



# ARCHETECH

Turning Dreams into Reality

Issue 58 £4.99







# Great British Wood

**Support British woodlands  
by using British wood.**

We produce cladding, beams, flooring and sawn  
hardwood, all from locally grown timber.

01793 853 281 | [vastern.co.uk](http://vastern.co.uk) | [🐦 @VasternTimberUK](https://twitter.com/VasternTimberUK)





# ARCHETECH

Turning Dreams into Reality

## Main Features

Editor's Choice 9-26  
Education & Healthcare 27  
Coatings, Sealants & Paints 31  
Doors, Windows & Fittings 36-51  
Floors & Flooring 55-57  
Futurebuild Show Preview 58-60  
Heating, Ventilation & Insulation 61-63  
Interiors & Interior Design 67-79  
Landscaping & External Works 84-91  
Lighting & Electrical 94-97  
Roofing, Cladding & Facades 98-100  
Safety, Security & Fire Protection 101-105  
KBB Show Preview 106-108  
Editorial Highlights 109-111  
Surface Design Show Preview 114-115

## Case Studies

### THE JOURNEY OF THE SENSES - 6-8

Luxembourg Pavilion at World Expo - Dubai.

### ARCHITECTURE OF WINE - 12-13

Château Angéus has acquired a new winery in Libourne, France, finely designed by architect Eric Castagnotto from the firm Architecte DPLG.

### PIERREFONDS PUBLIC LIBRARY - 28-30

Winning proposal of an architectural competition; the new Pierrefonds Public Library embodies through its architecture the great changes occurring in the library science world.

### HHF ARCHITECTS - 32-35

A Mixed-use Wood Hybrid Building on Lake Lucerne.

### CLARIANT - 52-54

Shining a light on the potential of anodizing aluminum.

### FUTUREBUILD - 58-59

Futurebuild, the event that's championed a sustainable built environment for the past 16 years will take place from March 1 to 3, 2022, at the ExCeL London.

### RIBA - 64-65

Balkrishna Doshi to receive 2022 Royal Gold Medal for Architecture.

### BSPOKE 365 - 70-71

BSPOKE 365 gears up to become the go-to year-round digital community for architects and designers.

### GIRA - 72

Luxury living in Chelsea with Gira smart home solutions.

### SETTING THE SCENE - 74-77

74 designs new residential amenity spaces for Grainger at The Headline, Leeds.

### SPACEINVADER - 80-83

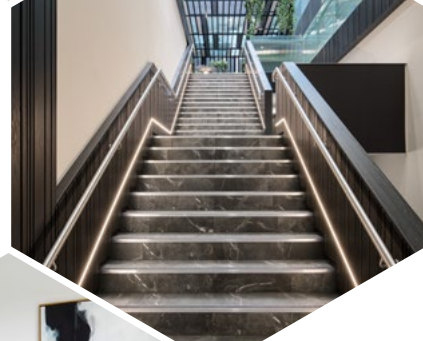
SpaceInvader transforms Manchester's One Piccadilly Gardens for Legal & General

### PRESTIGE UNIVERSITY - 92-93

Situated within a 32-acre university campus, the main administration offices, along with an auditorium, seminar halls, library & cafeteria, form the functions of this building.

### OFFICE LIGHTING - 96-97

Looking at lighting design as part of the bigger picture, Marketa Rypacek, Managing Director at Industville Ltd, understands that office lighting plays a vital role in improving the employee and customer experience.



# WHY CHOOSE A BBA APPROVED PRODUCT?



**PROVEN AND GUARANTEED FIT FOR PURPOSE**

**RIGOROUSLY TESTED AND VERIFIED**

**FACTORY BUILT QUALITY PROVIDING SIMPLIFIED INSTALLATION**

**SELECT WITH CONFIDENCE**

**FULLY RECYCLABLE, REDUCING ENVIRONMENTAL IMPACT**

T-T Pumps Planet range of Package Pumping Stations obtained BBA (British Board Agrément) accreditation back in 2006. This accreditation in conjunction with our in house manufacturing process, offering you arguably the most robust, reliable products of its kind on the market today.

**With over 6000+ units sold worldwide, since BBA accreditation T-T have not had a single recorded pumping station structural failure.**

With risk management being one of the top priorities on the construction agenda, you can be assured of a product that is truly proven as fit for purpose by choosing a T-T Planet range Package Pumping Station.

T-T maintain Professional Indemnity Insurance to a value of £5million a key factor for consideration when choosing a supplier of a key integral product for use within your project.

For all of your pumping station needs with a focus on both quality and reliability, contact the experts...



[ttpumps.com](http://ttpumps.com)

01630 647200



**Editor in Chief**  
Antony Holter - 0203 911 4067  
antony@archetech-media.co.uk

**Editor**  
Isabelle Hart - 0203 911 4067  
isabelle@archetechmag.co.uk

**Sales Director**  
Steve Hawkins - 0203 907 9165  
steve@archetech-media.co.uk

**Sales Manager**  
Eleanor Price - 01227 936 976  
eleanor@archetech-media.co.uk

**Digital Manager**  
Jamie Bullock - 01227 936971  
jamie@archetech-media.co.uk

**Editorial Assistant**  
Chris Nicholls - 0203 907 9161  
chris@archetech-media.co.uk

**Business Manager**  
Josh Holmes - 0203 911 4067  
josh@archetech-media.co.uk

**Publishing Director**  
Martin Holmes - 0203 911 4067  
martin@archetechmag.co.uk

**Accounts**  
Lauren Davis - 0203 911 4067  
lauren@archetechmag.co.uk

**Studio Designer**  
Richard Bland  
richard@archetech-media.co.uk

# ARCHETECH

Turning Dreams into Reality

The Archetech magazine is an insightful information source for Architects, Architectural Technologists and Interior Designers. We feature lead stories on current projects, industry news and case studies so that our readers have the opportunity to keep up to date in the ever changing world of architecture and design.

Archetech offers architectural and design services to all those who are initiating, planning and implementing projects. Whether you're an interior designer, architect, technologist, developer or builder who is searching for inspiration for the next project, Archetech hosts the latest products, case studies and services to meet those needs.

With sharp editorial content, a cutting-edge design approach and informative written style, our advertisers and readers alike can take confidence in our experience and ability in matching your product to the needs of the marketplace.

**Archetech Media Ltd**  
Tel: 020 3911 4067  
www.archetech.org.uk  
info@archetechmag.co.uk

Every effort is made to ensure the accuracy and reliability of material published in Archetech Magazine, however, the publishers accept no responsibility for the claims or opinions made by contributors, manufacturers or advertisers. No part of the publication may be reproduced or transmitted in any form or by any means, mechanical, electronic (including printing), recording or stored in any information retrieval system without the express prior written consent of the publisher.

## SUBSCRIBE NOW

### Digital Edition

SUBSCRIBE TO OUR ONLINE ISSUES FREE OF CHARGE

- Accessible anytime and anywhere on most electronic devices
- Receive the magazine by email as soon as each issue is released
- All issues are stored in an archive, so you can look back across every edition
- Now available on 3 major digital platforms: ISSUU, Joomag and Readly

### Printed Edition

- Free of charge for qualifying trade professionals
- Paid subscriptions are available, for non qualifying trade professionals



### HAVE YOU GOT A PROJECT YOU ARE PROUD OF?

If you've recently finished a project, conversion or renovation, why not submit it to our Editor in Chief for a chance to be featured in our next issue! Email [antony@archetech-media.co.uk](mailto:antony@archetech-media.co.uk) with details of your latest project.

Visit: [www.archetech.org.uk/subscribe](http://www.archetech.org.uk/subscribe)





# THE JOURNEY OF SENSES

## LUXEMBOURG PAVILION AT WORLD EXPO - DUBAI

The main inspiration for the pavilion design comes from Metaform Architects' desire to convey a true reflection of Luxembourg's past, present, and future, while also presenting the values of the country: small but ambitious, intriguing yet reassuring, and above all generous and open. What better inspiration than a Möbius strip, a loop, a single surface twisted with neither beginning nor end, symbolizing infinity and, most of all, the circular economy and diversity united as one.

One of the biggest challenges was to find a good flow for visitors to pass through quickly. A setback was thus created between the main walking street and the pavilion: the space and distance offer a clear perception of the whole.







*Scenography and architecture are complementary in the mission to merge people with the exhibition.*

Given that the visitor experience begins in the waiting line, Metaform designed a ramp as a welcoming red carpet, inviting people to discover the building, and guiding them along a continuous path that blurs the limits between the exterior and interior.

**HOW DO YOU MERGE USER EXPERIENCE, SCENOGRAPHY, AND ARCHITECTURE?**

Scenography and architecture are complementary in the mission to merge people with the exhibition. In a didactic, interactive, and intuitive way, different projections and animations display the country and its people. Collectively, it creates a continuous flux of images from start to finish for experiences on the top second floor. The ribbon becomes a multilayered scenography canvas, alternating floor, wall, and ceiling as means of expression.

The ground floor accommodates a storage area that is accessible from the back, as well as restrooms, a VIP suite, and an administration unit with visibility over the central area. There is also a restaurant with an open kitchen, and a gift shop oriented towards the front area.

The first floor, accessible directly from the main ramp, is a multi-functional space. To accommodate concerts, receptions, and conferences, the side door remains closed, and the ramp guides visitors along without causing disruptions. When hosting a temporary exhibition, the door serves as a barrier, with the indoor space becoming an intuitive part of the flow.







The second floor is the highest reaching point, and is dedicated to the space-themed exhibition. To reach the earth again, a slide down through the picturesque green patio concludes the journey in a fun and playful way.

The journey from the bottom to the top is continuous, but constantly changing. While moving between the inner and outer protective skins, the feeling of being in and out at the same time prevails. The proportion of the space constantly changes, giving a nod to the similar perceptual changes of Luxembourg City due to its very particular and unique landscape. A variety of parallel visual connections are created on different levels, and through different stages. Ambiances and moods shift instantaneously, sparking curiosity to learn more about the country.

One of the requirements was to complete the project using 70% reused or recycled materials, which was a challenge that Metaform met by opting for steel construction. The fiberglass membrane, although difficult to recycle, can be reused by the producer, who specifically agreed with it.



