



BATES INTERIOR SOLUTIONS (PTY) LTD

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Architectural finishes from





Your vision starts with a Kingspan finish

By combining all of the practicality of a raised access floor system with high quality aesthetics, the new Kingspan Finishes range incorporates a variety of Integrated, Bonded and Overlay options that have been designed to deliver the ultimate in flexible flooring solutions without compromising on architectural intent.

Whether you are looking for a stone, timber or resilient floor solution, we have sourced materials from the leading manufacturers around the world; including terrazzo and porcelain from Italy and Spain, vinyls and HPLs from renowned brands including Polyflor, Nora and Tarkett. We have also developed the innovative Attiro magnetised, genuine oak engineered flooring system.

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STONWORKS

Fine Stone Collection from **Kingspan**

Elegant.
Durable.
Beautiful.

Complete your vision with a stone finish.

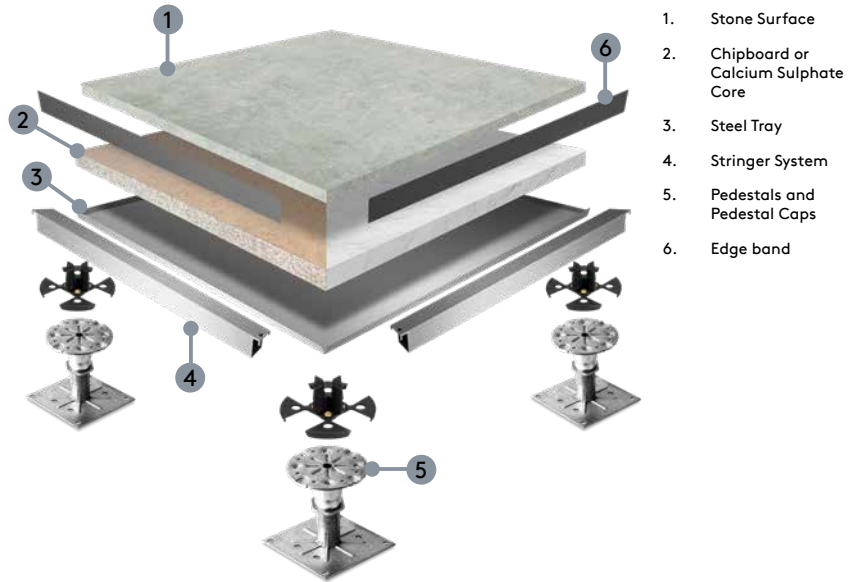
Whether it's a sparkling terrazzo or an understated concrete finish, stone floors make an instant visual impact in any commercial interior space.

Our comprehensive stone collection is designed to combine aesthetic excellence with swift void access - architectural intent need never again be sacrificed in the pursuit of designing the perfect functional office environment. Flexibility is paramount, with three different finish applications, all of which take raised access floors from Kingspan to the next level.

Bonded Stone Finishes

Our Bonded Stone collection combines the outstanding visual appeal of a stone floor with the flexibility of a high-performance access floor panel.

With a wide array of final floor finish options including multi-tile designs, various styles, colours and surface textures, there are numerous alternatives to help achieve the right aesthetic for your project.



Terrazzo

Durable, decorative and hard-wearing.

A modern composite material with infinite possibilities that is produced using high quality raw materials and without any chemical substances.

Cement and marble chips (sourced from Italian quarries) are transformed into a durable and long-lasting material that becomes a real focal point in any workspace.



Porcelain

Strong, versatile and beautiful.

Renowned for its flexibility and aesthetic versatility, Porcelain is a perfect hard-wearing choice for flooring in high footfall areas.

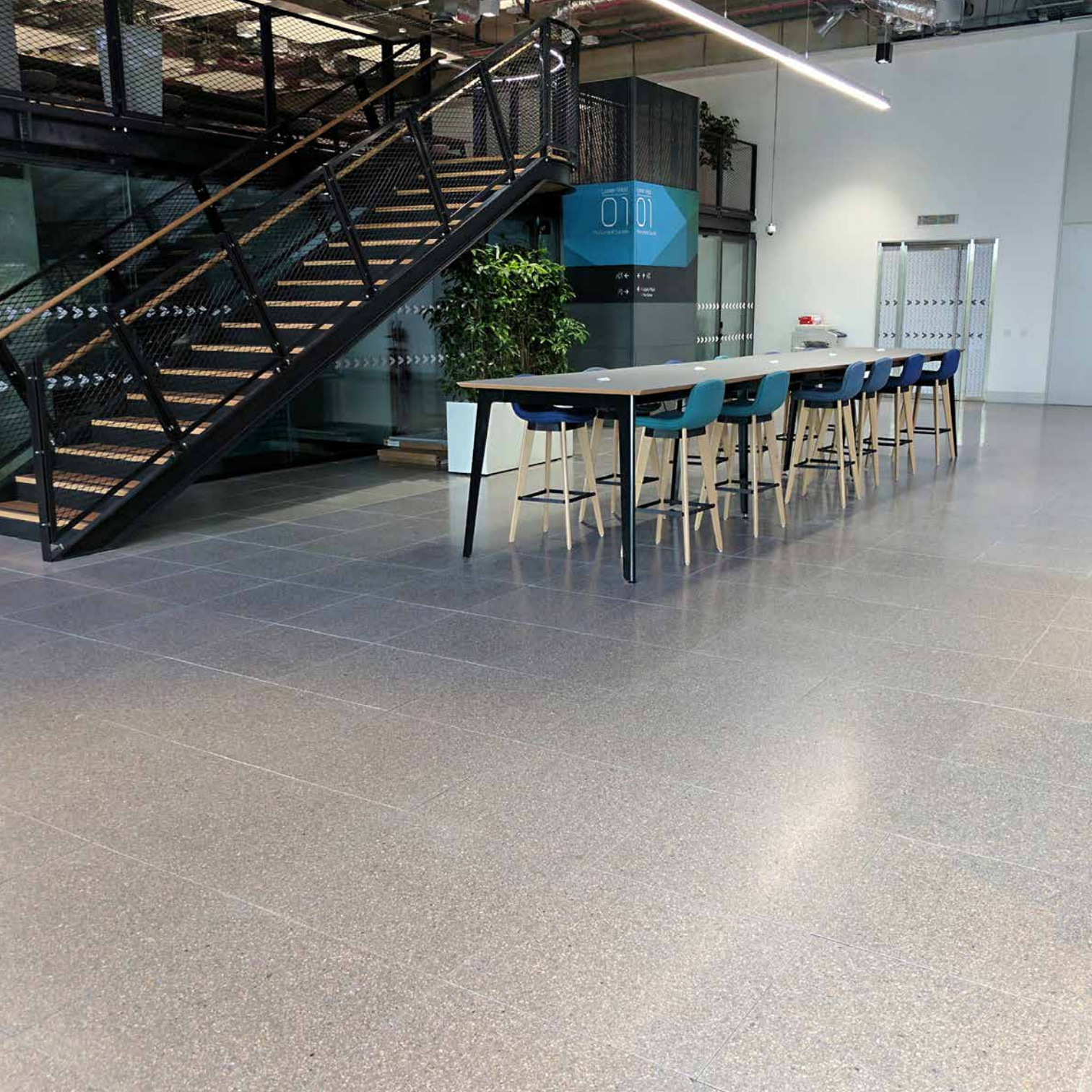
Offering many variations and colour options, please request further details if you are searching for something outside our standard ranges.



