Domus Floor+ is a portfolio of Advanced Floor Systems that provides innovative solutions for residential and commercial projects solving technical building issues, both internally and externally. The Advanced Floor Systems utilise new technology, materials and production methods, which speed up installation times, remove part or all wet trade challenges and provide a first class design and high performance floor.

Modern hi-tech buildings require practical and well-designed solutions to accommodate under-floor services and cabling, and to allow access to those services for maintenance and upgrades as technology develops or when the need for layout changes occur. Domus Floor+ solves these technical requirements with its raised and access floor systems, which contain services beneath a durable, highly functional floor with designed-in and easily removable access panels that reveal the void below.

The innovative designs of Domus Floor+ Systems allow specifiers to select from an extensive range of floor materials and size formats and does not restrict designers to the traditional 600 x 600mm panel size.

Size formats up to 3000 x 1000mm can be specified and the complete range of Domus Porcelain Tiles, Lightweight Porcelain Slabs and Domus Technical Stone can be incorporated into Domus Floor+.
INTERNAL SYSTEMS

Domus Floor+ Internal Raised Access (RA) system is a factory bonded floor panel consisting of Porcelain Tile or Technical Stone bonded to a high density Calcium Sulphate panel with a steel backing (optional) and edge banded. The supporting system is comprised of a tubular stringer (optional) and adjustable pedestals. Design innovations throughout all these elements ensure that the traditional constraints of raised flooring are removed. The new technology allows specifiers an extensive choice of colours, finishes and large format sizes up to 1200mm. Suitable for all types of commercial and residential buildings.

Domus Floor+ Components:

1. Domus Porcelain or Technical Stone tile or slab
   100’s of colours, finishes and sizes available

2. Calcium Sulphate (CS) panel
   Variable thicknesses: 30–38mm

3. Galvanised steel backing (optional)
   Providing added strength and durability

4. Edge banding
   Colour options available
   Seals the tile and CS bonded panel

5. Steel pedestal
   Height adjustable to achieve a finish floor height from 60–2000mm

6. Steel stringer (optional)
   Providing added strength and durability
   Assists with installation

7. Acoustic insulating pad (optional)

LOADING CAPACITIES

<table>
<thead>
<tr>
<th>Uniformly Distributed Loads</th>
<th>Concentrated Loads</th>
<th>Concentrated Loads</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Over 300mm sq indentor</td>
<td>Over 250mm sq indentor</td>
</tr>
<tr>
<td>Light Grade</td>
<td>6.7 kN/m²</td>
<td>At least 2.7 kN</td>
</tr>
<tr>
<td>Medium Grade</td>
<td>8.0 kN/m²</td>
<td>At least 4.5 kN</td>
</tr>
<tr>
<td>Heavy Grade</td>
<td>12.0 kN/m²</td>
<td>—</td>
</tr>
<tr>
<td>Extra Heavy Grade</td>
<td>12.0 kN/m²</td>
<td>—</td>
</tr>
</tbody>
</table>

Safety factor for all: 3x load for 5 minutes

Raised Access Floor (RA)
Domus/West Porcelain Stone
Surface Showroom, Islington

RAISED ACCESS FLOORS (RA)

Tiles: 3.5–14mm thickness
Overall tile & panel thickness 38–53mm
Sizes up to 1200 x 1200mm
Tile & panel weight: approx. 60–87KG / SQM
Perfectly flat solid floor with minimal deflection
Fully adjustable support system: 20–1950mm
INTERNAL SYSTEMS

SCREED REPLACEMENT SYSTEM (SR)

A precision engineered gypsum fibreboard flooring panel that replaces the need for a levelling wet concrete screed which is designed to span over pedestals, joists or battened floors at maximum 600mm centres.

The load-bearing panels offer partial access to voids beneath and produce a strong and versatile floor system with high dimensional stability — the ideal substrate for robust, monolithic porcelain and stone floors.