Technical Sheet

Location: Dubai, United Arab Emirates

Year: 2017-2021

Typology: Exposition Pavilion

Size: 2100 m2

Status: Completed

Client: GIE LUXEMBOURG @ EXPO2020DUBAI

External Collaborator: Jangled Nerves

Award: 1st prize in Dubai Expo2020 Competition for Luxembourg Pavilion

[www.metaform.lu](http://www.metaform.lu)



# IMMERSE YOURSELF IN A SENSORY EXPERIENCE FOR DOORS

When we talk about interior doors in the context of sensory experience, the obvious topic is to think about looks and general appearance. However, in our hopefully soon to be, post-pandemic world, a more immersive experience is sought in our future daily lives.

Innovative door design can often be limited to visual perception. In other words, does it turn heads and stand out in its surroundings? A not unrealistic aspiration, although seldom achieved these days. This is especially true given the humdrum and quite frankly tired result presented by the ubiquitous white painted moulded skin doors you see at every turn. The use of colour and wood grain pattern can elevate interior doors immeasurably. This is something Vicaima have been perfecting for over 60 years, with their factory finished decorative door portfolio. However, now they take us on a new journey of sensory experience with the introduction of doors that invite you to feel in every sense of the word.

Two of Vicaima's very popular ranges have recently been extended to provide doors with something more than just great looks. Both ranges are from the Dekordor® collections and include: [Dekordor 3D](#) presenting a pronounced embossed grain effect finish, which although rippled to the touch; is very durable. The horizontal designs in Grey, Black, Washed Oak and Dark Cedar have been extended to encompass new vertical Oak inspiration with Glacier and Silver finishes. The second door range offering something more, is [Dekordor SD Touch](#). Here its subtle grain effect foil and highly realistic wood look, blurs both the visual and textural line between technologically advanced materials and original real wood veneer. Available as a vertical grain pattern, in a rich hue of Coffee Oak or for the perfect alternative to plain white; Pearl Oak SD Touch offers a tactile head-turner that adds chic to any room without stretching the budget.



*Dekordor SD Touch  
Coffee Oak door*



*Dekordor SD Touch Silver Oak detail*

Both these sensory ranges are manufactured and suitable for a variety of applications and sectors, be it homes, hotels, education, or commercial spaces. Products can be supplied as 'door only' or as part of a complete door kit for rapid assembly on site. All with UK tested and certified fire, security, and acoustic performance where applicable. Vicaima can even offer larger projects the option to select [matching wardrobes](#) or wall panels, for the complete room package.

Last but by no means least, is the attention to environmental responsibility. Dekordor 3D and SD Touch, like all Vicaima products, are manufactured to ISO 14001 standards and are FSC certified. So, you can be sure that your choice of doors is not only good for you, but also good for the planet.

**Don't just take our word for it, request a sample so you can see and feel for yourself. Visit [www.vicaima.com/en-gb/contacts](http://www.vicaima.com/en-gb/contacts) and Get in Touch!**



*Dekordor 3D Glacier Oak*



*Dekordor 3D Silver Oak*





Part of the 'Sky-House' development.

Image: CODA Architecture

# SCHÖCK ISOKORB FOR AWARD WINNING 'SKY-HOUSE' SCHEME

The 'Sky-House' development, at Oughtibridge Mill to the north of Sheffield, comprises forty high-specification homes. The term 'Sky-House' being derived from the spacious feel of the properties, which benefit from unrivalled views and offer bright and airy living, complete with riverside balconies. Designed by CODA Architecture, it is built very much with sustainability in mind and minimising any risk of thermal bridging at the balcony detailing is critical. The load-bearing structural thermal break that easily achieves this; and most effectively helps the project meet compliance with the necessary Building Regulations (and the impending Future Homes Standard criteria) is the Schöck Isokorb. Specifically it is the Schöck Isokorb T type SK for concrete-to-steel connectivity that is incorporated at Oughtibridge Mill. This is a complete system thermal break. It is unique in being the only formally UK approved product that satisfies the load-bearing and thermal insulation requirements for this type of application, providing assurance to the end-user that the safest product has been selected for their building needs.

The avoidance of thermal bridging is extremely important for a number of reasons. Any local heat loss will result in more energy being required to maintain the internal temperature of the building. Also, low internal surface temperatures in the area of any thermal bridge can cause condensation and this in turn is likely to result in structural integrity problems. Mould growth too is a possible risk, which in a residential situation can cause asthma and allergies.



## AWARD WINNING SCHEME

Oughtibridge Mill 'Sky-House' is an award winning scheme – recipient of the Development of the Year (fewer than 50 homes) at the Insider Yorkshire

Property Industry Awards 2021. It is part of a wider scheme for 320 new homes that will enable the regeneration of this former industrial mill site. It had

been a flourishing paper mill from Victorian times until its closure in 2007 and renovation of the old mill building for use as a mixed-use food hall, community hub and leisure facility is underway. To reference the industrial history of the area, a sensitive contemporary design style features saw-toothed roofs on the three and four-bed townhouses.

## ALL ISOKORB PRODUCTS ARE FULLY COMPLIANT

In addition to its comprehensive range of Isokorb solutions for concrete-to-steel, concrete-to-concrete and steel-to-steel – Schöck also offers a maintenance free alternative to wrapped parapets. All products meet full compliance with the relevant UK building regulations and have the security of independent BBA Certification, which provides NHBC approval. The temperature factor requirement (fRSI) used to indicate condensation risk, which for residential buildings must be equal to, or greater than, 0.75 is also easily met by incorporating the Isokorb.

Contact Schöck on 01865 290 890; or visit the website at [www.schoeck.com](http://www.schoeck.com) for full details of the Isokorb range



## *Air has never been so elegant*

Gypsum diffusers designed to match their surroundings. Easy to install and paint, available in a range of shapes and sizes.



CIRCLE diffuser



LINE diffuser



SIDE diffuser



SQUARE diffuser



# ARCHITECTURE OF WINE

CHÂTEAU ANGÉLUS HAS ACQUIRED A NEW WINERY IN LIBOURNE, FRANCE, FINELY DESIGNED BY ARCHITECT ERIC CASTAGNOTTO FROM THE FIRM ARCHITECTE DPLG

The cellar is used for making the second wine produced by Château Angélu, Carillon d'Angélu, as well as the latest arrival: Tempo d'Angélu. This new Château Angélu signature wine will be introduced in Quebec for the first time in November 2021.

## THE BALANCE BETWEEN HERITAGE & INNOVATION

The old winery of Carillon d'Angélu - located on the estate - had become too cramped to accommodate new, more efficient, and more innovative equipment. Its location in a UNESCO World Heritage Site limited the possibilities of expansion and imposed strong architectural constraints. It was therefore decided to create a new winery from scratch.

A search for space to accommodate this new structure determined that it was not possible to find the necessary surface area for its construction in Saint-Emilion. The spectrum was thus widened to neighbouring communes, and that search led to selected grounds in Saint-Magne-de-Castillon.







***A nitrogen production plant enables permanent protection of the wines, as well as oxygen control during vinification and ageing.***

As a result of technical, environmental and aesthetic considerations, this new winery is resolutely modern, deriving benefits from state-of-the-art equipment.

The 4400 m2 building, located on a 3.30 hectare plot, is semi-submerged with a green roof. It contains a reception area for grapes, with optical sorting, a vat room for vinification, a cellar dedicated to malolactic fermentation, and a cellar for maturation. Eventually, bottling and labelling equipment will be added to the line.

Inspired by Fleur de Boüard in Lalande de Pomerol, the wine-making cellar, with its 18 inverted truncated cone-shaped vats, hoist system, and vat lift, is 100% gravity fed.

A nitrogen production plant enables permanent protection of the wines, as well as oxygen control during vinification and ageing. Photovoltaic panels allow for self-production of part of the electricity required for the new structure's operations.

Carillon d'Angéus, like the entire estate, is HVE3 certified. This highest level of "High Environmental Value" certification attests to the best practices of Angéus in terms of biodiversity, phytosanitary strategy, and fertilization management. The building is BREEAM (Building Research Establishment Environmental Assessment Method) certified, which is the British equivalent of France's HQE (Haute Qualité Environnementale). The winery was delivered during the 2019 harvest.

**"BREEAM"**

Building Research Establishment Environmental Assessment Method - or building environmental performance assessment method - is the most widespread building certification standard in the world. Each type of building has its own assessment standard. The BREEAM assessment, simple and pragmatic, allows for a calculation of the environmental performance of a building and provides applicants with a guarantee to respect the environment from the design stage through the entire lifecycle of the building. Therefore, the certification corresponds to a global environmental approach.

These approaches also help to develop a more creative spirit and positive dynamic that improves team morale through direct impacts on their productivity, health, comfort, and well-being. The environmental aspects rise to the same level as the human aspects.

**IN CONSTANT EVOLUTION**

Carillon d'Angéus is committed to an active R&D approach, from the vineyard to the winery, from viticultural techniques, to the invention of new gestures.

The new winery of Carillon d'Angéus lends itself perfectly to the experimentation of numerous prototypes, from the electronic mustimeter to the grape washer...so many tests which, if successful, will equip all of the wineries in a few years, thus improving the work of the teams, and sublimating the wines produced.

**TEMPO D'ANGÉLUS**

In the next few weeks, Tempo d'Angéus will hit the shelves of the SAQ for the first time in Canada. GALLEON, a fine wine import agency, is its exclusive importer, and they offer the vintage in Magnum or Jeroboam formats through its online store.

**TECHNICAL SHEET**

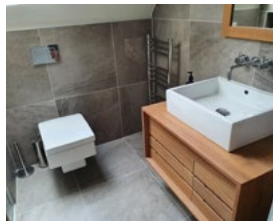
Client: Château Angéus  
 Location: Saint Magne de Castillon, France  
 Construction completion: November 2019  
 Area of project: 4400 m2 building, located on a 3.30-hectare plot  
 Architect: Eric Castagnotto from Architecte DPLG  
 Photographer: Deepix

[www.galleonwines.ca](http://www.galleonwines.ca)  
[www.angelus.com](http://www.angelus.com)



## NORCROS ADHESIVES IS THE TRUSTED SOLUTION FOR SEASIDE NEW BUILD PROPERTIES

Norcros Adhesives has been involved in a project to construct a new development of houses and holiday lets in the popular seaside town of Whitstable, Kent.



The project consists of seven houses for private sale and eight holiday lets. All are designed according to the local style to fit in with surrounding buildings and are finished to a luxury standard, offering spectacular views across the bay towards the Isle of Sheppey.

