

Polymax Vigor Interlocking PVC Tiles

- Manufactured from hardwearing PVC
- 100% recyclable
- Designed to withstand heavy loads, including fork lift trucks and pallet trucks
- Easy to install and maintain
- Easy to remove and re-lay
- Significantly reduce noise and dust
- Fire retardant – class Bfl s1
- Oil resistant – perfect for garages and workshops
- Available with a studded, checker or smooth finish
- Bevelled edges are available
- Different colours available – walkways can be easily demarcated
- Available with standard or virtually invisible dove tail
- ESD and anti-static tiles are also available

Standards and Accreditation

Meets and exceeds requirements of:

BS EN 685:1996 (resilient, homogeneous, heterogeneous PVC floor coverings)

BBA 96/3229/3 (laminated floor coverings)

BS EN 649:1997 (resilient floor coverings)

Life Cycle Cost

Vigor tiles are intended to be laid loose 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

Vigor tiles are 100% recyclable. At the end of their service life they 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. In addition to being recyclable, there is also 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 conventional 'stick-down' floor coverings

Sound Absorption

Noise reduction of up to 46db can be achieved

Hardness

Standard ISO 868 – 89-92 Shore A

Resistance to natural light

EN 20105-B021 – 5 (no damage)

Anti-Slip Qualities

EN 13893 – 0.75

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

Fire Performance

Vigor tiles do not support combustion and achieve Class 1 spread of flame when tested to BS 476: Part 7 / European Classification: BFL

Abrasion Wear

Group T

Mechanical Resistance

17 N/mm² to DIN 53516

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. Vigor tiles offer good short to medium term resistance but as with most materials long term exposure could result in damage to the 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 chemicals that may have seeped underneath.

EN 13529

Common acids, oils & gas oils – no deterioration

Solvents – not resistant to prolonged contact

Colour Fastness

>6 (EN 20105 BO2: Method 3)

Cleaning

Carry out day to day – use a rotary scrubber dryer or damp mop

Electrical Properties

Standard Vigor: surface resistivity: 10¹¹ and 10¹⁴ Ω

Vigor ESD: surface resistivity: 3 x 10⁶Ω and 2.2 x 10⁴Ω

Resistance to ground: 5.7 x 10⁵Ω and 2.9 x 10⁴Ω

Vigor 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. Vigor ESD tiles fulfil the recommendations detailed in BS EN 61340 5-1:2001 for floors to be used for primary grounding.

Resistance to Hot Objects/Solder

Good

Dimensions

Tile: 500mm x 500mm

Ramp: 500mm x 70mm

Usage Classification

Code of Practice BS 8203:200

EN 685 – Class 43