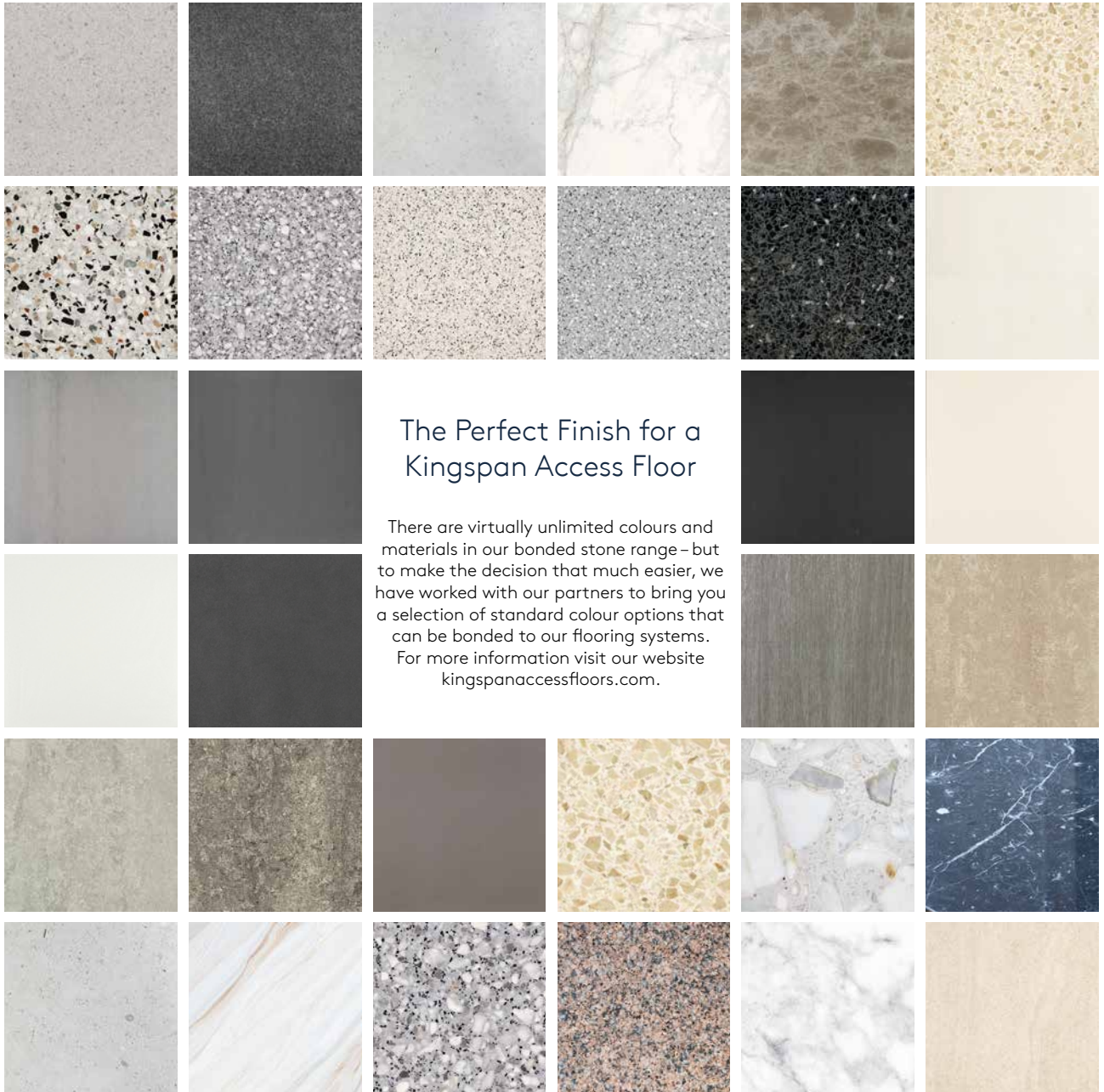
Natural Stone

Bringing the beauty of natural rock.

For high-end environments that require natural stone products we are able to source and supply granite, limestone, quartz and marble products from Italy. These are bonded to calcium sulphate or chipboard cores bringing the strength and beauty of natural stone to the most exquisite commercial buildings.







Integrated Stone Finishes

Our integrated stone panels combine aesthetic and structural integrity into one completely engineered flooring system. With a range of decorative finishes, the concrete access floor panels are manufactured in one-piece from a cement and aggregate mix that provides the stability for the rigours of everyday office environments.

Style and Versatility

The Classic and Decorative Concrete access floor systems offer the ultimate combination of appearance and functionality. The Integrated concrete range includes a range of colour options: Classic Concrete and Decorative Concrete in 'Limestone', 'Hay', 'Camel' and 'Midnight'.

Natural Variation

All stone products contain some degree of variation, which enhances the natural look of the finish. This variation comes from differences in colour or aggregate distribution.

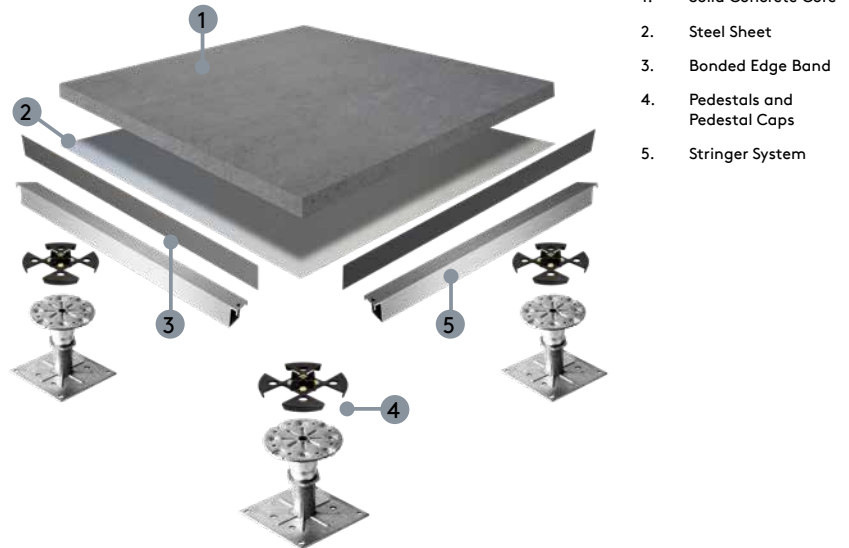
Our stone finishes contain several products that fall into one of three categories:

V1 is slight variation

V2 is moderate variation

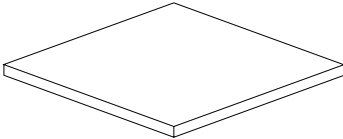
V3 is substantial variation

Classic and decorative concrete panels are V2.

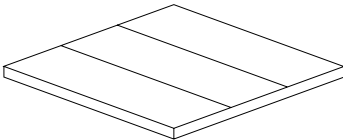


Designed for Business

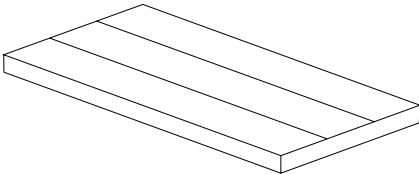
We've carefully chosen every type of stone to enhance the natural look of your floor. We offer various layout options depending on your chosen stone type. Our Porcelain range is available as a full 600 x 600mm panel or in a 3-tile design at 600mm x 1200mm and 600mm x 600mm sizes.



Full panel 600 x 600mm



3-Tile panel 600 x 600mm



3-Tile panel 1200 x 600mm

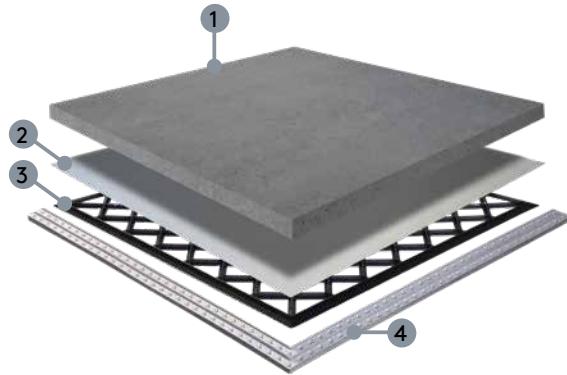




Overlay Stone Finishes

Modular ceramic finish.

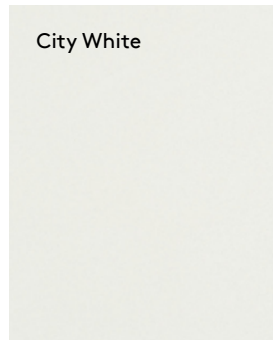
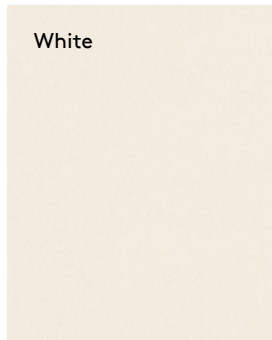
Introducing a unique and high quality modular porcelain floor system that can be dry installed in seconds without the use of adhesive and grout directly onto a raised access floor. This floor finish is developed for use in high transit and challenging commercial environments including airports, showrooms, offices and retail stores.



1. Porcelain (ceramic) Tile
2. Steel Sheet
3. Plastic Connector Grid
4. Rubber Connecting strip

Quick Installation And Easy Removal

The system allows for quick installation and easy removal and replacement of components, enabling flexibility to change floor layouts as required. Individual tiles can be lifted to provide access to the Kingspan flooring system which in turn provides full access to all sub-floor services with minimum disruption.





WOODCRAFT

Premium Natural Wood Collection from **Kingspan**.

Reliable.
Sustainable.
Contemporary.