The tiling contractor was Cerface of Gillingham, while the main contractor was Westridge Construction. The tiles were supplied by Plus 39 of Rochester and Solus Ceramics. Norcros Adhesives has had a long and successful partnership with Cerface, who prefer to use Norcros Adhesive products wherever possible.

"Projects these days are challenging enough," says Chris Clark the director of Cerface, "so to be able to use products from suppliers that you know will work makes a lot of difference. On this project we had every confidence that the Norcros Adhesives products would work very well for the areas involved."

For further information visit [www.norcros-adhesives.com](http://www.norcros-adhesives.com)

## SANIFLO PARENT COMPANY SFA GROUP WINS SOCIAL RESPONSIBILITY AWARD

SFA Group – Saniflo UK's parent company – has been awarded a Bronze Medal for Corporate Social Responsibility from EcoVadis, the world's most trusted provider of business sustainability ratings. This result places the SFA Group among the top 50% of companies assessed by EcoVadis.



The EcoVadis assessment is built on international sustainability standards, including the Global Reporting Initiative, the United Nations Global Compact, and the ISO 26000, covering 200 spend categories and 160+ countries.

SFA Group was rated based on a sustainability scorecard which illustrates performance across 21 indicators in four main categories of environment, labour and human rights, ethics, and sustainable procurement.

Saniflo UK Head of Marketing and Product Management, Ann Boardman, says: "At Saniflo UK we uphold the same high standards set by our parent company, SFA Group in France. We pride ourselves on our ongoing commitment to being the best we can be in all ways, always. This Bronze medal is well deserved."

For further information visit [www.saniflo.co.uk](http://www.saniflo.co.uk)

## Reflect your lifestyle with Bespoke sliding doors



Transform your space with bespoke sliding doors from Mirror Door Systems Ltd. Established in 1994, the company is known for its quality, workmanship, and efficient delivery. We like to work closely with our customers to explore their ideas and come up with a bespoke solution just for them. With this level of service, it's easy to see why Mirror Door Systems Ltd is a leading UK provider of made to measure sliding doors. The full range now extends to 5 superb systems and 40 colours to choose from.

Contact Mirror Door Systems on 01268 573357, email [salesmids@mirrordoor.co.uk](mailto:salesmids@mirrordoor.co.uk) or visit the website for more information

[www.mirrordoor.co.uk](http://www.mirrordoor.co.uk)



## AUDIO, VISUAL, LIGHTING AND IT SPECIALISTS FOR HOME, COMMERCIAL, RETAIL AND MARINE

We have 25 plus years' experience in the audio, visual, lighting and IT Industry.

We have worked with architects, electricians, builders, marine and residential customers who are looking to create single media rooms to fully integrated systems.

No two projects are the same and we are not satisfied until the client is 100% happy that we have developed a fully tailored solution that meets all their needs.

**Our team is focused on delivering simple and affordable solutions. contact [sales@avanit.co.uk](mailto:sales@avanit.co.uk) or call +44 (0)1223 631341.**

Authorised dealer for Crestron, Lutron, RTI and Meridian

*"Enhancing lives through the integration of technology".*



# STAINLESS STEEL

SINKS • WORKTOPS • CABINETS • SHELVING



**GEC ANDERSON**  
the stainless steel specialists  
[www.gecanderson.co.uk](http://www.gecanderson.co.uk)

## CHARLES CLARKE & SON BUILDERS LTD

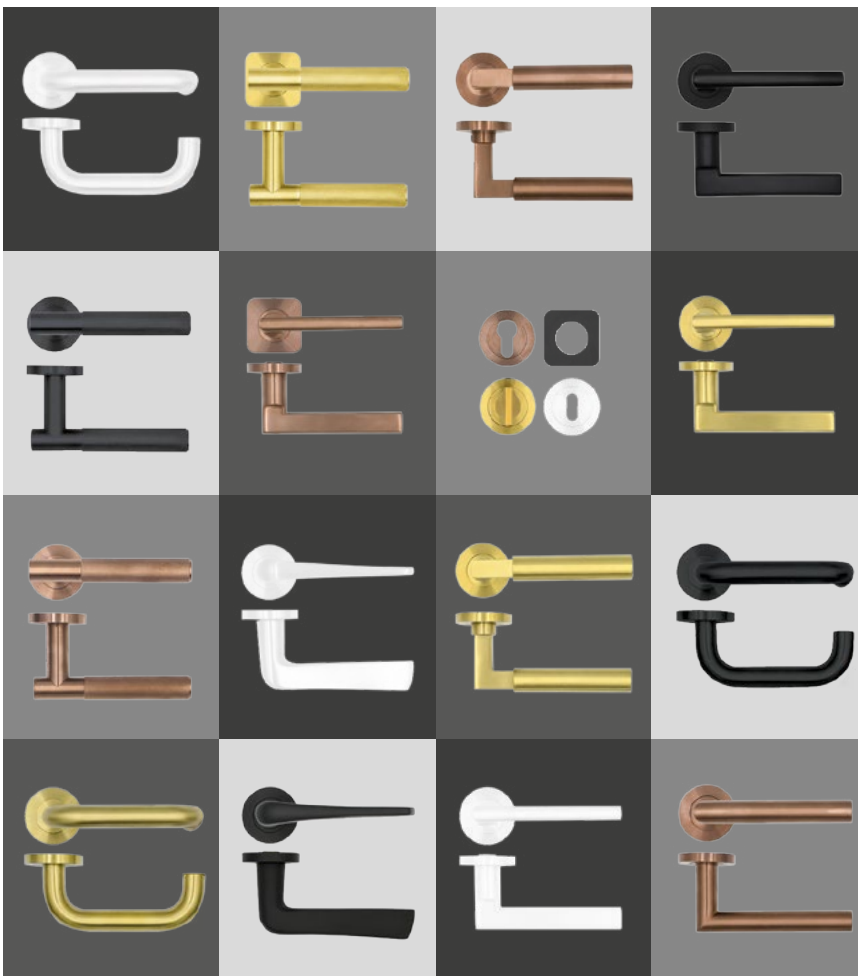
GRUNDISBURGH, SUFFOLK



New builds | Extensions | Conversions

Since 1857

[www.charlesclarke.co.uk](http://www.charlesclarke.co.uk) | 01473 735317



## ROSSO TECNICA

ACCIAIO CON STILE



ROSSO TECNICA is our new and exclusive range of European inspired designer levers. Manufactured from Grade 304 stainless steel and finished in a new selection of stunning hard-wearing finishes, these levers are the perfect accompaniment to the latest trends in interior fashion.



AS PART OF OUR ONGOING COMMITMENT TO REDUCE OUR IMPACT ON THE ENVIRONMENT, THE ROSSO TECNICA RANGE IS SUPPLIED WITHOUT ANY PLASTIC PACKAGING. NO POLY-BAGS ARE USED IN THIS RANGE.

**T** : +44 (0) 1228 672 900  
**E** : [sales@zoo-hardware.co.uk](mailto:sales@zoo-hardware.co.uk)  
**W** : [www.zoohardware.co.uk](http://www.zoohardware.co.uk)

Rosso Tecnica is part of Zoo Hardware



# ORANGE SPIRAL STAIRCASE FOR COLLEGE STUDENT HUB

Spiral UK have seen somewhat of a trend towards sheet panel staircases, mostly for spiral stairs where the treads rise up around a central pole then get enveloped by a cloak of steel like a flamboyant magician. But the stairs at Halesowen College in Birmingham are no illusion.

This statement staircase was part of a refurbishment project commissioned by commercial fit out specialists Fuselek Ltd. Block two at Halesowen College's Whittington Road Campus in Birmingham has become the home of its student hub where the student services team offer a range of financial and administration support to students.

The area has been updated to a more edgy informal environment with our spiral staircase really making an impact in the modern entrance space, where it leads up to the computer zone.

The full height steel plate balustrade creates an organic curved form that, along with the choice of bright orange, juxtaposes nicely with the otherwise neutral, manmade environment in which it sits. This commercial staircase really makes an impact in the space, even more so at night when the carpet-covered treads are lit up with LED lights – practical but also dramatic. And BPN Architects could've chosen any colour for the powder-coating of the staircase but the striking orange almost glows when the lights hit it, making for some stand out photographs.

At nearly 4m high and over 2.5m wide, this large bespoke spiral staircase was designed to be compliant with a Category E public stair, the closed risers and fixed dual handrails for additional safety. Cat E Public Stairs are for use by large numbers of people

at one time and used in places of public assembly, so perfect for this application. The requirements are Min/Max rise per tread: 150-190mm, Min clear width between core pole & handrails: 1000mm (900 in Scotland) and Min going from the centre of the tread: 250mm, hence the size.

Find out more: [www.spiral.uk.com](http://www.spiral.uk.com)







# Design, form, deliver

Spiral UK's in-house expertise in the design, manufacture and installation of bespoke staircases ensures we deliver complex projects on time and to budget for you and your client.

Call **0330 123 2447**

Visit **[spiral.uk.com](https://www.spiral.uk.com)**

Email **[info@spiral.uk.com](mailto:info@spiral.uk.com)** to find out more or book free online CPD



**SpiralUK**  
Bespoke  
Staircases



## PREMIER LOFT LADDERS ANNOUNCE NEW SUSTAINABILITY POLICY

Premier Loft Ladders is proud to work with the very best suppliers in the world to build premium quality loft ladders, loft eaves doors and flat roof access solutions that architects, developers and project managers reliably trust will meet the highest energy efficiency and sustainability standards. 95 percent of our products are manufactured in Germany and Austria to the highest specifications and have been designed to perform in cold winters and warm summers. Furthermore, we offer a range of loft ladders that are certified by the Passive House Institute for use in passive buildings.

Now we are pleased to announce our own sustainability policy - which conveys our commitment to create loft access solutions that help improve the lives and health of future generations and the planet we share. As part of our sustainability strategy, we have also signed-up to Forest Carbon to plant trees within the UK, which will initially help to offset an estimated ten tonnes of CO2 per annum when they mature.

Please visit our website to read the new policy and explore our solutions for low carbon and sustainable buildings.

[www.premierloftladders.co.uk/sustainability/](http://www.premierloftladders.co.uk/sustainability/)

T. 0345 9000 195

E. [sales@premierloftladders.co.uk](mailto:sales@premierloftladders.co.uk)



## Latest Schöck BBA Certification raises the bar.

Thermal break technology you can trust.