Gypsum Fibreboard Panel
Size = 1200 x 600mm or 600 x 600mm
Thickness = 25 / 28 / 32 / 38mm
Weight = 37.5 / 42 / 48 / 57kg/m²
Lightweight compared to concrete screed
Density = 1500kg/m³
Recycled Content = over 50%
Manufactured to ISO 14001

Domus Floor+ Components:
Screed Replacement System (SR)
1. Domus Porcelain or Technical Stone tile or slab
   100’s of colours, finishes and sizes available
2. Gypsum fibreboard panel
3. Glued tongue & groove edge profile
4. Non-intrusive access panel
5. Steel pedestal
6. Steel stringer (optional)
7. Acoustic insulating pad (optional)

- Suitable for all sizes of porcelain tiles
- Ideal for 3000 x 1000mm lightweight porcelain slabs
- Not suitable for very wet areas / wet rooms
- Tanking layer required if being used in wet areas
- Suitable for toilet fit-outs in office areas
- Excellent load bearing capability
- Creates solid flat level floors
- Dimensionally stable and robust

- Good acoustic performance
- Suitable for underfloor heating systems
- Excellent thermal conductivity AR = 0.44 W/mK
- Non-combustible A1 fire rated
- Quick to install
- Interlocking tongue and groove edge profiles
- Reduces cement content of building
- No wet trade or drying time as per traditional screeds
- Ready for traffic in 24 hours

Screed Replacement System SR
Domus Crete Porcelain
Domus Clerkenwell

Cabling & piping

Adhesive
A precision engineered gypsum fibreboard flooring panel that provides a dimensionally stable, superior replacement to plywood substrates and removes the need for an anti-fracture membrane.

Created for new projects and refurbishments – this system is ideal for overlaying onto existing raised metal panel systems and timber floors.

Gypsum Fibreboard Panel
- Size = 1200 x 600mm
- Thickness = 18 / 23mm
- Weight = 22 / 28kg/sqm
- Density = 1100kg/m³
- Recycled Content = 60%
- Manufactured to ISO 14001

- Suitable for all sizes of porcelain tiles
- Ideal for 3000 x 1000mm lightweight porcelain slabs (23mm thickness panels required for slabs and regular thickness tiles 600 x 600mm or larger)
- Suitable for all commercial and residential buildings
- Not suitable for wet areas
- Environmentally friendly (60% recycled content)
- Thermally transparent, high conductivity
- Ideal for underfloor heating systems
- High density panel = top acoustic performance
- Can be used to reduce impact noise and sound transmission to achieve performances required by Part-E of the Building Regulations.
- Easy and quick to install
- Panel joints are glued and fastened
- Use Brio joint screws to fasten
- Lapped edge profiles
- No wet trade required before tiling
- Reduces cement content of building
- Thermally transparent, high conductivity
- Ideal for underfloor heating systems
- High density panel = top acoustic performance
- Can be used to reduce impact noise and sound transmission to achieve performances required by Part-E of the Building Regulations.
- Easy and quick to install
- Panel joints are glued and fastened
- Use Brio joint screws to fasten
- Lapped edge profiles
- No wet trade required before tiling
- Reduces cement content of building

Domus Floor+ Components: Overlay System (OS)
1. Domus Porcelain or Technical Stone tile or slab
   100’s of colours, finishes and sizes available
2. Gypsum fibreboard panel
3. Lapped edge profile
4. Joint, glued & screwed
5. Existing metal panels / Existing substrate
   Panels must be fixed to pedestals
6. Steel pedestal
7. Acoustic insulating pad (optional)
Suitable for large scale commercial and landscape residential projects. The system consists of a 20mm thick porcelain tile and adjustable external pedestals with built-in slope corrector.

The external system is water and frost proof and chemical resistant, exceptionally durable for heavy foot-traffic areas, and easy to maintain and install. Joints remain open to allow water to drain off the surface.

Domus Floor+ Components: External Raised Access (XT) System

1. Open Joint. Recommended spacer tab 3mm. Allows water to drain off the surface.

2. Fully adjustable pedestal height: 17-850mm. Option of built-in slope corrector to counteract undulating substrates and to accommodate drainage falls.

Breaking Strength EN 1054-5-4 \( \geq 13000 \text{kN} \)
Bending Strength EN 1054-5-4 \( \geq 32 \text{N/mm}^2 \)
Point Load EN 12825
- 6kN Centre
- 7kN Centre of Side
- 4kN Diagonal
Resistance to Abrasion EN ISO 10545-6 \( \leq 150 \text{mm}^3 \)

Important Note: for installations using pedestals that incorporate a void of 75mm or greater, please contact us for advice regarding the recommended provision of a reinforcing mesh for safety.

