is 100% recyclable, at the end of its service life the tiles can be grinded up 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 Perfection Floor Tile be recycled but there is a market for pre-owned tiles

Anticipated Life: 25 years for residential use, 10 year for commercial use

VOC Content : Trace elements of volatile's 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.

Sound Absorption: Noise reduction of up to 45 decibel can be achieved

Hardness: Standard ISO 868 – **Perfection Floor Tile** 5mm and 7mm – 89-92 Shore A /

Resistance to natural light: EN 20105-B021 – 5 (no damage)

Fire Performance: Perfection Floor Tile does not support combustion and achieves Class 1 spread of flame when tested to BS 476: Part 7 / European Classification: BFL

Abrasion Wear: Excellent

Mechanical Resistance - 17 N/mm2 to DIN 53516

Dimensional Stability: Maximum change in dimension <0.15%

Compressive Strength: ISO868

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ean Slip Resi

Surface

Coin / Studded

Smooth /

Leather

Slate

Technical Specification Tile Dimension	Standard	Units of Measurement	Flexi-Tile Coin 20.5" x 20.5"	Flexi-Tile Diamond 20.5" x 20.5"	Flexi-Tile Homestyle 20" x 20"	Flexi-Tile Commercial 20" x 20"	Flexi-Tile Industrial 20" x 20"
Thickness Material		mm	4.5 PVC SGI1.40	4.5 PVC SGI 1.37	5 PVC SBI1.40	5 PVCSGI1.40	7 PVC SGI1.37
Hardness	ISO868	Shore A	80	80	80	80	92
Abrasion	DIN50504	Nmm	15	15	15	15	17
Wear Resistance	DIN53516	mm	87.9	87.9	87.9	87.9	90.6
Moisture Absorption	ASTM D-0471		Less than 3% by weight (72H@70F)	Less than 3% by weight (72H@70F)	Less than 3% by weight (72H@70F)	Less than 3% by weight (72H@70F)	Less than 3% by weight (72H@70F)
Specific Gravity	ASTM D-792		1.37 (+/- 0.02)	1.37 (+/- 0.02)	1.37 (+/- 0.02)	1.37 (+/- 0.02)	1.37 (+/- 0.02)
Tensile Strength	ASTM D-638	psi	2700	2700	2700	2700	2700
100% Modulus	ASTM D-412	psi	2700	2700	2700	2700	2700
Dielectric Strength	ASTM D-149-97A	KV	Exceeds 45	Exceeds 45	Exceeds 45	Exceeds 45	Exceeds 45
Flame Spread	DIN51960		Class 1	Class 1	Class 1	Class 1	Class 1
Fire Resistance	ANSI/ASTM E648979	A/NFPA235 1995 Critical Rad Flux	Class 1	Class 1	Class 1	Class 1	Class 1
Electrical Resistance	DIN 53582	Ohms	1X10 14	1X10 14	1X10 14	1X10 14	1X10 14
Anti-Slip	ASTMC 1028/89	Co-efficient of	Very Good	Very Good	Very Good	Very Good	Very Good
Dimensional Stability	NF EN404	%	.040	.040	.040	.040	.040
Chemical Resistance	DIN 51958						Good

Hydrochloric Acid * 96% Ethanol * 100% Acetic Acid * 100% Nitric Acid * 69 % Sulfuric Acid * 98% Chomic Acid
 40% Toluene, Trichloroethylene, Acetone, Engine Oils, Gasoline, Urine

Standard Indentation	ND EN 433	Inch					
* Under Load			1.40	1.30	1.40	1.40	1.57
* Load Removal			.20	.17	.20	.20	.50
Anti-Static*	Special 1x108	Anti-Static Tiles					
UV Stability**			Good	Good	Good	Good	Good
Sound Absorption	db	Up to 48 db	Up to 40db	Up to 40db	Up to 40db	Up to 40db	Up to 40db
Thermal Resistance	BS4745		Good	Good	Good	Good	Good
Thermal Conductivity	BS4745		Good	Good	Good	Good	Good

* Anti-static tiles available in dark grey only (minimum order 650 sq feet)

* UV Stability can be added to prevent fading on tiles to be installed in direct sunlight (min order 650 sq feet)