No need to compromise on performance, quality or service. Schöck products meet full compliance with relevant UK building regulations, are approved by the BBA, NHBC accepted, LABC registered and classified as fire resistance class REI 120.

[www.schoeck.com](http://www.schoeck.com)

 **SCHÖCK**  
Dependable by design







**BELL**  
PACKAGING

## REUSED OCEAN PLASTIC

Using waste plastic collected by local people from beaches and riverbanks that is then cleaned, broken down and reused to make new transparent packaging



For more information and samples contact us:



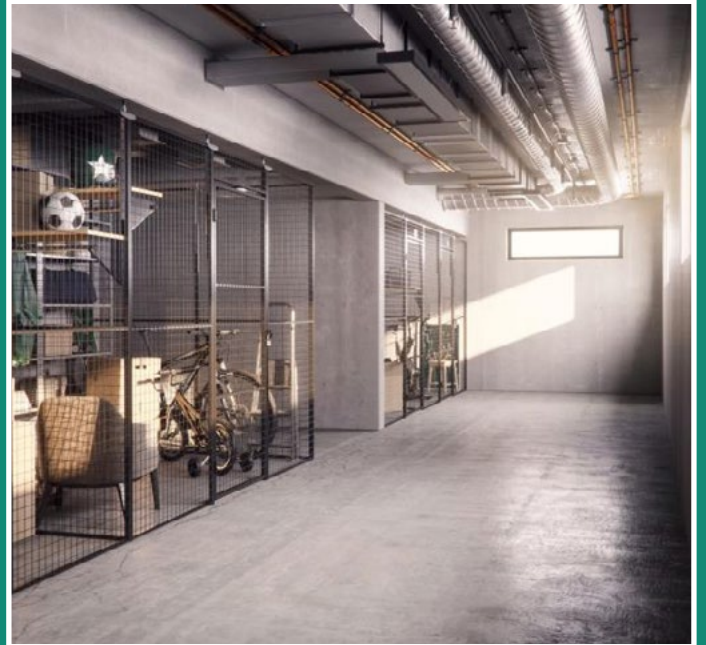
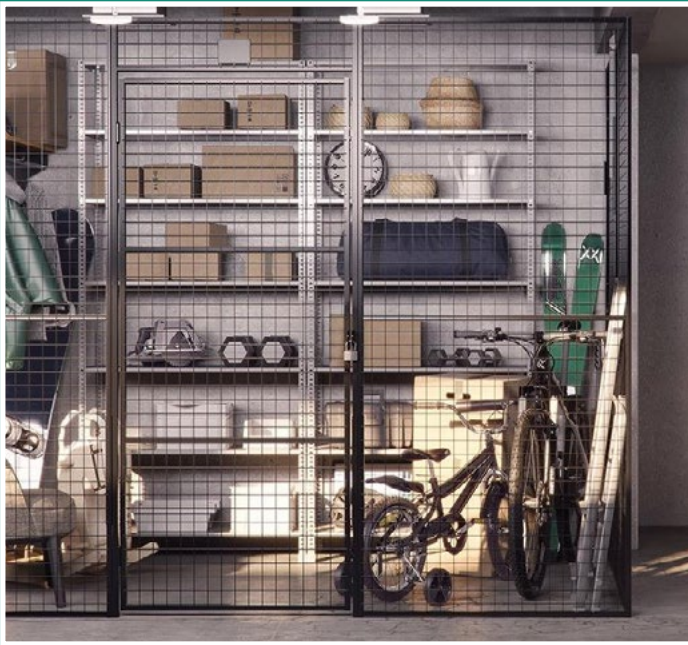
[www.bellpackaging.com](http://www.bellpackaging.com)



+44 (0) 1582 459292

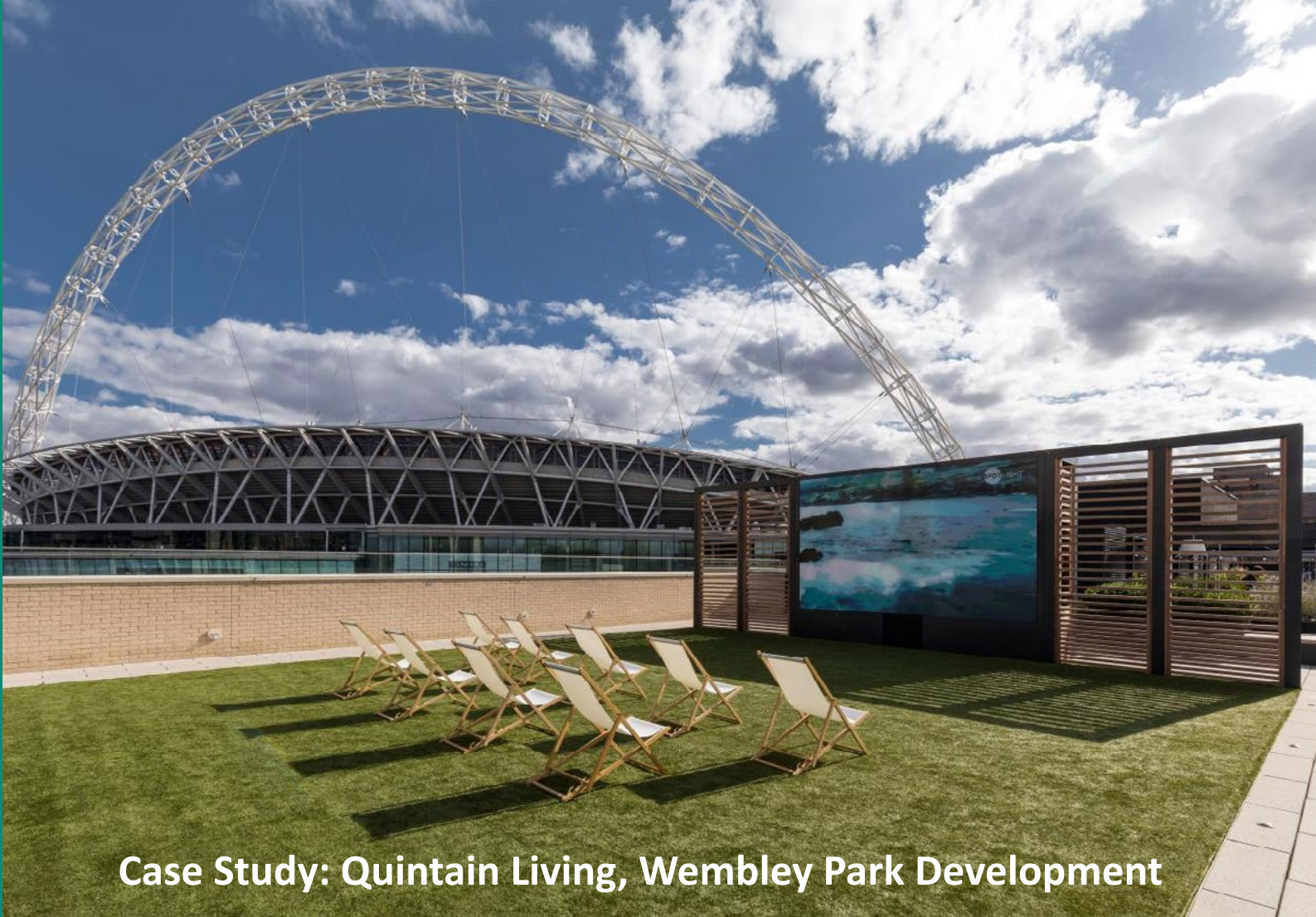


# Maximize your Revenue by Creating Storage Solutions for Residential and Commercial Properties.



PROTECTING PEOPLE, PROPERTY, AND PROCESSES.

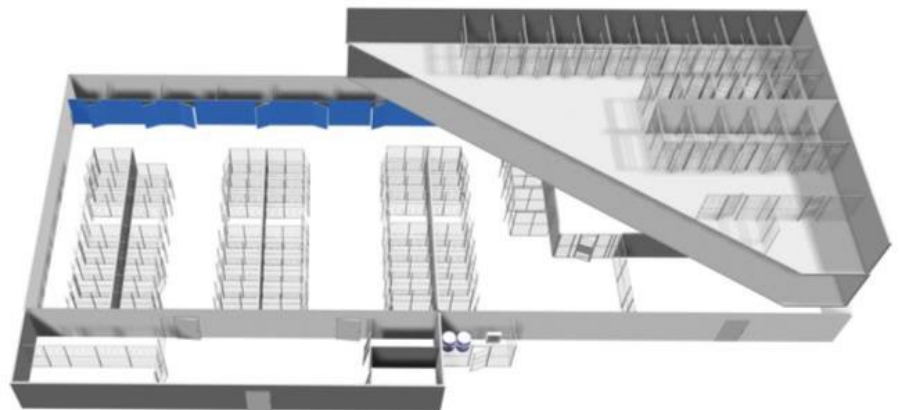
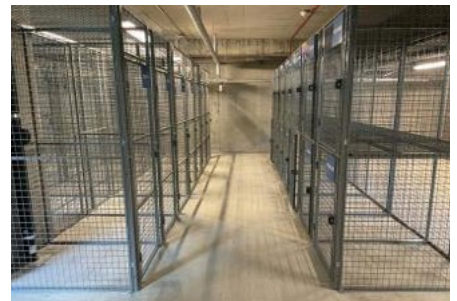




## Case Study: Quintain Living, Wembley Park Development

“Having worked with Troax whilst planning and installing their cage product into our flagship development The Robinson, we are thrilled with the final product and the quality of what’s been delivered. We had first rate service from the team, nothing too much trouble and they were all prompt with actions and communication.”

**Quintain Living** – Paul Grierson,  
Project Manager Mobilisation



Tel: 01792 542000  
Email: [david.loader@troax.com](mailto:david.loader@troax.com)  
[www.troax.com](http://www.troax.com)







## STORAGE SOLUTIONS BY

Where residential storage space is at a premium we can offer bespoke basement storage cages for residents in apartments or managed properties. These mesh security cages tend to be bespoke as basements tend to have service pipes and electrics running through them and the cages need to be modified to suit the space.

