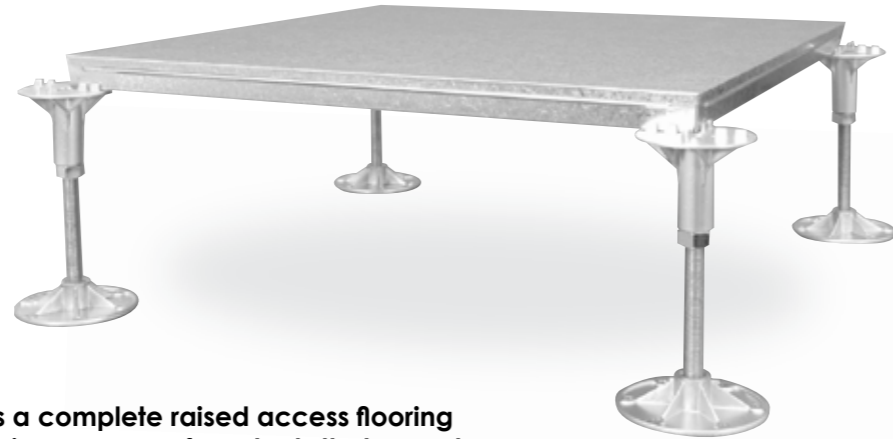


# Permaflor

The complete access flooring solution.



**Permaflor is a complete raised access flooring system offering a range of products that comply fully with either PSA or BSEN standard specifications. Bespoke sizes or finishes are also available to suit individual projects.**

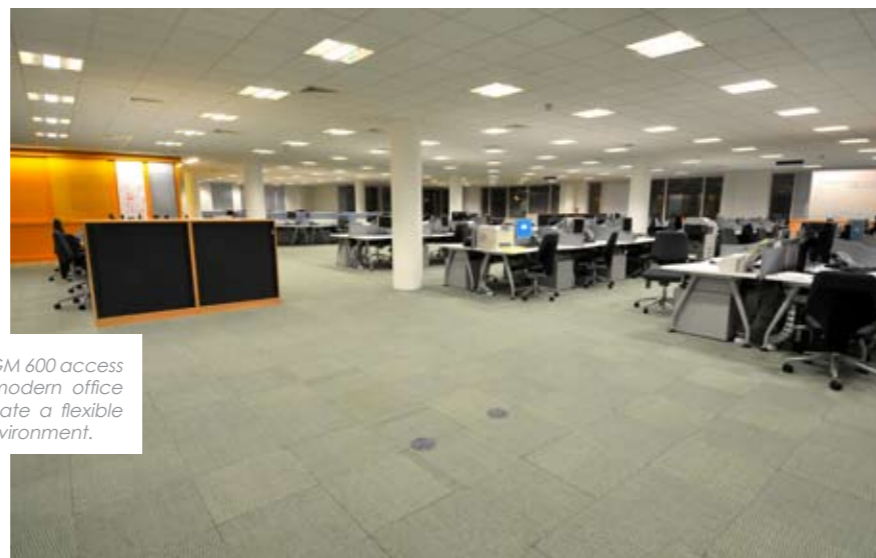
The high-quality Permaflor panels are either fully steel encased or edge-banded - a unique design that is robust and durable and has excellent dimensional consistency.

The option of bespoke panels gives further design flexibility, making Permaflor ideal for refurbishment or where a tailored solution is required.

It can be supplied with factory-bonded finishes, including carpet, vinyl, solid wood or veneers and even ceramics and natural stone.

A complete system, it includes all the components needed to accommodate different cabling and HVAC requirements in a range of void heights.

“Permaflor is a versatile access floor system offering standard PSA and BSEN products as well as bespoke solutions”



More than 7000m<sup>2</sup> of Permaflor BGM 600 access floor panels were used on this modern office development at Bracknell to create a flexible and easily maintained working environment.