- Height range adjustable
- 100% waterproof & frostproof
- High loading capacity - supports loads in excess of 1000kg per pedestal
- Easy access services running in cavity below
- System allows for simple, fast removal of rain water

- Extremely sustainable - manufactured from 78% recycled PPC and 100% recyclable
- Sizes, cut to size, up to 1200 x 1200mm
- Pedestal spacing options allow for all complex layouts, abutments, penetrations and edge details
- All positions are lockable by special patented key
FORMATS & SIZES

SQUARE FORMAT
For Domus Floor+ Systems, 1200 x 1200mm square formats are now available, offering unique tiling possibilities compared to the traditional 600 x 600mm formats commonly used with raised floor systems. Without the 600 x 600mm limitations, Domus Floor+ Systems offer the same design choices and possibilities as those of a traditionally tiled, non-system floor.

RECTANGULAR FORMAT
Domus Floor+ Systems’ unique production method allows for rectangular formats in 3000 x 1000mm to be utilised, providing many more design options than the traditional 600 x 600mm square panel.

LIGHTWEIGHT PORCELAIN SLAB
Conceived to revolutionise the scale and convenience of tiling projects, its robust lightweight nature makes these slabs a compelling option for architects and designers.

Lighter than aluminium, more resistant than stone and at only 3.5mm thickness, the slab provides a vast selection of format options from its 3000 x 1000mm production size.

Size = 3000 x 1000mm
Thickness = 3.5mm
Weight = 7kg/sqm

PORCELAIN TILES
Size = up to 1800 x 800mm
Thickness = 10–14mm
Weight = 21–25kg/sqm

TILE SPECIFICATION

LIGHTWEIGHT PORCELAIN SLAB

PORCELAIN TILE

Domus Flow 2.0 Porcelain Stone
Rectangular Format

Domus Globe Porcelain Stone
Square Format
Domus Floor+ Systems benefit from a definitive portfolio of Porcelain tile and Technical stone finishes where striking design and technical excellence combine to create superior architectural surfaces and textures.

From luxurious polished stones to smooth, natural and subtly grained options to heavily structured, bush-hammered textures that are perfect for anti-slip environments, there is a finish to meet every project requirement.

All finishes are manufactured to exacting standards and tested to industry specifications. Exceptional durability, versatility and easy maintenance come as standard.
Lighter than aluminium, more resistant than stone and at only 3.5mm thickness, Kerlite is a revolutionary and compelling option for architects and designers and provides a unique and highly effective solution for Domus Floor+ Advanced Floor Systems.

With a wide selection of colours and surface detailing (above), and from its 3000 x 1000mm slab production size, Kerlite’s colour and format options are vast. Shown is a small selection of the Lightweight Porcelain Slab colours. There is an extensive range with over 50 colours available.

Domus Technical & Natural Stone is at the cutting edge of hard surface technology. A high quality, high performance engineered stone made from crushed marble, quartz or granite – high quality recycled raw materials bound in resin providing superior colour consistency, easy maintenance and exceptional durability.

Domus Technical & Natural Stone colours range from the brightest of whites to the boldest of blacks. Above is a small selection of the Technical Stone offering.
Porcelain: A high performance material that is harder than granite, exceptionally durable, stain and scratch resistant and easy to maintain.

Here is an example of the various shades and surface detailing available, separated into warm and cool tones. In total, there are over 100 porcelain ranges to choose from.

**PORCELAIN, WARM TONES**

**PORCELAIN, COOL TONES**
DESIGN ADVICE
Our design team has extensive experience on all types of projects from shopping centres to sports and leisure stadia, hotel and residential developments to offices and public buildings. We can advise and design the correct Domus Floor+ System for your project and produce full PSA MOB test reports from a UKAS accredited independent testing house.

Domus provides a fully-resourced technical design service using CAD technology for floor layouts. With specialist template, and utilizing CNC water jet and CNC wet-cut technology, Domus materials are crafted into superior high quality designed solutions for any project application.

MAINTENANCE
Maintenance and care information is available to ensure long term performance and a long lasting Raised Access Floor solution.

SPECIFICATION SUPPORT
Our technical team can help with special pieces and unusual shapes, fixing and installation advice and specialist layouts and applications. Plus, we can create HBS M40 and K41 building specification documentation for materials and installation advice for major projects.

PROJECT MANAGEMENT
To assist with costing, our estimating team is experienced in processing special project pricing and tendering information.

Our friendly and efficient contracts team ensures you benefit from smooth project management and accurate, timely deliveries.