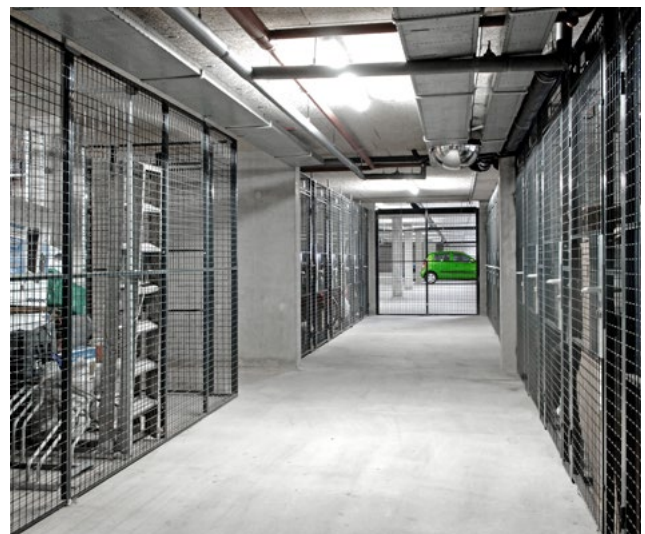
With space at a premium, these cages offer a solution to the customer but also an additional revenue stream for the developer/ Client.

We offer many different options including Full mesh, Half mesh/half steel and full steel amongst the options.

**Tel: 01792 542000**

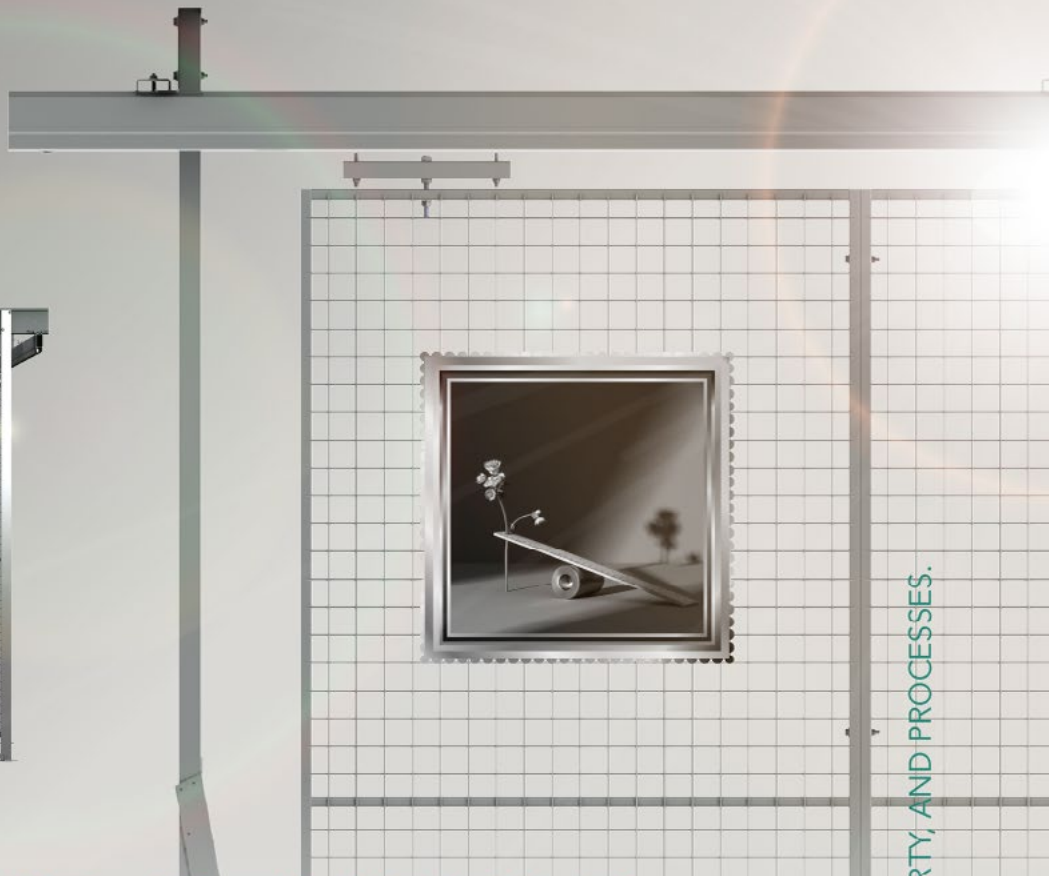
**Email: [david.loader@troax.com](mailto:david.loader@troax.com)**

**[www.troax.com](http://www.troax.com)**





**TROAX**



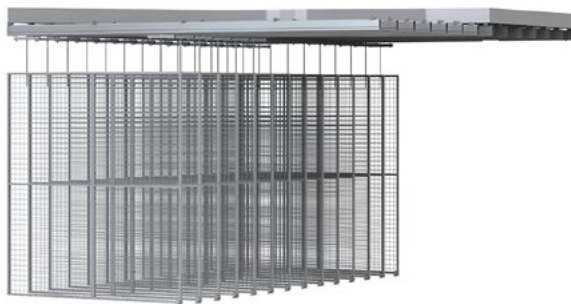
# SAFE AND RELIABLE ART STORAGE

KEEP VALUABLE ART SAFE & EASY TO ACCESS.

PROTECTING PEOPLE, PROPERTY, AND PROCESSES.

## ART STORAGE BY **TROAX**

TROAX



### HANGING FROM CEILING

This is a compact solution which eliminates the extra aisle space even more.

TROAX



### STANDING ON THE FLOOR

A smart solution for art storage where you don't have to take into account the premises' conditions.



# 1 SWIMMING POOL

## 4 POOLLOCK AUTOMATIC COVERS

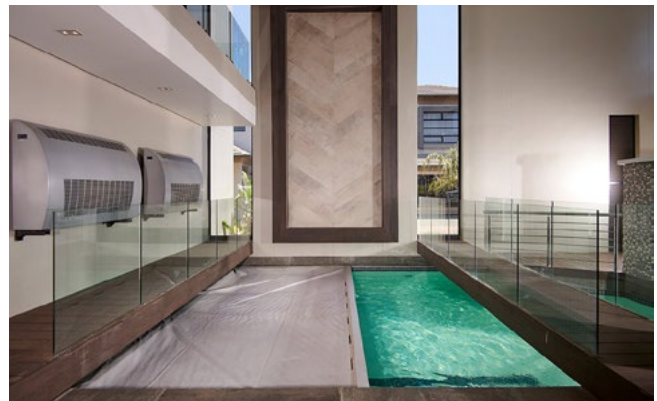
To cover the pool surface on this very particular design of pool, PoolLock supplied one automatic slatted cover and three automatic safety covers, including a customized V4XXL safety cover system spanning an 11m width. Thanks to its many years of experience designing and producing automatic covers, PoolLock is able to work with customers and architects to create tailored solutions to cover almost any kind of pool.

PoolLock's unique hydraulic-drive system means that you do not need any electrical components near your pool.

The electrical power pack used to operate the cover and drive the two hydraulic motors can be placed as far from the pool as required. Opening and closing the pool is as easy as turning a key switch, which means that the cover (and the pool) are actually used once installed.

PoolLock safety covers provide a solid barrier between the water and surrounding area, effectively preventing any access to the water and making them the safest covers on the market. In addition, all PoolLock covers will reduce the amount of heat, water and chemicals lost through evaporation, which means pool owners can save money on electricity and chemical usage.

In addition to the standard fabric options, PoolLock also offers HeatLock Thermofoam canvas with enhanced insulation properties. Thanks to the foamed insulation layer applied to one side of the canvas, heat transfer across the membrane is reduced



by a factor of 3 when compared to standard fabrics for similar applications. HeatLock's closed-cell foam structure ensure that PoolLock covers are not only the safest, but also the most energy-efficient available on the market.

PoolLock Automatic Covers offer you the safest, most convenient, most reliable and energy-efficient way to cover your pool.

With over 30 years of experience, and installations in over 20 countries, PoolLock is one of the world's leading manufacturers and suppliers of automatic safety and slatted covers for swimming pools.

[www.poollock.com](http://www.poollock.com)



# WELCOME TO ARMATHERM™ STRUCTURAL THERMAL BRIDGING SOLUTIONS



**Minimising energy loss and improving building envelope performance**



Armatherm™ is one of the leading suppliers of structural thermal break materials for the construction industry. Our goal is to provide architects, structural engineers and building design professionals with effective solutions to prevent thermal bridging.

## Typical Thermal Bridging Locations



Balcony/Canopy Connection



Masonry Shelf Angle Connection



Wall Cladding Attachments



Foundation to Wall Transition



Column Base Connection

01274 591115

sales@armadillonv.com

www.armatherm.co.uk

## PREMIER LOFT LADDERS

Counter-balanced operation for ease of use

Telescopic handrail & large treads for comfort and safety

Heavy duty ladder for strength & durability (load rating of 200 kg/tread)

The Elite loft ladder offers strength & ease of use...  
[www.premierloftladders.co.uk/elite](http://www.premierloftladders.co.uk/elite)  
 0345 9000 195 | sales@premierloftladders.co.uk

# LAUNCH OF THE NEW TIMBER DECKING HANDBOOK

On the heels of the popular Timber Cladding Handbook, the Timber Decking & Cladding Association (TDCA) is set to launch another definitive guide in the New Year – the Timber Decking Handbook, for specifiers, buyers and installers.

Timber decking provides a versatile way to create unique outdoor spaces: seating and entertaining areas or garden landscaping. The 52-page book provides clear, relevant and illustrated guidance covering decking design, installation, material choice and UK building and planning compliance. It features a timber gallery section – detailing key characteristics of softwoods, hardwoods and emerging modified wood brands. Full of inspirational projects and practical summarised installation and maintenance tips, the publication will be free to download or a beautiful A4 printed version can be purchased for £12 (inc p&p).

The handbook has been produced in partnership with Timber Development UK (TDUK) with support from a number of industry trade bodies to provide summarised and illustrative guidance. For more detailed reading, the Handbook references a TRADA publication entitled Timber Decking – The Professional's Manual.



Janet Sycamore – TDCA Director, commented: “This well-illustrated document has been produced to help prevent the common and easily avoidable problems that we see time and time again. We hope it will prove to be a valuable reference for anyone involved with timber decking”.

The TDCA is an independent, not-for-profit advisory organisation, established to influence and promote good industry practice. Sourcing third party accredited materials will help in the pursuit of acquiring quality, fit for purpose

products; look for the DeckMark® and CladMark® badges – they are the quality accreditation schemes operated by TDCA for its members.