**A leading UK manufacturer**

**Bathgate is one of the largest access floor manufacturers in Europe, operating from a modern, purpose-designed factory in the UK.**

This highly efficient plant is also very flexible, allowing rapid line changes and small production runs – one reason we can react so quickly, if needed, to supply products in order to keep your project on schedule.



Our modern manufacturing plant at Hereford combines large-scale efficiency and quality control yet retains the flexibility to allow small production runs.

As a UK manufacturer with a high proportion of raw materials sourced from within the UK, we are less affected by adverse currency fluctuations, making build costs more stable and predictable and helping maintain our highly cost-competitive position.

## Environmental

The high density particle board core in our panels uses 90% recycled material, which together with a proportion of recycled steel helps achieve our objective of using natural resources within sustainable limits.

The unique design of Permaflor access floor panels minimises air leakage, reducing heat loss when the underfloor void is used as an air plenum - the ideal choice for low energy buildings.

Permaflor raised access flooring allows maximum utilisation of the building space, provides design flexibility to accommodate changing occupancy requirements and gives easy access to services for maintenance or upgrading with minimum disruption.



# Permaflor

The modern alternative

Raised access flooring has become the system of choice for almost all new office buildings due to the ease with which building services can be conveniently routed in the floor void. It is also a cost-effective way to refurbish and upgrade older buildings.

- Offices
- Retail
- Hotels & Leisure
- Education
- Computer rooms
- Telecoms and call centres
- Financial

## A better solution

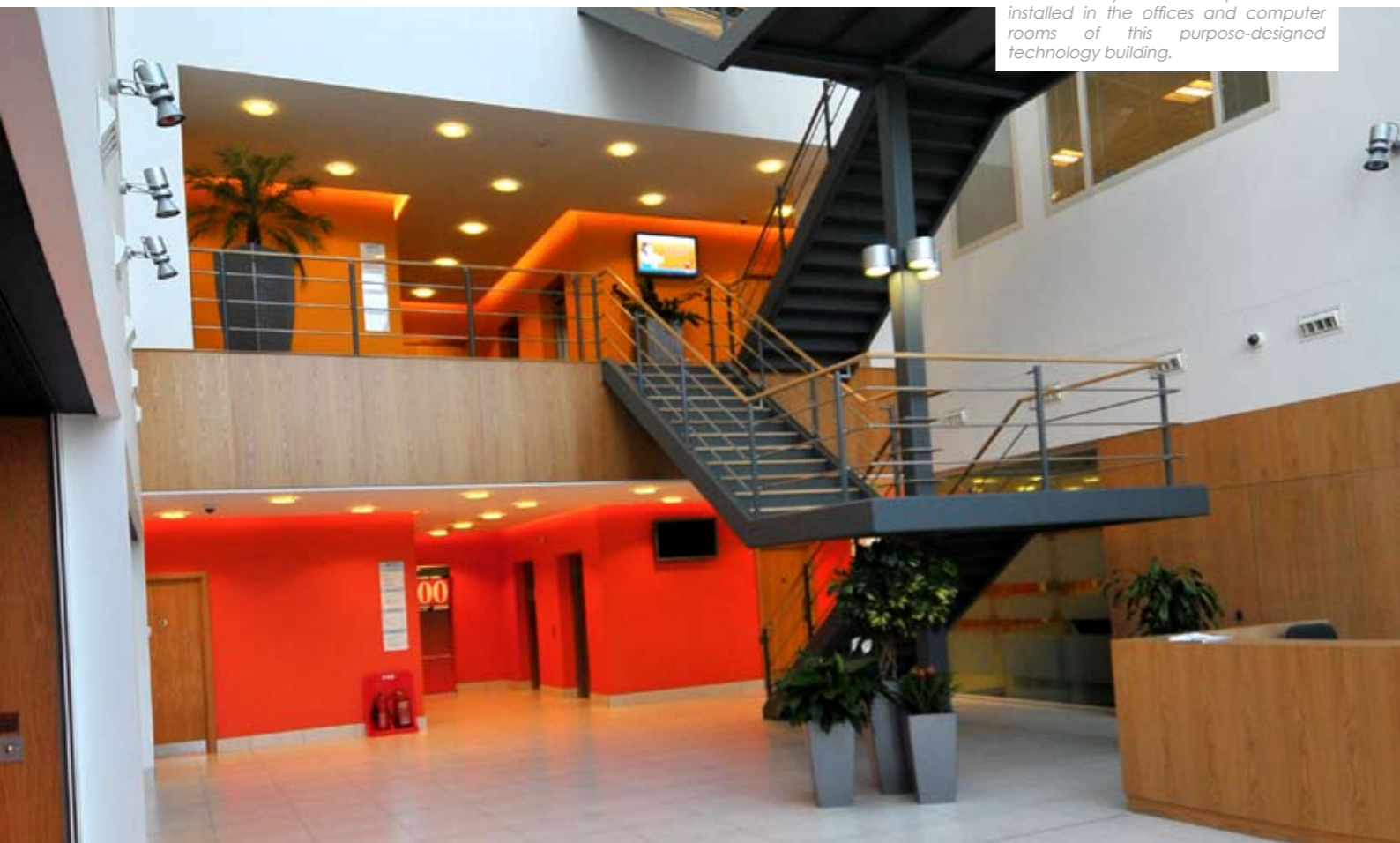
Underfloor HVAC using the floorspace as an air plenum is more energy-efficient than traditional methods, also providing greater control, improved air quality and a more comfortable working environment. In addition to the substantial reductions in energy, heating and cooling costs, there is conclusive evidence that this improves staff morale, increases productivity and lowers absenteeism.

