

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 BO2: Method 3)

Cleaning:

Day-to-day cleaning – damp mop or

Electrical Properties:

Standard: surface resistivity: 10¹¹ and 10¹⁴ Ω /

ESD: surface resistivity: 3 x 10⁶Ω and 2.2 x 10⁴Ω / Resistance to ground: 5.7 x 10⁵Ω and 2.9 x 10⁴Ω /

Anti-static: surface resistivity: 3 x 10⁹Ω and 2.2 x 10¹¹Ω

Tests were carried out in accordance with the requirements of Annex A.1 of BS IEC 61340-5-1:2001.

ESD fulfills 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% R.H.: , 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% R.H.: , 100 volts

Resistance to Hot Objects/Solder:

Good Will effect surface but will not burn

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 Tiles are 100% recyclable. At the end of its service life, the tiles can be ground 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 landfill due to the fact that once it has been adhered to the floor it cannot be re-used. Not only can Perfection Floor Tiles be recycled but there is a market for pre-owned tiles.

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

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.

Sound Absorption: Standard LLC 65 Noise reduction of up to 45 decibel can be achieved

Hardness: Standard ISO 868 - Perfection Floor Tile 5mm and 7mm - 82-94 Shore A /

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

Anti-Slip Qualities:**Anti-Slip Qualities:**

Mean Slip Resistance Value / Potential for slip ref.			Mean Surface Roughness
Surface	Wet	Dry	
Coin / Studded	47 / Low	69 / Extremely low	31.7
Smooth / Leather	36 / Low	69 / Extremely low	37.9
Slate	44 / Low	69 / Extremely low	33.4

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: ¹ ISO868

7mm Rigid

HARD MATERIAL		
R Value		
	m ² K/W	ft ² K/W
4MM	0.0218	0.2347
4.5MM	0.02447	0.2633
5MM	0.0272	0.2928
7MM	0.03807	0.4098

Standard Product

SOFT MATERIAL		
R Value		
	m ² K/W	ft ² K/W
4MM	0.02364	0.2545
4.5MM	0.0266	0.2863
5MM	0.02956	0.3181
7MM	0.04138	0.445