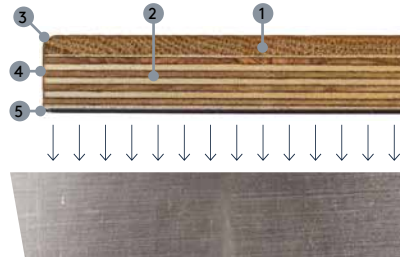
Genuine timber flooring.

The visual and acoustic impact that a genuine timber floor has on a commercial space is unsurpassed; wood delivers a warmth, comfort and quality that is coveted in all living environments.

WoodCraft from Kingspan provides the perfect blend of natural timbers with the practical, flexible features of an access floor. Whether it's the innovative overlay Attiro solution or fully bonded access floor panels, your choice of wooden flooring will create a long-lasting architectural finish to perfectly complement your commercial space.

Magnetically beautiful.

Attiro combines all of the beauty of engineered oak with all of the ease of an access flooring system. Representing a radical departure from the alternative bonded systems, with a magnetised Attiro system you can create a traditional-style wooden floor without comprising access to the underfloor void.



1. 4mm European solid oak veneer
2. Birch plywood
3. Micro bevel
4. Protective edge band
5. Magnetic base



Bespoke design assist

In conjunction with the Attiro solution, we offer an industry-leading bespoke Design Assist service. By engaging at the beginning of the project to develop a lay-out plan to fully realise your vision, we mitigate cost variances by providing accuracy, predictability and efficiency throughout the installation.

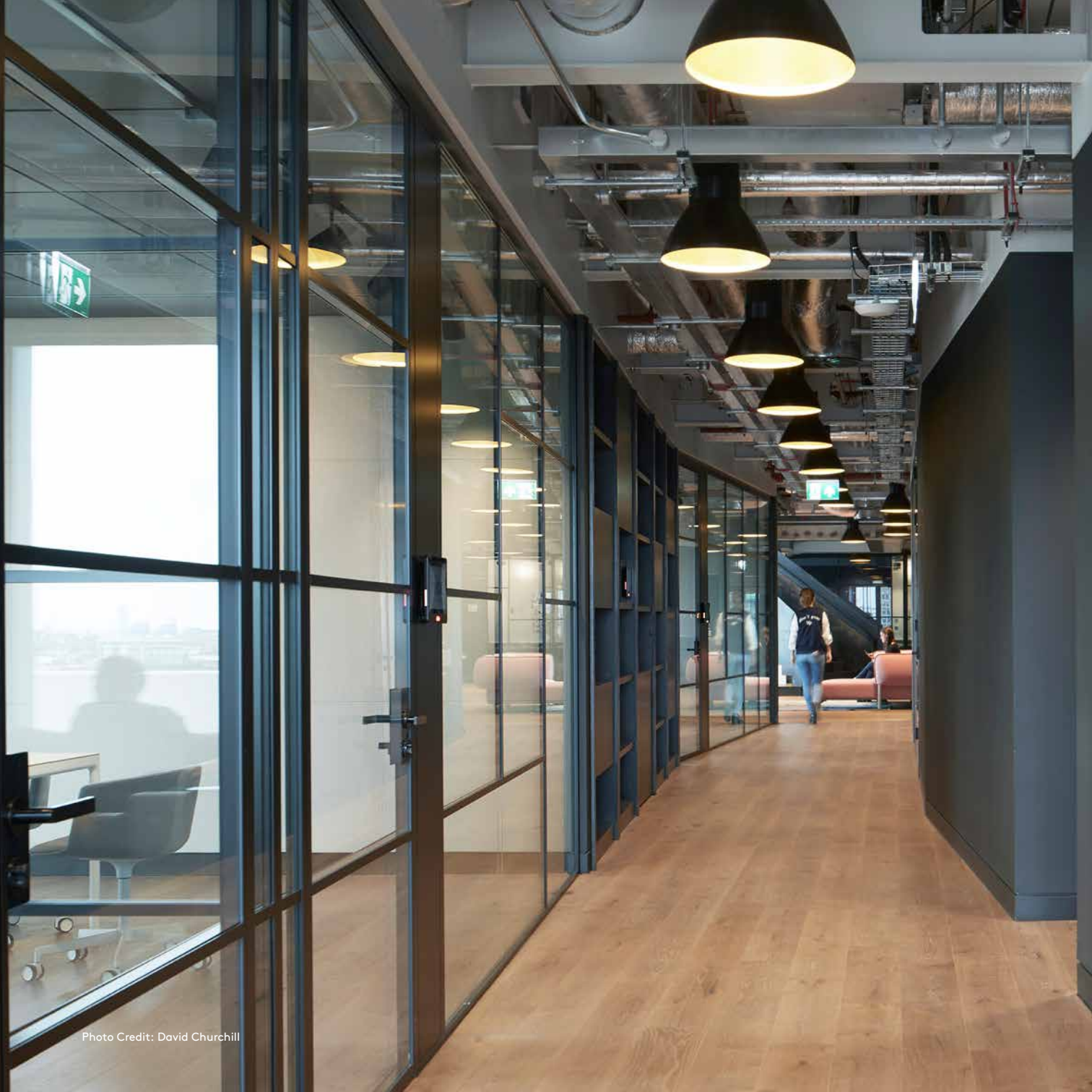


Fast and easy removal

Thanks to its pioneering use of a magnetic base, Attiro is quick and easy to remove. Using the Attiro lifting device, simply lift up any part of the floor in seconds to provide access to the raised floor solution beneath.

- Reconfigure desks, layouts and furniture easily
- Uncover and gain access to any part of the service void
- Easy lifting for quick access, slots back into place
- Works with any Kingspan steel encapsulated raised access flooring system
- Rapid stave replacement/repair





Extensive Choice

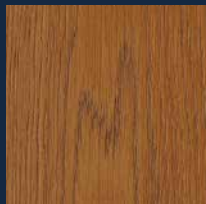
Attiro is lacquered in a hard wax oil finish and comes in a range of shades and finishes to suit any taste and interior – from deep, rich grains to crisp, clean whites. Featuring a 'Brushed' surface finish as standard, with alternative 'sawmill' and 'rustic hand scraped' finishes also available.



Bianco Palido



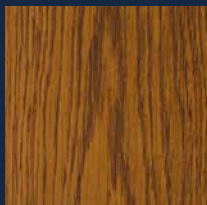
Bianco Plus



Castagno



Country Grigio



Dark Decapato



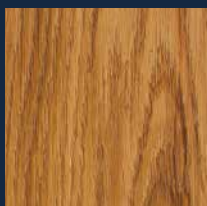
Decapato Bianco



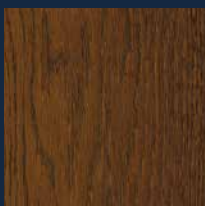
Fog



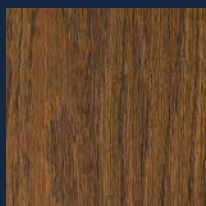
Fumè



Natural



Noce Scuro



Marrone Antico



Marrone Sbiancato



Sawmill Fog



Sawmill Fumè



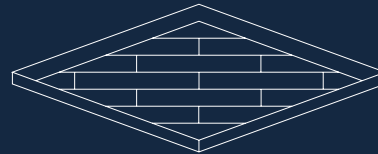
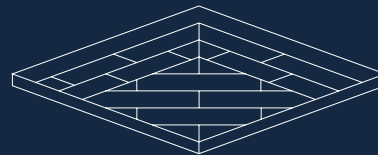
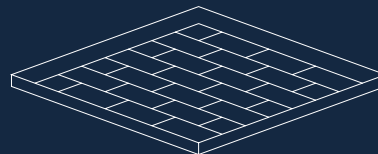
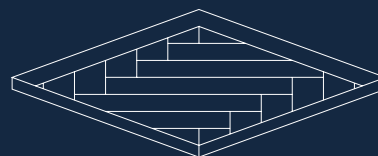
Sbiancato



Wenge

Eye Catching Layouts

With Attiro, you never have to compromise on style. Various layout options are available, including staggered joint layout, herringbone, border and diagonal running bond. A standard Attiro installation features random staggered joints using various lengths of Attiro. Bespoke column borders and skirtings can also be crafted.