## Practically perfect

The raised access floor is also far more practical than traditional cable management systems for routing power, telecoms, data and communication cables. It also facilitates modifications to work areas and desk layouts by simply lifting a few panels and redirecting the services at a fraction of the cost and disruption!

And because Permaflor access floors are available for all possible floor loadings, with a range of finishes from the purely functional to the positively prestigious... you can be assured there's a product suited to almost every purpose and application.

*Over 8000m<sup>2</sup> of Permaflor BGM 600 and BEH 600V vinyl-faced floor panels were installed in the offices and computer rooms of this purpose-designed technology building.*



# Permaflor

Bespoke solutions

Our flexible manufacturing capability and experienced design and production teams mean that whatever your needs, for either newbuild or refurbishment, you can be assured of a cost-effective design solution with Permaflor.

Whether its factory-bonded surfaces for new installations, replacement of the existing floor covering or even upgrading to improve load performance... we can deliver customised solutions to the toughest of problems.



*Permaflor BE panel  
factory bonded with oak*

## Wide range of surface finishes

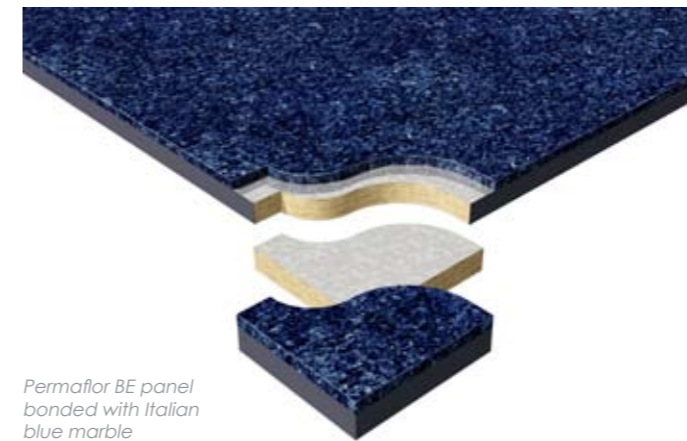
From vinyls, wooden floors, veneers and carpet through to stone, marble or ceramics, we can use your materials or source a wide selection from which to choose. Drawing on our considerable manufacturing experience, we'll help turn your concept into a practical and cost-effective solution.