Head over to the TDCA website where this handbook and many other resources are available – including FAQs, technical advice and an approved supplier database – or contact the TDCA helpdesk with your specification enquiries.

[www.tdca.org.uk](http://www.tdca.org.uk)  
email: [info@tdca.org.uk](mailto:info@tdca.org.uk)



## For independent guidance on your next project

*The Rising Path, Cambridge. Photo: Smith & Wallworks/Richard Chivers*  
Accoya® anti-slip deckboards with graphic inlay supplied by Gripsure



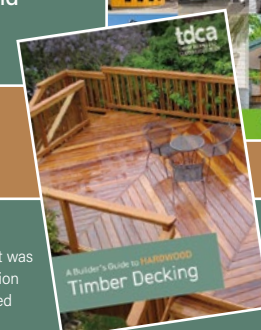
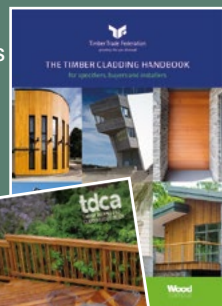
Ensure your timber decking or cladding is fit for purpose through **design, specification, material choice and installation.**

Whatever the size of your project, TDCA can offer:

- an accredited **materials, supplier and installer** database
- impartial and expert help by phone or email
- inspiration, through galleries and case studies
- inspection & expert witness services
- free downloadable resources including **The Timber Cladding Handbook** and **The Guide to Hardwood Decking**

email: [info@tdca.org.uk](mailto:info@tdca.org.uk)  
visit: [www.tdca.org.uk](http://www.tdca.org.uk)

The Timber Decking and Cladding Association is an independent, not-for-profit technical and advisory body. It was established to promote the materials, design and installation practices required to create good quality decks, associated landscape structures and cladding on buildings.







# EVOKE AN EARTHY RAW AESTHETIC WITH ARMOURCOAT® CLIME®

For 35 years Armourcoat Ltd have been developing natural mineral plaster finishes that incorporate large percentages of recycled material. In this time a wealth of experience in formulating plasters for both interior and exterior environments has been gained, leading to Armourcoat organically becoming the most respected brand for sustainable decorative plasters worldwide.

Armourcoat's newest addition to their extensive product range is 'Clime', a natural Clay lime plaster. There has been a lot of interest focused on clay plasters as a sustainable option for wall finishes, however after extensive research and evaluation Armourcoat concluded that despite the wonderful qualities of clay, clay only plasters are unfortunately extremely fragile and soften almost immediately when exposed to water. By developing a natural binder made from roughly equal amounts of clay and hydraulic lime, Armourcoat believe they have achieved the optimum balance. Naturally sustainable, low in embodied carbon and retaining the raw aesthetic of clay only plasters, Clime is resilient enough to be used as a wall finish with true longevity.

Available in two standard finishes: Clime Matte and Clime Stone, the natural clay lime plaster is 100% cement and VOC free, biodegradable and has achieved IAC Gold status and EPD classification. Due to the materials versatility, it can be used in both homes and commercial buildings, withstanding the demands of busy interiors.

Clime Matte creates a finely textured, subtle finish which radiates the natural material used. Clime Stone includes recycled crushed



marble to create a heavier texture, suitable for large areas where a more dramatic finish is desired. Both finishes are available in 15 colours and are suitable for internal areas. Custom colours and finishing techniques are also possible including banding, layering and pearlescent washes.

Clime plasters create healthy interiors, with beautiful finishes in tune with nature and engaging traditional decorative skills.

Armourcoat's team are available by appointment to discuss any project design.

[specsales@armourcoat.co.uk](mailto:specsales@armourcoat.co.uk)  
**+44(0)1732 460668**  
[www.armourcoat.com](http://www.armourcoat.com)



# PIERREFONDS PUBLIC LIBRARY

WINNING PROPOSAL OF AN ARCHITECTURAL COMPETITION; THE NEW PIERREFONDS PUBLIC LIBRARY EMBODIES THROUGH ITS ARCHITECTURE THE GREAT CHANGES OCCURRING IN THE LIBRARY SCIENCE WORLD

Defined as the combination of a park and a shopping mall, both considered as highly attended "third place", this innovative library embodies an ecosystemic vision where the programs and the relations between them are developed with the same level of attention. It is a true social and information exchange network that takes shape into a complex circulation structure that renews the library experience with each visit.

The design of the Pierrefonds Public Library also innovates in its relation to the landscape, its discreet technological approach actively participating in the scenography, and the collections' display. The latter are structured around thematic poles to enhance accessibility.

"The overall planning strategy of this innovative and highly technological library was inspired by the pragmatic efficiency of shopping centers, train stations, and airports, all while avoiding their flaws."





“

*The overall planning strategy of this innovative and highly technological library was inspired by the pragmatic efficiency of shopping centers, train stations, and airports, all while avoiding their flaws.*

### THE COMBINATION OF AN IDEAL PARK AND A SHOPPING MALL

While looking through old masterplans of Pierrefonds-Roxboro, the architects came across a graphic image depicting the main planning criteria for green spaces in the district. The drawing showed an idealized park on a generic site. The park was divided into various areas, based on age groups and types of activities: green spaces, rest spaces, play zones, exchange networks, etc.; similar to library planning.

An in-depth study of this document, paired with a reorganization of the various areas, especially the green spaces, became one of the foundations for the project. An interior garden emerged as a result of these explorations. Created by an extraction process, the garden allows natural light as well as part of the natural surroundings to reach the heart of the existing building. The garden also functions as reference point for users and employees of the library.

Typical of suburban environments and often criticized, the shopping mall typology was also investigated. Generic buildings, obedient to functional and economic requirements, shopping malls have one or many focal points. These centers of activities and exchange are almost always topped with a large skylight accentuating the composition.

Another important characteristic of the shopping mall is its circulation network fed by multiple entryways that compels the customer into specific paths. Thus, stairways typically located in central atriums are often voluntarily reversed, as a way of extending the visitor's stay. This typology is particularly interesting to the planning of a library. Its numerous spatial qualities are essential components of what is called a "third place". Users circulating freely, flexibility in spatial organization, multiple movements and experiences are just a few of these advantages.

The project's main elements are directly inspired by the shopping mall typology: wings merging into a central meeting space, a network of stairways, a bleacher, floor openings allowing visual connections, multiple skylights, as well as a civic space. The building's surroundings, usually filled with parking lots, and opaque walls are here replaced by green spaces and glass curtain walls.

Formally, the project adjusts itself according to the site's main elements. Instead of being purely functional and economic, the building's shape is drawn to both manifest its urban presence on Pierrefonds Boulevard, and get closer to the wooded park, and to retract to reveal existing greenery islands on the site.



## WHITE TRANSPARENCY AND STRUCTURAL LIGHTNESS

The project's forms and materials are simple and intend to disappear to highlight the presence of its landscape, users, and books. White is dominant both inside and out and offers a neutral canvas from which the landscape's changing colors, the roaming visitors, and the many documents contrast and stand out. The white surfaces – walls, ceilings, and shelving – also reflect and multiply the natural light coming in through the vast glass curtain walls, the interior garden, the glass roof, and the multiple skylights, allowing the library to stay bright even during cloudy weather. On the upper level, the light-yellow epoxy-glazed concrete floor, oak bleachers, and colorful and comfortable furniture bring warmth to the predominantly white spaces.

A glazed curtain-wall system punctuated with white aluminum sections wraps the perimeter of the building. Some glass panels are screen-printed to create a smooth transition between transparency and opacity. The envelope is also textured inside; perforated aluminum panels flank the floor and ceiling, which also act as a ventilation distribution system.

Most of the upper floor slab is cantilevered along the perimeter of the building. The structural challenge to preserve the impression of lightness was achieved by making the floor slab appear as thin as possible. The steel structure was carefully crafted in collaboration with structural engineers, especially the glass roof over the bleachers facing the woods.



Finally, the new building spreads around the initial borough's library. Developing the junctions between the new building envelope and the existing facade was another technical and esthetical challenge. Some salvaged bricks were used to create inside partitions recalling the outline of the previous building. Integrating the memory of the old library into the current project was fundamental.

## COLLECTIONS ORGANIZATION AND DISTRIBUTION

In dialog with the collections' organization in thematic poles desired by the clients, the architects developed an approach that prioritizes individuals and their interactions. It offers visibility, flexibility and a variety of spaces to read, work, and relax. The architects first opted for a dense distribution of the collections to free a maximum of space in the centers and accentuate the plan taking care to preserve interesting views.

Then, they proposed to place thematic isles in the freed-up spaces allowing the display of the collections in a library style. Just as one occupies a place that suits them in a park, these central spaces are organic and contain many sub-spaces more or less intimate following each one's desire.

## TECHNICAL INFORMATION

Location: Montreal, Quebec, Canada

Client: City of Montreal

Built area: 4550 m<sup>2</sup>

Construction cost: 17,5 M\$ CA

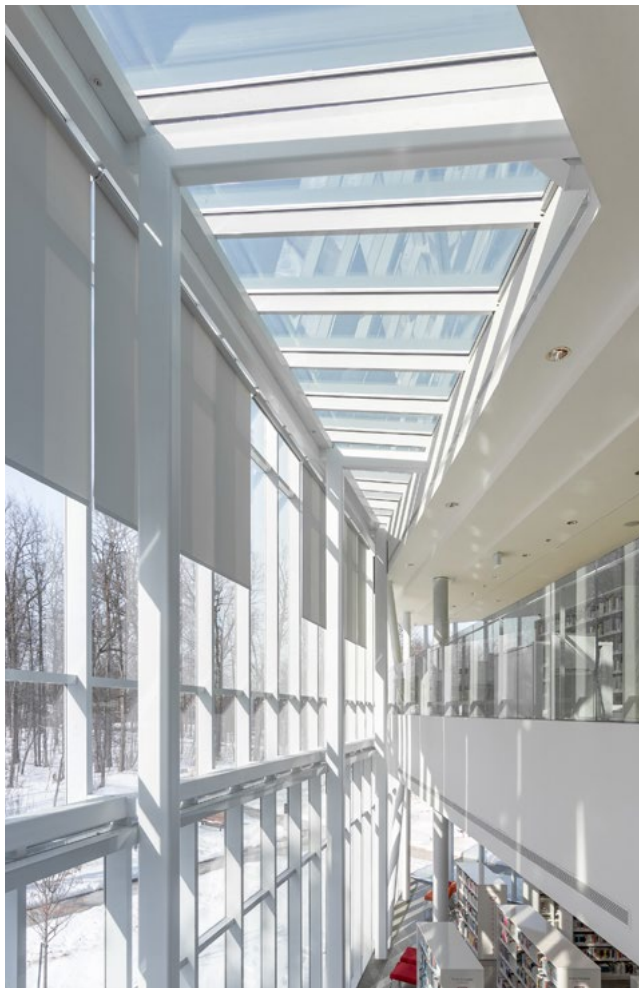
Sustainable development: LEED Gold certification (target)