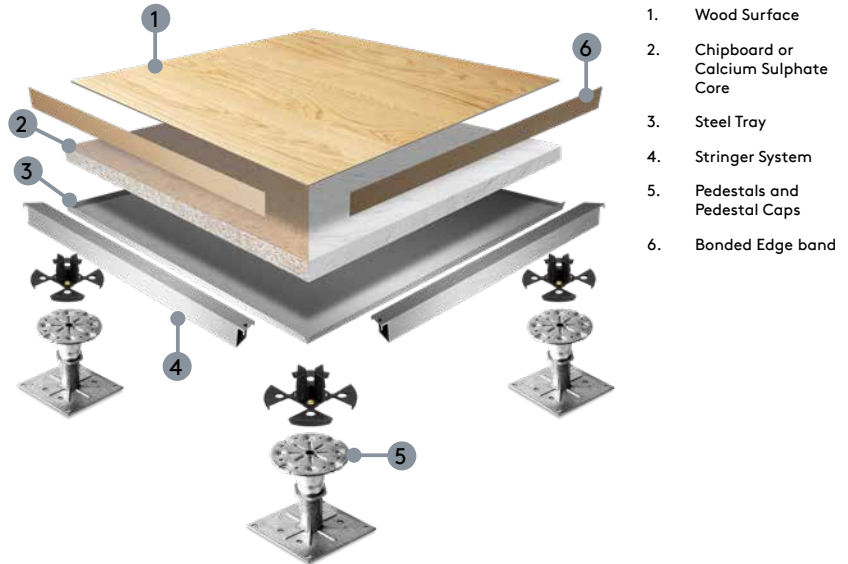


Attiro®

Innovation by Kingspan

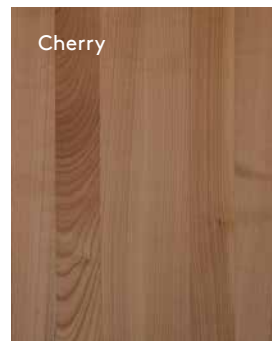
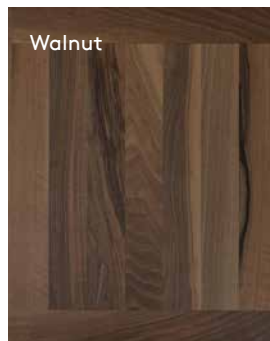
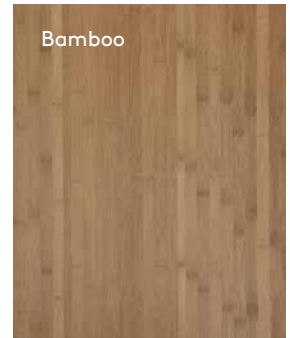
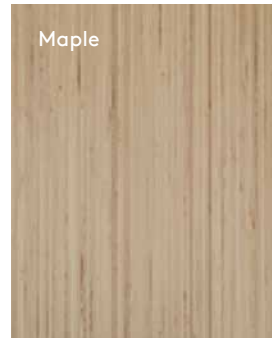
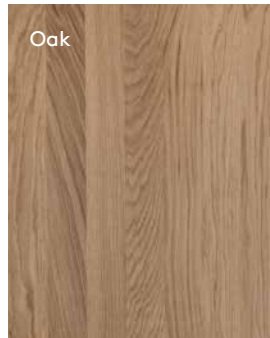
Bonded Wood Finishes

Our range of bonded wood finishes combines the structural performance of an access floor panel with a genuine timber finish. Offering a variety of species and pattern options, the bonded wooden access floor offers a versatile solution to enhance the look of any commercial application.



Taking Wood to the Next Level

Kingspan's standard range of wood-bonded panels comprise a reinforced steel base tray for additional strength, a high performance core (chipboard or calcium sulphate) which is factory bonded to the natural timber and finished with a protective edge-band. This creates a long-lasting architectural finish to perfectly complement your commercial space and allow for ease of access to the underfloor void.



Looking for something
a little different?

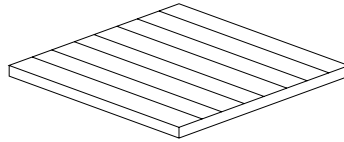
We can help, just get in touch.

+44 (0) 1482 781701

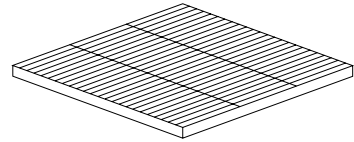
KAFinfo@kingspan.com

Multiple Design Options

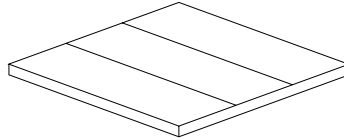
We offer several different options when it comes to the finish of your bonded wood floor. Our bonded wood finishes are available in three standard design options – Industrial slim, 8/9 plank and 3 plank – and can be manufactured to meet the desired loading capabilities of your project.



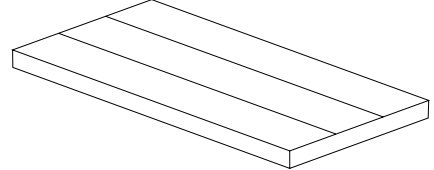
8/9-Plank 600 x 600mm



Industrial Slim 600 x 600mm

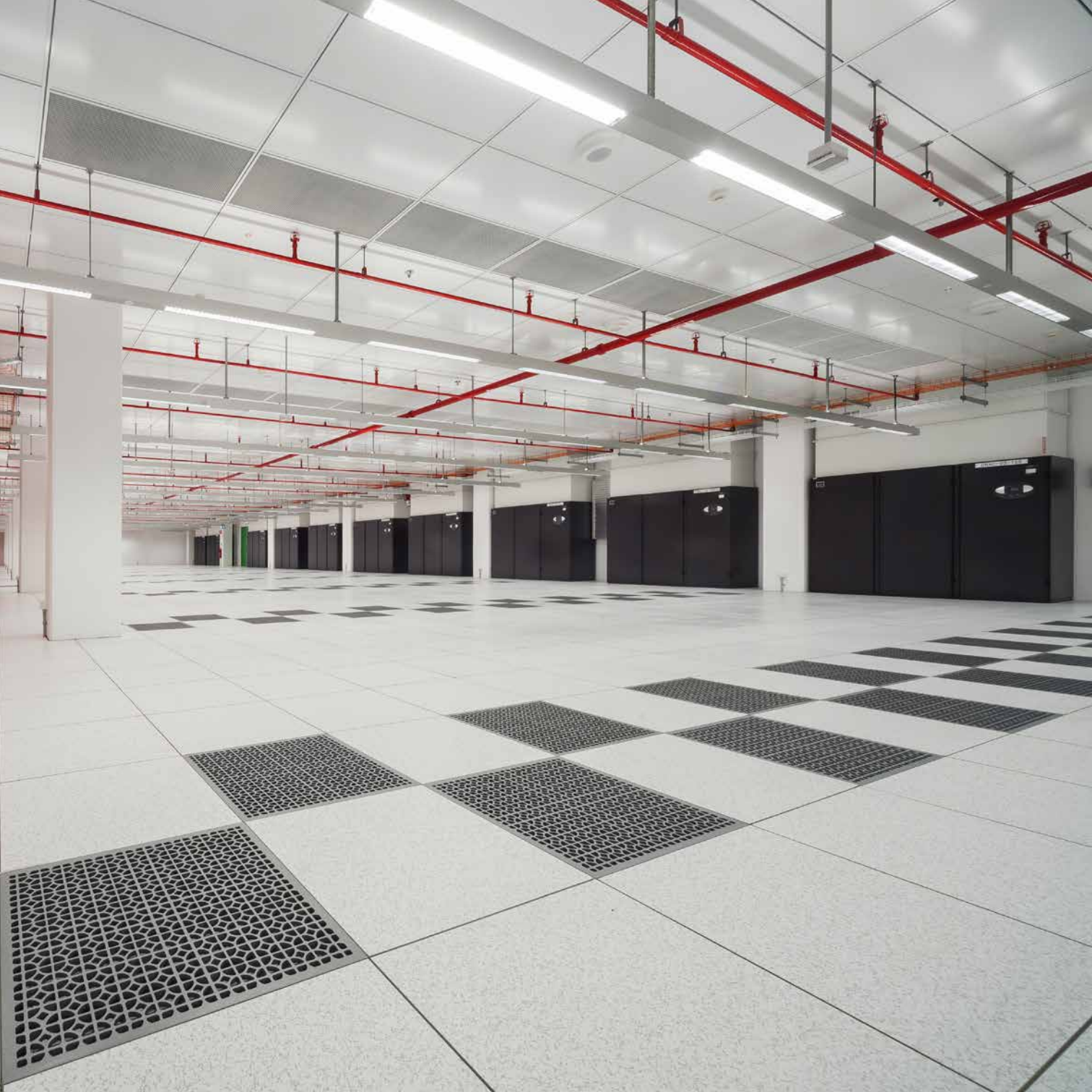


3-Plank 600 x 600mm



3-Plank 1200 x 600mm





RESILIENTS

Durable Solutions from **Kingspan**

Innovative.
Practical.
Tough.

