



industrial & commercial  
floor systems

### Composition & Manufacture

Lock-Tile® is injection moulded using virgin material. Lock-Tile® tiles are manufactured to the highest quality standards and are **ISO 9001:2000** certified.

### Standards & Accreditation

Meets & exceeds requirements:  
**BS EN685:1996** (Resilient & laminate floor coverings)  
**BS EN649:1997** (Resilient floor coverings. Homogenous & heterogeneous pvc floor coverings)

### Life Cycle Cost

Lock-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 the life cycle cost.

### Sustainability

**Lock-Tile® is 100% recyclable.** At the end of their service life the tiles can be granulated and re-used to manufacture a new floor.

**Anticipated Service Life 20 years +**

### REACH compliant

Lock-Tile® is produced according to the EU Committee's REACH regulation **EC 1907/2006**.

### Sound Absorption

Noise reduction of up to 46 decibels can be achieved.

### Guarantees

All products in the Lock-Tile® range are guaranteed to remain free from manufacturing defects for 10 years from the date of installation, if installed and used according to the instructions.

### Dimensions

Tiles: ca.501mm x 501mm, effective ca.490mm x 490mm  
Thickness: Flat surface 6,5mm (ca.8kg/m<sup>2</sup>)  
Embossed 6,7mm (ca.8kg/m<sup>2</sup>)  
Raised disc 7,3mm (ca.8kg/m<sup>2</sup>)  
Heavy Duty 10,5mm (ca.13kg/m<sup>2</sup>)

Ramp: 500mm x 140mm, effective 490mm x 140mm

### Hardness

87 - 96 Shore A (softer base materials available upon request)

### Fire Performance (flame & smoke)

Lock-Tile® does not support combustion and achieves Class **Bfl-s1** when tested to **EN 13501-1 : 2007**.



## Fact sheet

### Anti Slip Qualities

Tested in accordance with **DIN 51130** slip resistance guidelines. *Test Results: R8-R12*  
Potential for slip hazard in wet condition – LOW

### Abrasion Wear

Abrasion test (**DIN 53516**) : average 85 mm<sup>3</sup> (d V)  
Group T (<2.0mm<sup>2</sup>/100 revs) 16  
**EN 660-2:1999** (Resilient Floor Coverings - Determination of Wear Resistance - Frick-taber Test)

### Elongation

Elongation at break 214% to **DIN 53455**

### Mechanical Resistance

17N/mm<sup>2</sup> to **DIN 53516**

### Dimensional Stability

**BS EN 434:1994** – Maximum change in dimension <0.1%

### Thermal conductivity

Thermal conductivity according to **DIN 52614**  
0,1638 W/(mK)

### Chemical Resistance

Lock-Tile® is resistant to most commonly used chemicals and hydrocarbons. Caution is advisable if solvents are in use.

### Colour Fastness

**>6 ISO 105-B02:1988**  
(Textiles tests for colour fastness. Colour fastness artificial light [xenon arc fading lamp test])

### Cleaning

Day to day cleaning uses damp mopping or rotary scrubber dryer.

### Lock-Tile® Constat® Electrical Characteristics

Lock-Tile® Constat® fulfils the recommendations in **EN 61340.5.1-2007** for floors used for primary grounding.  
**EN 61340.5.1-2007** (Electrostatics - Protection of electronic devices from electrostatic phenomena - General requirements)

### Electrical resistance Lock-Tile® Constat®:

DIN EN 1815  $3 \times 10^4 \text{ Ohm} < R_s < 3 \times 10^5 \text{ Ohm}$   
DIN EN 1018  $3 \times 10^5 \text{ Ohm} < R_g < 9 \times 10^5 \text{ Ohm}$   
Eg < 2000V = anti-static

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