Team: Lead Architects: Stephan Chevalier, Sergio Morales and François Lemoine. Architects: Alexandre Massé, Julie Rondeau, Gabriel Lanthier, Céline Leclerc, Christian Aubin, Ève Beaumont-Cousineau, Catherine St-Marseille, Simon Barrette, Geneviève Riopel

Consultants: Bouthillette Parizeau, SDK, Équipe Laurence, Version Paysage

Awards: Canadian Architect Award of Merit (2014); Design Award of Excellence – Institutional Projects of the Canadian Institute of Steel Construction (2018); Quebec Libraries and Archives Architecture Award (2019)

[www.chevaliermorales.com](http://www.chevaliermorales.com)





# A ROBUST AND FUNCTIONAL ACOUSTIC SOLUTION DELIVERED BY COLINWELL FOR MULTI-PURPOSE HALL AT ST BRONAGH'S PRIMARY SCHOOL, ROSTREVOR

The pupils of St Bronagh's have a long tradition of championing environmental improvement projects, including the monitoring of swifts nesting in the swift boxes that have now been integrated into the external walls of the school. The school enjoys both Ambassador Eco-School and Green Flag status. Its' own ECO council works tirelessly to maintain an eco-friendly building.

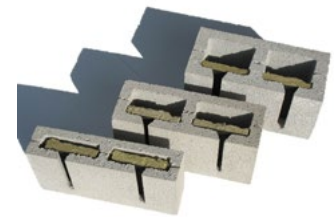
It was no surprise then when d-on architects ltd choose Colinwell's EchoCheck Acoustic Block, which is manufactured from 65% recycled aggregates for the interior of the school's Multi-Purpose Hall, they further affirmed the primary school's own green credentials, while satisfying the requirements of BB93 and most importantly creating a quieter and more pleasant space.

The Colinwell EchoCheck Acoustic Block allows design teams to address sound control issues and to provide a low maintenance Fair-Face finish in one product. It eliminates the need for either visually obtrusive or imposed compromises, such as panels, screens, or curtains which are prone to damage and potentially can interfere with some games.

By choosing Colinwell's EchoCheck Acoustic Block, d-on architects ltd affirmed that "the acoustics in the Multi-Purpose



Hall were softened and incorporated into patterns on each wall and an acoustic quilt above the suspended radiant heating panels. The acoustic blocks gave a robust wall finish with the additional benefit of built-in sound absorption."



**For brochures and information on Colinwell – EchoCheck Acoustic Blocks contact Colinwell on 02890 618145 or e-mail [info@colinwell.com](mailto:info@colinwell.com).**

## Colinwell Acoustic Masonry



[colinwell.com](http://colinwell.com)



EchoCheck Acoustic Block  
St Bronagh's Primary School, Rostrevor  
Colour: Paint Grade



# WEGGISHOF

## A MIXED-USE WOOD HYBRID BUILDING ON LAKE LUCERNE

The Weggishof, a mixed-use development in Weggis on Lake Lucerne in Switzerland, is a wood hybrid construction and consists of 39 apartments made of prefabricated wooden elements. These are intersected with a bracing concrete fundament, which houses 1'200 m<sup>2</sup> of commercial space with public uses. The apartments, ranging from simple studios to five-room apartments, are double faced and open to the green, seasonal and biodiversity-oriented courtyard with a garden and a playground, which is a public meeting place for the community.

Weggishof is a pioneering project in the use of Building Information Modelling (BIM). A digital workflow was crafted to allow for dimensional steering of the prefabrication of the standardised wood elements, whose surfaces are left raw for visual impact. The BIM also supported the project's high sustainability intentions as it facilitates a more precise layering and system separation of structures and materials. Thus future material recycling will be easier and more efficient.

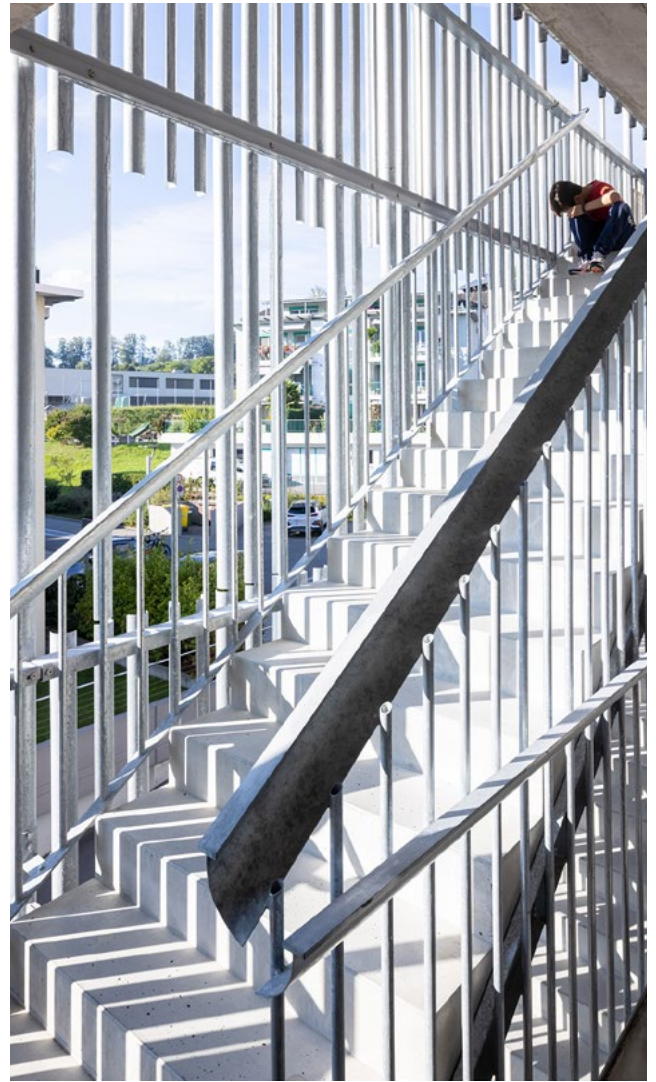




“

*A digital workflow was crafted to allow for dimensional steering of the prefabrication of the standardised wood elements, whose surfaces are left raw for visual impact.*

The modular metal facade gives a vivid identity to the public space while adding a layer of privacy. Thus it acts like an open threshold between the two worlds of prefabricated precision and the surrounding landscape with a striking alpine panorama.





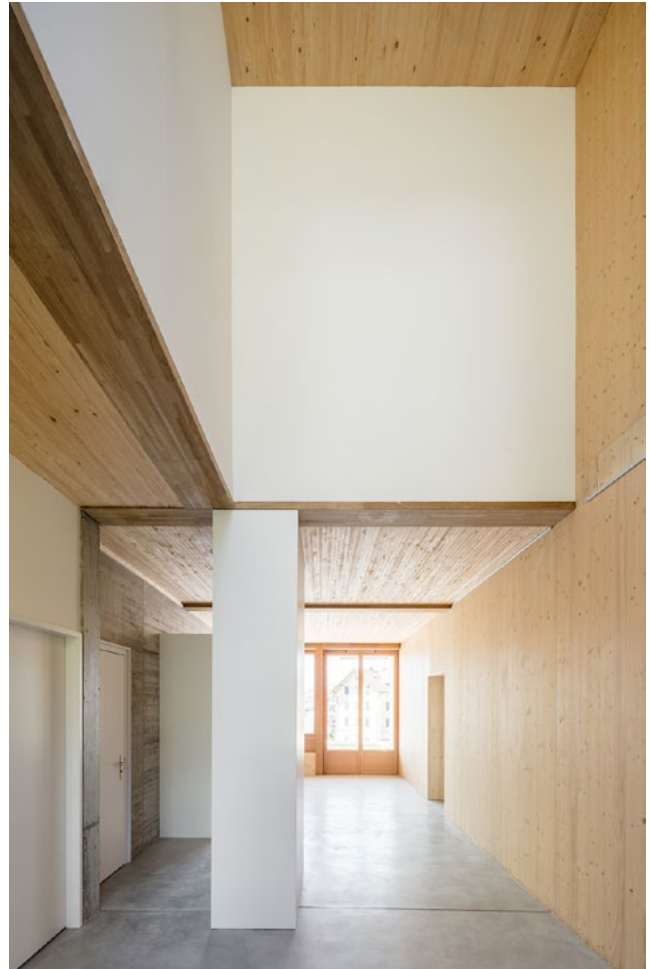
## HHF

The building nestles into an existing natural U-shaped slope, which allows for structural diversity. Floor heights are staggered to let the new construction blend in with the surroundings without blocking the view of the lake from existing structures. Interestingly, the 39 flats offer a small and large version of each of the different floor plans, providing comparable quality at different scales and budgets.

In the end Weggishof is much more than a sustainable housing project – it also enriches the centre of town with a new urban expression and a public space.

“

*The building nestles into an existing natural U-shaped slope, which allows for structural diversity*







Project: HHF  
Program: Housing, Commercial  
Location: Weggis, Switzerland  
Commission: Competition, 1st prize  
Design: 2014 – 2020  
Status: Finalised in 2021  
Team HHF/HERLACH HARTMANN FROMMENWILER  
Building Footprint Area: 2,540 m<sup>2</sup>  
Gross Floor Area: 7,000 m<sup>2</sup>  
Usable Floor Area: 5,680 m<sup>2</sup>  
Building Volume: 23,900 m<sup>3</sup>  
Client: Einfache Gesellschaft Amrein-Tellenbach-Widmer  
Photo: Iwan Baan and Maris Mezulis

[www.hhf.ch/hhf](http://www.hhf.ch/hhf)



---

# TOUCH

## IRONMONGERY LTD



[www.atouhofbrass.co.uk](http://www.atouhofbrass.co.uk)

210 Fulham Road, Chelsea London SW10 9PJ

---

# CELEBRATING 40 YEARS

---

## One of London's leading Architectural Ironmongers

Originally called "A Touch of Brass", TOUCH changed their name in 2003 in reaction to advancing market changes in architectural Ironmongery to reflect the broader range of products and finishes that they sell.