**Bonded durable
floor finishes.**

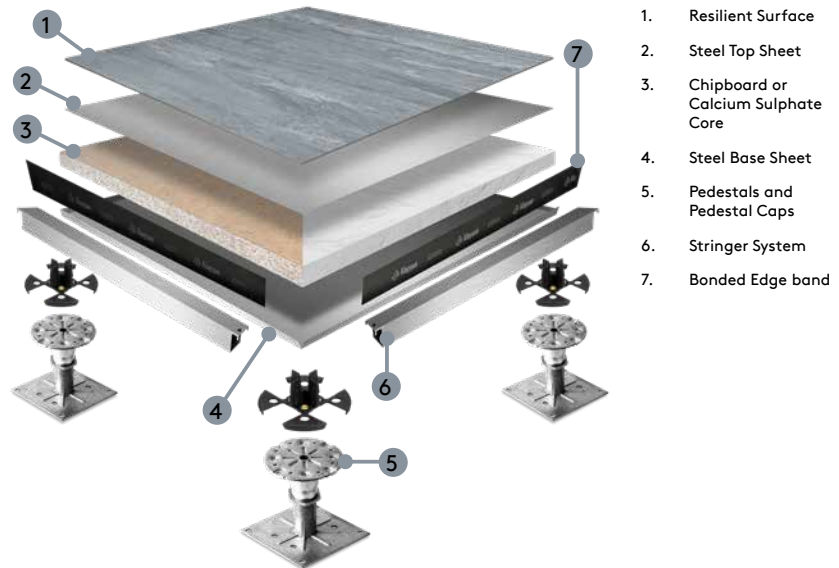
Where durability is the key consideration for an access floor solution, our Resilients range will undoubtedly provide the right surface for your project.

Leveraging our established supply chain we are able to provide laminate finishes from the leading suppliers across the UK and Europe to bring you a range of floor finishes to form a functional yet stylish access flooring solution.

Resilient Finishes

Where durability is the key consideration the Resilients range from Kingspan will provide the right surface for your project. Leveraging our established supply chain we are able to provide laminate finishes from the leading suppliers across the UK and Europe for a functional yet stylish access flooring solution.

With a multitude of colour and style options available across a wide variety of materials including High Pressure Laminate (HPL), Vinyl, Marmoleum, Linoleum, and Rubber, you no longer need to compromise between style and function.



Marmoleum

Natural & hard-wearing.

Marmoleum products are typically manufactured from natural, harvestable and sustainable raw materials. This durable, high quality and innovative material comes in a wide variety of designs and can be sourced from leading suppliers such as Forbo. Marmoleum can be provided to suit virtually any type of commercial application.



Linoleum

Durable & long-lasting.

Our Linoleum finishes are an environmentally friendly option, derived from renewable raw materials. Durable and perfect for heavy traffic areas, linoleum represents an affordable, long-lasting solution for many commercial, retail and public building applications. Linoleum is available from suppliers including Tarkett in a wide variety of alternative colourways and patterned finishes on request.



HPL

Impact & dent resistant.

High Pressure Laminate (HPL) is often used as an access floor finish in data centres where there is a high volume of electrical equipment, due to its intrinsic properties to dissipate static electricity. HPL finishes are typically sourced from Abet Laminati, and are bonded to the top face of the panel before being trimmed and edged ready for rapid installation on site.



Vinyl

Functional & cost effective.

Vinyl flooring is easy to maintain and ideal for busy communal spaces. Employing the expertise of suppliers including Polyflor, the vinyl floor finishes we offer combine high performance with optimum style. Our vinyl floor finishes feature a specially formulated polyurethane surface treatment and are available in two standard colour options to achieve a practical finish with strong aesthetic appeal.



Rubber

Sound dampening & fire retardant.

A premium rubber floor covering elevates interiors with unparalleled durability and versatile design. Our natural rubber floor finishes from Nora, demonstrate excellent strength, elasticity and resistance to temperature change. A rubber floor finish is suitable for very heavy footfall* and benefits from sound absorption and high fire-retardant properties.

* Refers to the wear of the finish only. Load performance dependent on installed Kingspan access floor system.



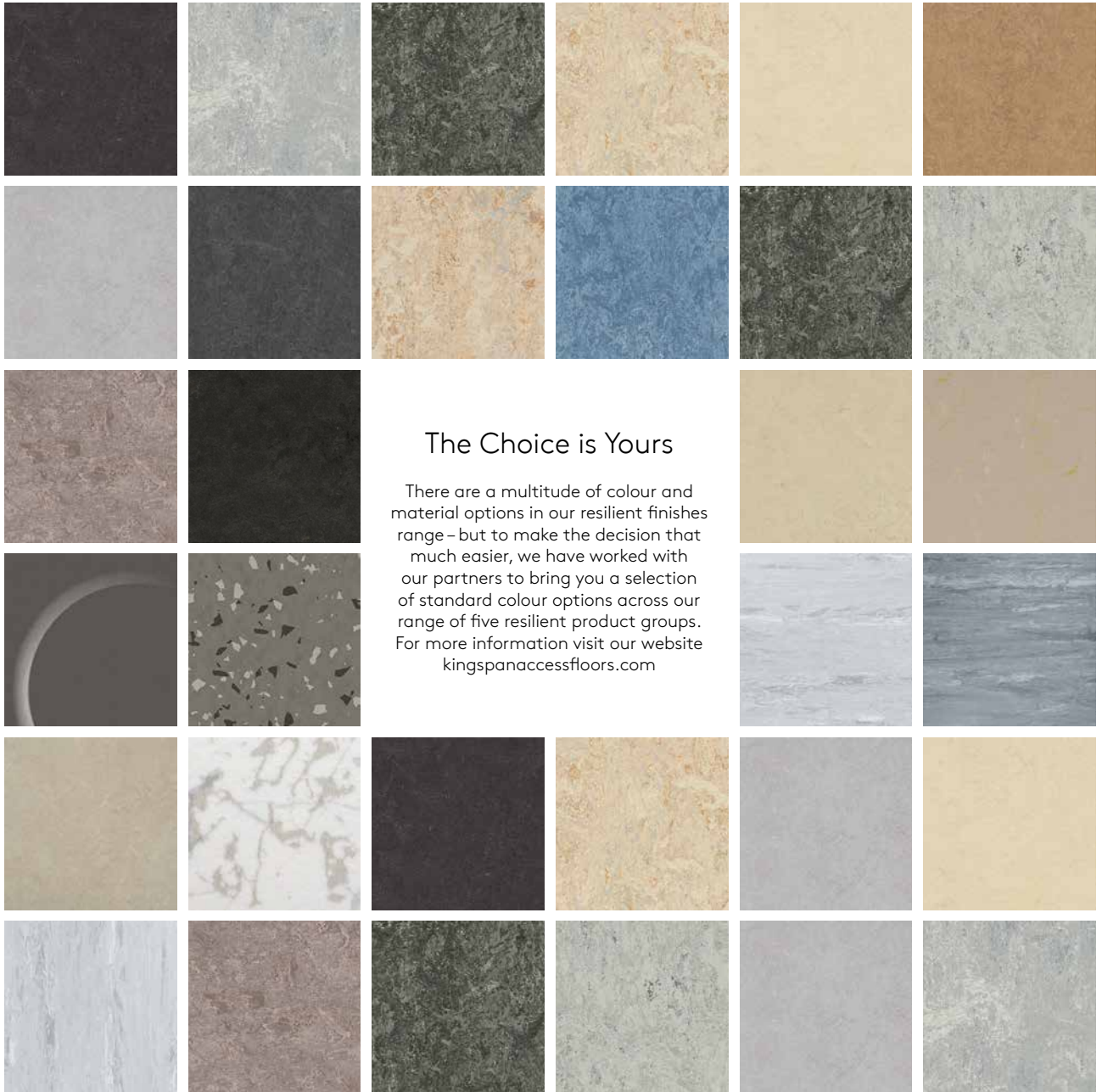
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Charge Lounge
Acuity
Patient & Family Exit
Clinical Decision
(CDU)
Acuity
Shock Trauma
Center

