



industrial & commercial
floor systems

Composition & Manufacture

Lock-Tile® is injection moulded using virgin material. Lock-Tile® tiles are manufactured to the highest quality standards on the basis of a certified **ISO 9001** quality management system.

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 Dampening

Lock-Tile® can contribute to sound dampening. Please contact our technical department for further details.

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 ²)
	Embossed	6,7mm (ca.8kg/m ²)
	Raised disc	7,3mm (ca.8kg/m ²)
	Heavy Duty	10,5mm (ca.13kg/m ²)

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® (6,5mm/6,7mm and 7,3mm) in our virgin standard hardness, does not support combustion and achieves Class **Bfl-s1** when tested to **EN 13501-1 : 2007**.

Anti Slip Qualities

Tested in accordance with **DIN 51130** slip resistance guidelines. *Test Results: R8-R12*

Potential for slip hazard in wet condition – LOW



Fact sheet

Abrasion Wear

Abrasion test (**DIN 53516**) : average 85 mm' (d V)

Group T (<2.0mm²/100 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/mm² 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

Preparations / precautions

It is recommended to let the tiles acclimatize for a minimum of 12 hours before installation. Installation is best carried out at temperatures between 18 and 25 degrees C.

In areas where high temperature changes can occur (e.g. direct sun light) and/or where tiles are exposed to high dynamic point loads, it is necessary to glue the tiles to the substrate. Please consult our technical department for further details at

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