## Structural upgrades

If your existing floor doesn't meet new loadbearing demands we can help design a bespoke solution to upgrade its performance, whilst minimising disturbance to current operations and avoiding the cost and inconvenience of shutdowns or evacuation.

## Match and patch

Situations often arise within older buildings where the floor system is basically sound, and may require only upgrading or extending. The difficulty of matching obsolete sizes and panel materials can often mean replacement seems the only answer. As a specialist manufacturer, we are able to produce bespoke panels and pedestals to match any system, giving you the flexibility to renew at often a fraction of the cost.



*Permaflor BE panel  
bonded with Italian  
blue marble*

## Void heights

Standard pedestals are available for both BSEN and PSA specifications to allow void heights of between 26mm - 2000mm. For projects requiring voids outside these dimensions bespoke pedestals can be supplied.

## Accessories

A full range of accessories is available:

- Cable ports
- Handrails
- Ramps & steps
- Perimeter gaskets
- Class 'O' aluminium foil tape
- Pedestal earthing clamps
- Beams & stringers
- Oversized panels
- Ventilation panels

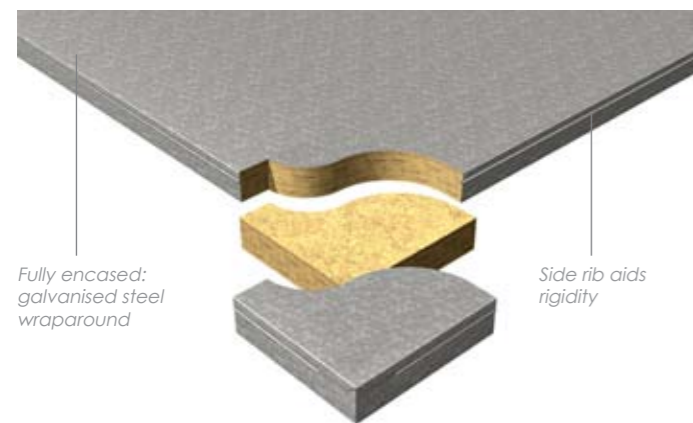
# Permaflor

The complete access flooring solution.

Permaflor is available in two configurations giving the option of a fully encased steel panel (BG Range) or one that is steel encapsulated on both surfaces with a protective edging (BE Range). Both utilise a high density particleboard core, whilst the BE range offers the further option of a bonded vinyl surface finish.

Bespoke finishes can be factory-bonded, including carpet. Each range includes standard products engineered for the most common PSA and BSEN specifications, with less popular specifications manufactured to order.

## BG Range



High density particleboard core

### Permaflor BG range

The fully steel-encased Permaflor BG panel combines strength and durability with ease of installation, reliable performance and proven low maintenance.

An exceptionally rigid panel, with the option of gravity-laid or screw down fixing, both make a suitable substrate for most modular floor coverings and can be specified in a wide range of standard or bespoke factory-bonded finishes.

Its high-density particleboard core is encased in a galvanised steel jacket, which is roll-pressed to a unique profile that makes installation or removal easier and protects edges against damage.

- Fully encased in galvanised steel
- Unique profile prevents lid detachment
- Gravity laid or screw down
- Rigid construction

### PSA Specification

Product	BGM 600	BGM 600S	BGM 600L	BGH 600	BGH 600S
Grade	Medium	Medium	Medium	Heavy	Heavy
Depth	31mm	31mm	26mm	39mm	39mm
Weight (m <sup>2</sup> )	33kg	33kg	32kg	43kg	43kg

### BSEN Specification

Product	BG 3	BG 3L	BG 5
Grade	3/A/3/2	3/A/3/2	5/A/3/2
Depth	31mm	26mm	31mm
Weight	32kg	31kg	33kg