CAUTION
AUTOMATIC
CAUTION
DOOR

1

Clinical Decision
Unit (CDU)
High Acuity
The Smith Level I
Shock Trauma
Center



Custom Finishes & Designs

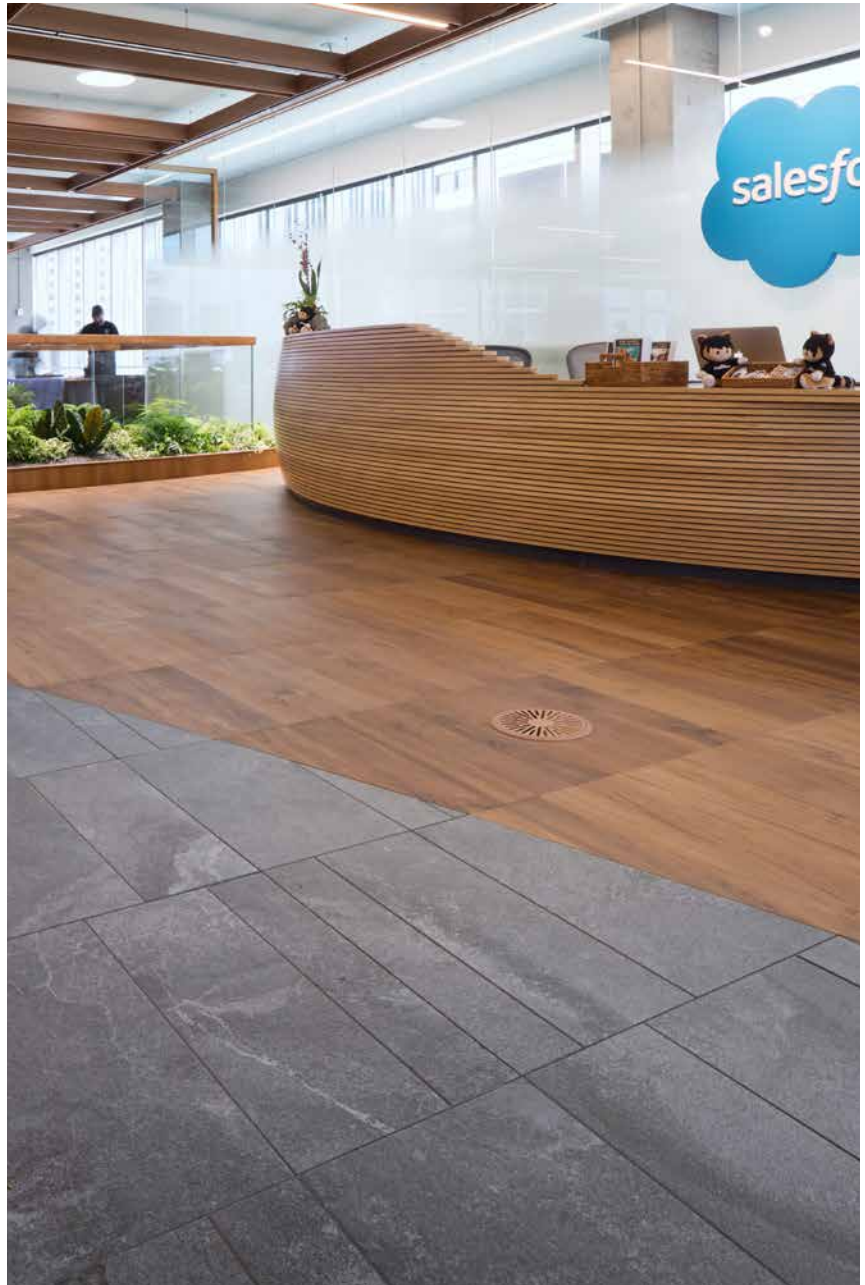
Tailor your project even further with a custom architectural finish. Increased design aesthetic and transition capabilities allow for more raised access floor finish options than ever before, to help you truly capture your project's unique style.

Style and performance together.

- Designed to transition from one finish to another
- Allows for multiple finishes across a single access floor panel
- Customised inlays and designs
- Maintains easy access to the underfloor void and all the benefits of a raised access floor

Looking for something
a little different?
We can help, just get in touch.

+44 (0) 1482 781701
KAFinfo@kingspan.com





Transition panels.

Whether you want to move between two finishes using full panels on either side of the transition line or a curved transition that occurs on a single panel, we can help you achieve your desired aesthetic. We offer customised design assistance with our in-house design team to ensure you capture the exact look you or your client wants.

Multipiece elements.

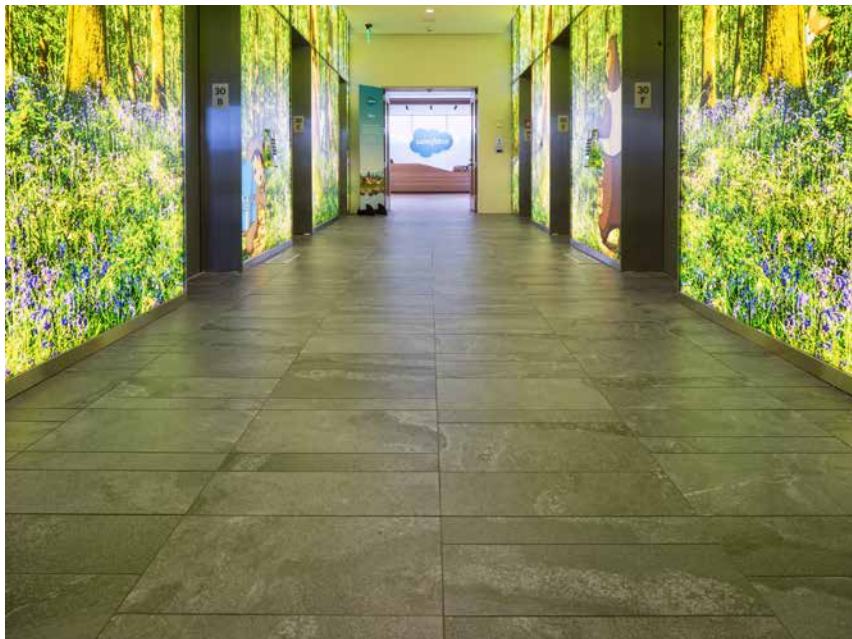
Our multipiece design elements incorporate multiple pieces of porcelain of any aesthetic and colour combination on a single panel. Each piece of porcelain is individually edge banded to create a unique look that helps blend the access floor to form a custom tiled surface.

Inlay designs.

Including an inlay in your access floor finish is a great way of truly personalising your project's look. Creative designs and customised finish combinations, all of which are crafted in our cutting-edge manufacturing facilities, are another exciting way to bring your project to life.

Custom designs for your application.

Custom finishes and designs are produced uniquely to your specific applications. To discuss your ideas and find out how to incorporate custom panels for your project, for technical information regarding, or to request a sample, please speak to our Architectural Finishes design team.



Any Specification. Every Building.

Raised access floors are the most cost effective way of creating a flexible working environment by utilising the floor void to manage the distribution of M&E services and HVAC systems. Easy access to the underfloor area allows for greater design flexibility, faster construction, workspace reconfiguration and rapid repairs.

Our PSA Steel Encapsulated Range

The PSA standard is the de-facto reference for the UK construction sector, as its stringent full-system compliance metrics are clearly defined, straightforward and well understood by architects, specifiers and contractors.

There are four UK classifications for load carrying capability: Light Grade, Medium Grade, Heavy Grade and Extra Heavy Grade.

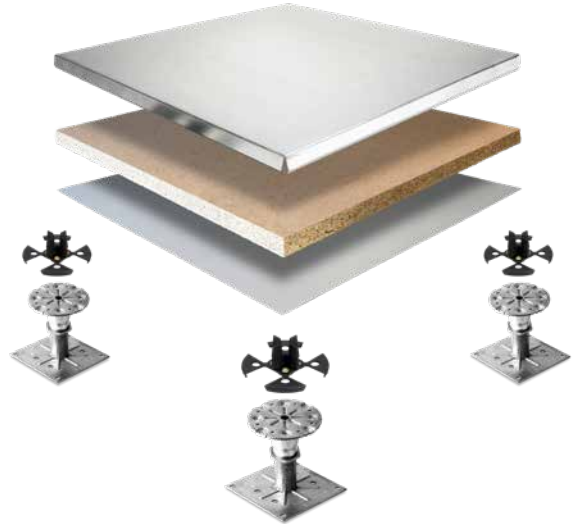
Each 600mm x 600mm panel in our range consists of a high performance particle board core that is encapsulated by a galvanised steel shell. The panel is then mechanically stitched to provide greater structural strength.

The Perfect Platform

The steel encapsulated outer surface is also the perfect attraction for the Attiro Real Oak Magnetic System and the ideal surface for Overlay Stone.

PSA Light Grade RLG600

Typically for light office use.



Simplex Screw Down

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still providing full access to the floor void.



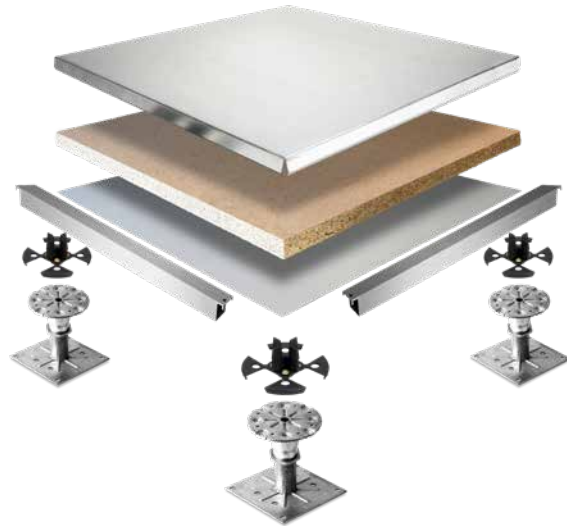
PSA Medium Grade
RMG600

Typically for general office use.



PSA Heavy & Extra Heavy Grade
RHG600 & RHG_X

Typically for heavy and extra heavy office use.





Bloomberg, An Iconic London Building

Bloomberg's European Headquarters in the heart of London provides office space for Bloomberg's 4000 London based employees. Located between the Bank of England and St Paul's Cathedral the building was conceived together by Mike Bloomberg and Lord Norman Foster of Foster + Partners and delivered by Sir Robert McAlpine and Stanhope plc.

The Project

The completion of this iconic, high specification building marks the culmination of years of planning and development for both Bloomberg, its partners and Kingspan Access Floors.

Set in a 3.2 acre site, the development displays architectural innovation, artistic flair and historical references whilst delivering 98.5% score against the BREEAM sustainability assessment method: the highest design-stage score ever achieved by any major office development.

The installation of 37,000m² of Kingspan raised access flooring and 34,000m² of Kingspan Attiro real wood engineered floor covering is a landmark project for Kingspan Access Floors. The combined systems allow quick and easy access to the steel encapsulated floor panels and the underfloor void.

Location	Cannon St, London
System size	37,000m ²
Floor finish	34,000m ²
Product	Bespoke Attiro Magnetic Real Oak Overlay Flooring
Contractor	Sir Robert McAlpine
Project manager	Stanhope plc



John Hopkins University, Malone Hall

Malone Hall is a recently completed addition to the Johns Hopkins University campus. The building is designed to be a centre of networking and collaborative research excellence. The four-storey, 6,500m². building located on the University's Homewood Campus, offers a sleek, stylish, open floor design. The development comprises of four floors including a computer lab, office and collaboration spaces, and wet research labs.

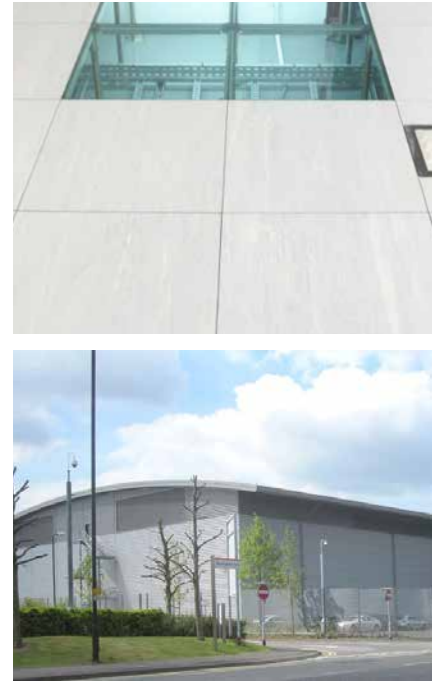
The Project

Glass doors and luxurious wooden hallways sit beautifully with the polished sheen of a stunning terrazzo finish, part of the Stoneworks range of advanced architectural finishes from Kingspan.

Layout flexibility provided by raised access flooring, as well as a resistant finish that is both attractive and hard-wearing were crucial for the development. The decision to incorporate a raised access floor with an advanced architectural finish was also informed by sustainability goals.

The project is currently seeking LEED Gold certification, in recognition of sustainable design elements. These include an underfloor air distribution system, radiant heating, a heat recirculation system, energy recovery systems, LED lighting, daylight harvesting and sub-metering of power and other building utilities.

Location	Baltimore, USA
System size	6,500m ²
Floor finish	4,100m ²
Product	Bonded stone Terrazzo
Contractor	Whiting Turner Contracting
Project manager	James Posley Associated, Inc.



Equinix LD5, A State-Of-The-Art Data Centre

Located in Slough, Equinix LD5 is one of the state-of-the-art International Business Exchange (IBX) centres in the UK. It offers a full range of premium co-location, interconnection and support services to a wide range of secure digital ecosystems.

The Project

We installed over 6,000m² of FDEB_H heavy grade panels throughout the data centre to support tonnes of server equipment and many miles of cabling. With a High Pressure Laminate finish, the 600mm anti-static panels have a 4.5kN point load capacity.

Inside the data halls containing customer servers, cooling is provided through the flooring system and through the walls, which ensures that space in the data halls is maximised and used in an efficient manner.

Location	Slough
System size	6,000m ²
Floor finish	6,000m ²
Product	FDEB_H with High Pressure Laminate

Find out more about our comprehensive [Data Centre product range](#) including; Containment, Airflow and Ceilings at kingspanaccessfloors.com



US Census Bureau

The US Census Bureau's headquarters is usually home to 2,000 employees, but the Bureau has a very unique problem every ten years, where the number of workers housed in the building triples. The design of the building had to both absorb this influx of additional employees, as well as help it earn a LEED Silver rating.

The Project

From the visually striking presence of its sun repelling façade to the inclusion of advanced architectural finishes, including bonded wood, vinyl and terrazzo within facilities including a library, dining hall, offices and gymnasium, the new €287 million structure succeeds in attracting the best of US analytical talent

Incorporating a raised access floor delivers on the promise of flexibility and a fully modular work space. The use of an access floor makes it possible to reconfigure office space for both reorganisation and when staff numbers increase.

Using raised access floors increased day lighting with the elimination of larger overhead space, improved indoor air quality through the use of an underfloor air distribution (UFAD) system, and through the use of recycled content in our integrated concrete panels.

Location	Baltimore, USA
System size	140,000m ²
Floor finish	92,000m ²
Product	Bonded Wood Resilients Vinyl Bonded stone Terrazzo
Contractor	Skanska USA, Inc.
Project manager	Southland Industries, Inc.

Committed to the Environment

At Kingspan Access Floors, we're constantly striving for sustainability. We're absolutely committed to minimising our impact on the natural environment, which in turn helps you, our customer in your environmental commitment.

Recycling Waste

Since 2014 Kingspan Access Floors has sent ZERO waste to landfill. Waste steel panels and off cuts are shredded on site in Hull and recycled within the manufacturing process. We compact general waste and recycle cardboard, metal and vinyl waste. Furthermore, pallets and chipboard are reprocessed or turned into biofuel.

Net Zero Energy

We are committed to renewable energy, which is why we installed 1,000 photovoltaic solar panels at our UK manufacturing site to help us achieve net zero energy by 2020. The installation is producing about 200kW of electricity a year. We've installed biomass boilers that use our waste chipboard and provide 98 per cent of all our heating needs.

What's more, no water is used in our manufacturing processes, ensuring we are not taking water that can be used elsewhere.

Low Emission Vehicles

All shipments of Kingspan access flooring are delivered to you in low emission vehicles. What's more all of our company cars produce less than 130g/km CO₂ emissions.



Global Movement to Reduce Greenhouse Gas Emissions

We have joined over 370 companies, across the world in a commitment to the Science Based Targets Initiative (SBTi) to reduce greenhouse gas (GHG) emissions worldwide.

The initiative is the result of a partnership between the World Resource Institute, the World Wildlife Fund, CDP (formerly the Carbon Disclosure Project) and the United Nations Global Compact which looks to support companies across the world to do their part in tackling the worst impacts of climate change by supporting them to determine how much they must cut their emissions by. For Kingspan, this means a 10% reduction in emissions by 2025, off the base year of 2017. This isn't the only target set for 2025, Kingspan is also committing to reduce its absolute emissions from purchased goods and services, business travel, transport and distribution, and end-of-life treatment of sold products by 10%.

FSC® Accredited since 2007

To demonstrate just how serious we are about good forest management, we were the first raised access flooring company in the world to obtain the Forestry Stewardship Council® (FSC) Chain of Custody certified in 2007, which we have maintained to this day.