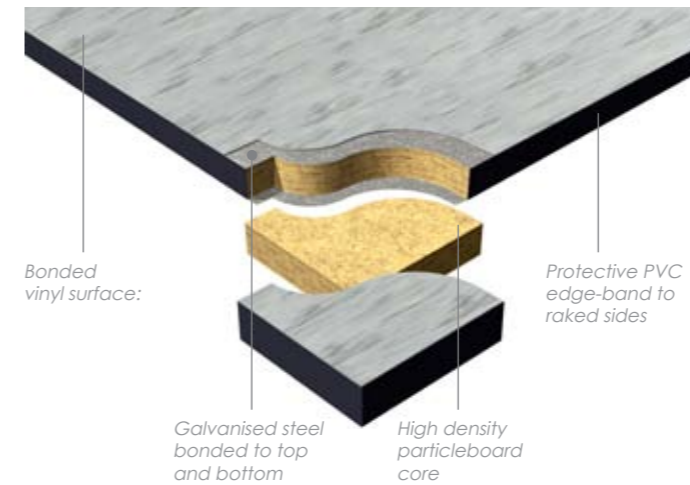
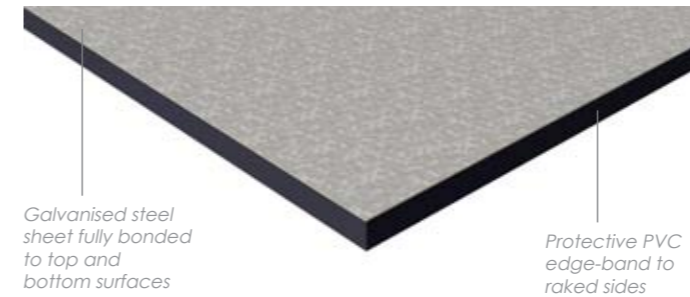
Notation:  
S = Screw down  
L = Low profile

## Void heights

Permaflor BG and Permaflor BE flooring systems have various pedestal options allowing standard void depths of between 26mm – 2000mm plus bespoke solutions if required.

A full range of accessories is also available for cable management, air handling and barriers within the void.

## BE Range



### Permaflor BE range

The Permaflor BE panel uses an encapsulated construction of galvanised steel bonded to both surfaces with a protective edge-banding. It is also available with a bonded vinyl surface finish.

This design offers improved handling and manoeuvrability during installation whilst retaining the strength and robustness of a traditional steel-encased panel.

The full-depth edge-banding provides improved tightness of fit between adjoining panels and gives a firm seating onto the pedestal without the use of gaskets. Air leakage is considerably reduced, a feature that can be important when the void is used as an air plenum.

As well as non-standard sizes, a wide range of factory-bonded surface finishes can be applied to the BE range, including carpet, timber and ceramics.

- Galvanised steel bonded to both surfaces
- PVC edge-band with raked sides for easier fitting
- Anti-static vinyl surfaced option
- Bespoke factory-bonded finishes available
- Reduced air leakage

### PSA Specification

Product	BEM 600	BEM 600V	BEH 600	BEH 600V
Grade	Medium	Medium	Heavy	Heavy
Depth	31mm	33mm	39mm	41mm
Weight	33kg	35kg	43kg	45kg

### BSEN Specification

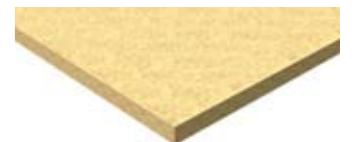
Product	BE 3	BE 3V	BE 5
Grade	3/A/3/2	3/A/3/2	5/A/3/2
Depth	31mm	33mm	31mm
Weight	33kg	35kg	33kg

Notation:  
V = Vinyl surface

## Other products

### Permaflor BPB range

The unencapsulated Permaflor BPB range offers a budget flooring solution that fully conforms to BSEN specifications. This high density particleboard has excellent dimensional accuracy and forms a suitable base for loose laid carpet tiles.



### Bespoke range

Bespoke panels can be fabricated in a wide range of materials and finishes suited to both newbuild or refurbishment schemes, fully conforming to the required PSA or BSEN specification.