You'll find the exact volume of FSC approved materials used on all of our delivery notes and invoices, giving you assurance that we are not putting our natural heritage at risk and helping you support responsible forest management.



The Role Of Underfloor Air Plenums In 'Healthy Buildings'

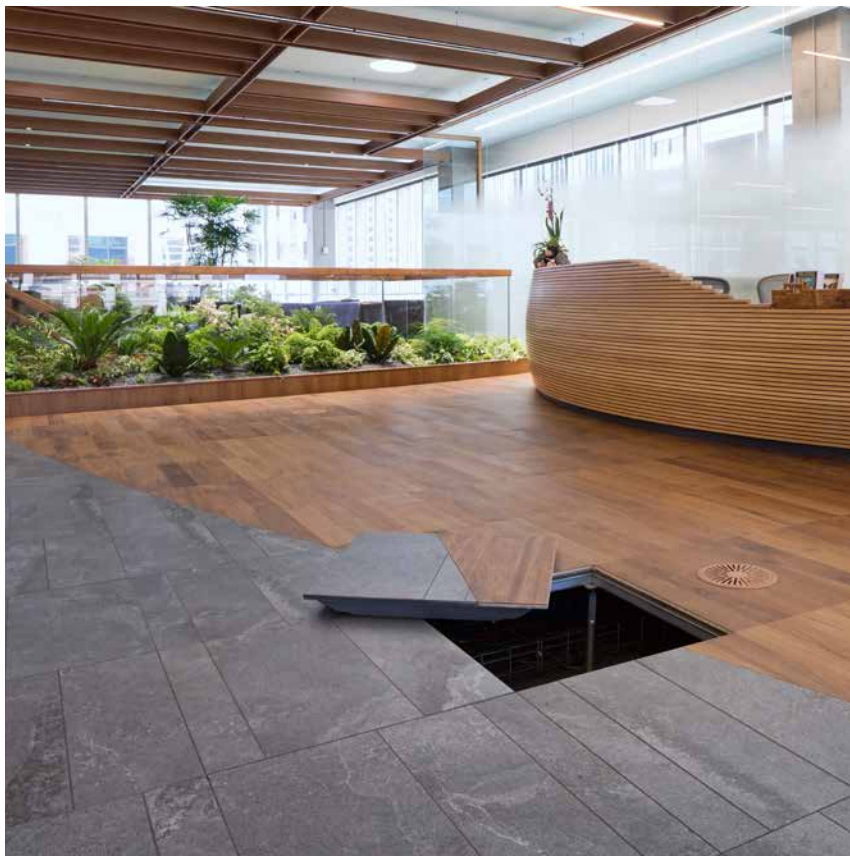
We spend around 90 percent of our working life indoors, where pollutant levels are often higher than those outside or at home. It follows that the quality of indoor air in offices is a key consideration in new commercial construction projects worldwide.

A healthy building is designed to improve and protect occupant wellbeing. Healthy building design doesn't just look at minimising negative impacts on the environment, but instead looks to maximise the positive health and wellbeing impacts that buildings can have on occupants.

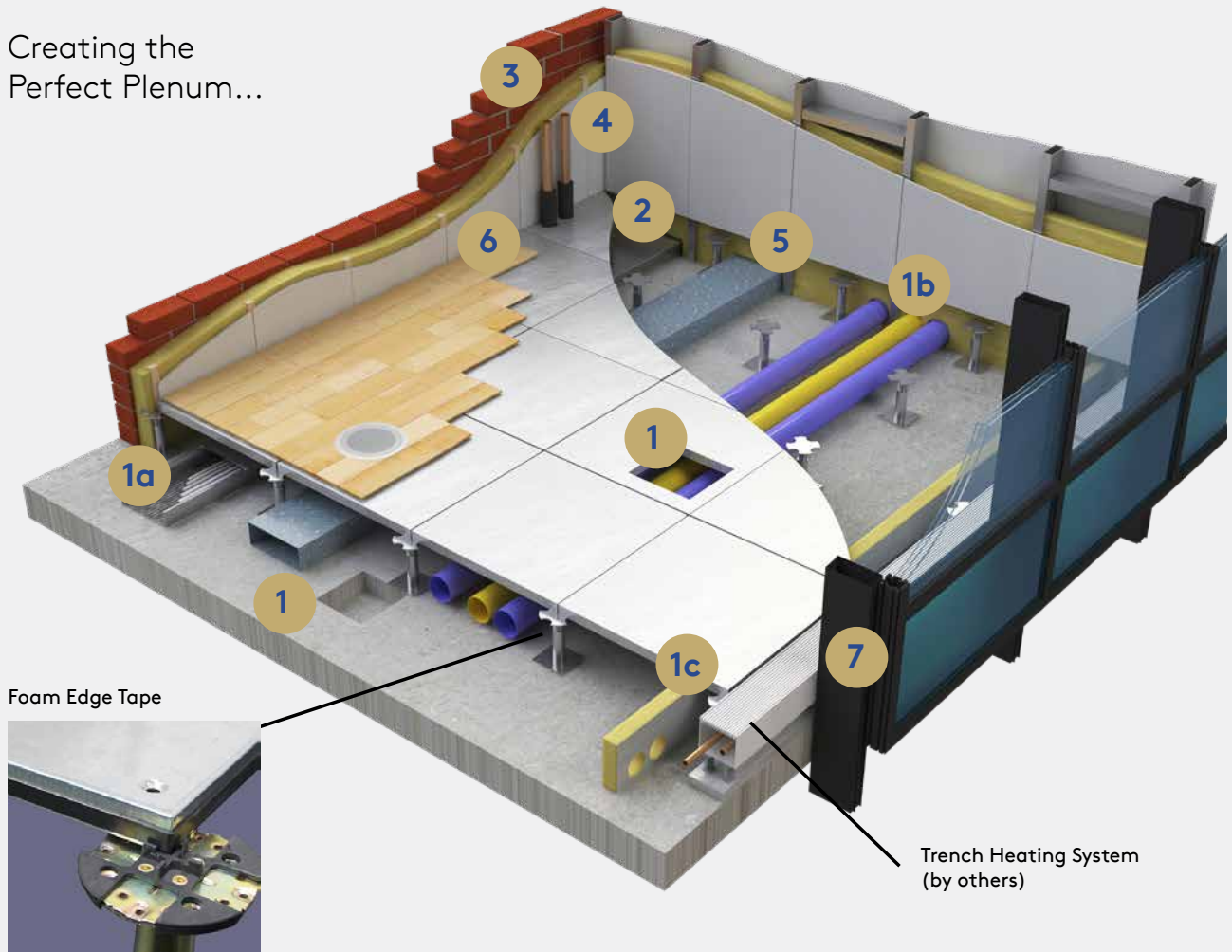
Benefits

There are a number of advantages for architects and specifiers when choosing a raised access floor incorporating an underfloor air plenum:

- Improved ventilation efficiency and indoor air quality by delivering fresh supply air at floor level or near the occupant.
- Reduced energy use with cooling energy savings of up to 20%.
- Significantly reduced life-cycle building costs due to reduced expenses associated with occupant 'churn' or changing interiors.
- Reduced floor-to-floor height in new construction by reducing the overall height of the service plenum.
- Improved productivity and health of occupants.



Creating the Perfect Plenum...



Foam Edge Tape

In order to create an effective air plenum, all utility penetrations and perimeter joints must be properly sealed. An evaluation of the following areas/components that can typically create inefficiencies should be undertaken during the early design phases:

1. Penetrations through the access floor, walls and subfloor including
 - a. Cable bundles and cable trays
 - b. Pipes
 - c. Fire/plenum barriers

2. Cable trunking – must be internally sealed within the void
3. Masonry work - incomplete or poorly jointed walls will result in greater air leakage
4. Risers need to be properly sealed for plenums/ducting
5. Plasterboard on studs at board edges and the ends below the raised floor level
6. Gaps between compartment barriers, top of raised access floor and sub floor respectively
7. Gaps between any curtain walling/glazing

Want to order a sample?

Glossy pictures are great as a starting point in the creative process, but designers need to hold the products in their hand, see how they fit together, look at the colours and coatings in the hard light of day.

We are able to offer a quick turnaround of standard samples and can liaise with you for more bespoke requirements.

Free Sample Service

- Colour/material swatches
- Standard boxed samples
- 600 x 600 mock ups
- Swatches of special finishes

To request a sample or more information please speak to our Architectural Finishes design team

+44 (0) 1482 781701

KAFinfo@kingspan.com

or visit

kingspanaccessfloors.com



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please speak to our Architectural Finishes
design team



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