In fact today Touch supply 20 different finishes including Brass, Satin Brass, Polished Chrome, Polished Nickel, Satin Nickel, Copper, BMA, Antique Brass, Black, Pewter, Ceramic, leather, Stainless Steel, Satin Stainless Steel, Gun Metal & 4 different shades of Bronze and the list keeps growing. Whatever finish you require, Touch can help you get the right look.

Touch occupy their recently refurbished showroom at 210 Fulham Road, Chelsea, where they stock and display a vast range of their 5,000 products. With a customer base including Architects, Interior Designers, Builders and private Individuals who are interested in the quality end of the Ironmongery market, the company also have a healthy export market to all corners of the world, namely the Middle East, Europe and the Americas.

Touch Ironmongery's owner and founder, Bill Benham, has 42 years' experience in the Ironmongery trade, as does his colleague Jim Haselup. Saleem Qureshi is the newest member of our team and has 21 years' experience, meaning their knowledge is unrivalled in this industry.

The range of products supplied by Touch date from circa 1640 French (Louise XIV) and cover all subsequent periods (Georgian, Edwardian & Victorian), Art Deco and contemporary pieces also make up the product ranges.

Touch showcases the very best of British manufacturing; the best ranges are still produced in the Midlands by craftsmen in factories dating back 200 years or more.

Touch Ironmongery have recently become suppliers for **Designer Doorware (Australia)** Who have beautiful products with a cutting edge design Metal, Wood and concrete. We also have the exclusive rights to sell the **Olaria (Barcelona)** range in the UK.

Olaria make all our bespoke products, they have incredible levels of workmanship.

Touch also sell European manufactured goods which are considered to be of a very good quality.

With trends continuously evolving new and innovative products are constantly under development.

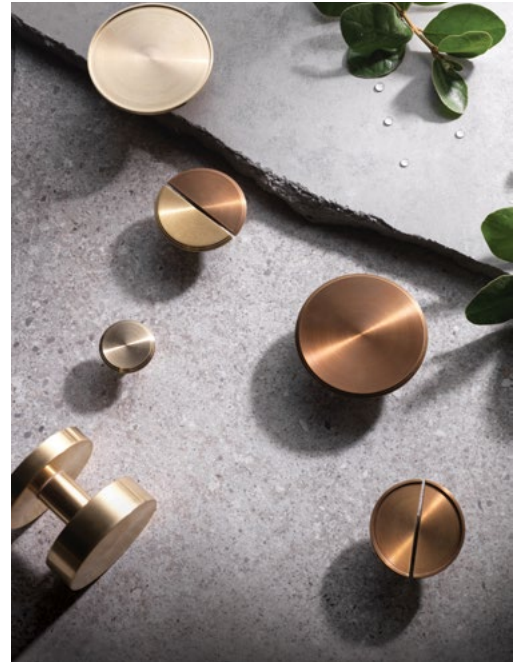
Touch understand that keeping up with the fashion-shifts is imperative in order to provide every customer with the best solution for their requirements.

Ironmongery can be a difficult and complicated aspect of a building project, as a result Touch aim to take this awkward aspect and make it user friendly and clear to understand by offering an on-site service where they carry out a detailed door by door, window by window, room by room Ironmongery schedule, highlighting all requirements and identifying all requirements.

Restoration is a large part of the business Touch will undertake complete Ironmongery refurbishment projects, and can restore old paint covered door furniture to their former glory, looking as good as new again at a fraction of the cost to replace.

**For more information about Touch Ironmongery or to arrange a showroom visit please call 0207 351 2255 or alternatively visit [www.atouhofbrass.co.uk](http://www.atouhofbrass.co.uk)**



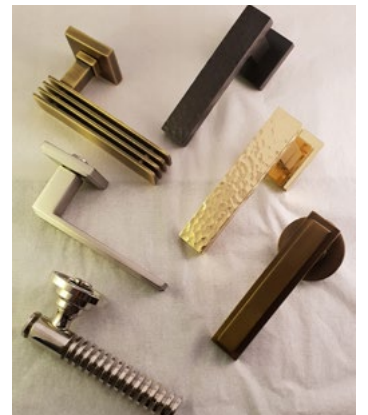


**BRITISH & EUROPEAN MANUFACTURERS  
SUPPLYING THE FINEST QUALITY IRONMONGERY**

Touch combine traditional skills with modern manufacturing techniques to produce the most beautiful, quality fittings, built to stand the test of time.

As well as specialist bespoke items, Touch supply over 1000 products, available in 23 different finishes to furnish high end residential and commercial properties, royal palaces, government houses, historic castles and stately homes.

Olaria, available from Touch Ironmongery  
[www.atochofbrass.co.uk](http://www.atochofbrass.co.uk)  
 & [www.olariabarcelona.com](http://www.olariabarcelona.com)







# ALUPROF LAUNCHES A NEW GFT SYSTEM

BY WOJCIECH BROZYNA - MD OF ALUPROF UK

The UK and Ireland have long embraced the European style systems which have now been specified in the British Isles for many decades. Many of the UK based systems companies have emulated these European systems, but still the majority of window and curtain wall systems installed in the UK and Ireland are supplied through European systems companies, that is until it comes to robust entrance door systems, or what is better known in the UK as 'Ground Floor Treatments' or 'GFT'.

In Europe, there is a preference for mitred and rebated single and double door sets for swing entrance doors for shopping centres, offices and leisure facilities. Whilst their use is on the increase, the UK and Ireland have never fully embraced such door systems and instead preferred a non-rebated commercial door fitted on either floor or overhead concealed spring closers.





“

*The system is available in two thermal variants, the ‘ST’ or ‘SI’ which is offered with EPS or polyethylene inserts between thermal breaks.*

These systems made their early debut in the 1960s when they were supplied in the UK by North American aluminium systems companies. Using framing based on a 4” x 2” profile the systems were initially used in new shopfronts and office entrances. These GFT systems are still being specified today because they offer a cost-effective, robust construction coupled with a good life expectancy.

With Aluprof’s continued growth in the UK and North America, our systems designers have been busy developing a high thermal performance GFT door and framing system to meet this market requirement. Enter our new MB-100GFT, a stand-alone thermally broken GFT system that has been developed to interface with other products in our systems portfolio.

The new system from Aluprof builds on all the features you would expect from a modern UK GFT system, namely the robust construction, anti-finger trap hinge stile, glazing options up to 48mm in width and of course class-leading thermal efficient aluminium profiles. The system is available in two thermal variants, the ‘ST’ or ‘SI’ which is offered with EPS or polyethylene inserts between thermal breaks. The SI variant allows shopfront framing to offer U values as low as 1.2 W/(m<sup>2</sup>K) and doors as low as 0.96 W/(m<sup>2</sup>K) which is currently the highest performing GFT door system available in the UK.

Using the low height, thermally broken flush threshold, doors can achieve a water tightness of class 3A (100Pa) to EN 12208, so are ideal for use for a wide range of commercial applications. Given these qualities, MB-100GFT systems provide ideal solutions for buildings that are exposed to heavy pedestrian traffic areas such as schools, hospitals, leisure facilities, shops, shopping centres and even offices. The system also promises to deliver thermal comfort and security to high-street shop owners without



compromising the aesthetics, accessibility and durability. Security options in the system include single or three-point locking or the use of panic hardware. There are also multitude of other hardware options from third-party suppliers that can also be accommodated.

The new system is now available in a wide range of finishes. Should you wish to have an introduction to the system, do not hesitate to give Aluprof UK a call.

Since setting up the Aluprof Office at the Business Design Centre in London, the company has rapidly grown their specification influence in the UK with their high-performance architectural aluminium systems. Further expansion of the company’s headquarters in Altrincham now provides specifiers with meeting facilities and an extensive showroom of commercial systems to view. With overseas growth across Europe spreading into the Middle East and firm roots already in the East of the USA, the company is becoming a global player in facade supply. Further information is available on the company’s website at [www.aluprof.co.uk](http://www.aluprof.co.uk) or direct from their UK head office in Altrincham on 0161 941 4005.





# THE SPECIALISTS IN ACCREDITED TIMBER FIRE DOORS

Sunray Timber Door Division are leading and accredited Specialist Surveyors for Fire Doors and Passive Fire Door Protection. As one of only a few organisations to hold the full FDIS (Fire Door Inspection Scheme) they are expertly placed to provide Fire Door Surveys to determine compliance to Fire and Building Regulations and as a consequence corrective remedial or replacement advice.

The Sunray Fire Door Survey provides a thorough and detailed report on each door within the remit to define compliance or noncompliance to passive fire protection. Each door is meticulously inspected to understand its potential Fire Integrity and rating.

Following the Fire Survey and outside and independently to the Surveyors role, we are able to assess the information from the report on the corrective action required and provide a quote aligned with what is needed in order to obtain conformance. The main objective and focus will be compliance, safety and expert advice on which to act.

Sunray Timber Fire Division manufactures a diverse range of Fire Doors, Screens, Partitions and Fire Breaks as part of the Building fabric.

With ratings from 30 minutes to 2 Hours of Fire Protection, the Sunray Timber Door Division product range is used in a variety of applications including Hotels, Healthcare, Schools and Government and Commercial buildings.

More recently Sunray has introduced a revolutionary new product to its range. FIRE-SECURE® is a pioneering product combining Fire and Security Integrity giving two accreditations in one product, FD30 and LPCB SR2.

This is setting new standards for passive Fire Door protection as well as providing the assurance of security against physical attack.

Within the Commercial and Residential sectors, the increased demand on passive Fire protection and Building security has intensified, with a focus on product manufacturers investing into R&D to provide specifiers with accredited, tested and proven products to meet and exceed measured performance criterias.

The FIRE-SECURE® range features are unique in their own right, however combined into one product they provide the specifier with paramount assurance to withstand the most vulnerable of applications and Passive Fire or Security Door solutions.

Without compromise to cost, the testing of the Fire-Secure® range has been the most challenging in order to achieve and exceed the standards outlined using punishing and rigorous testing through renowned UK test facilities.

The result is a Timber Door which provides aesthetics using a wide range of colour or veneer finishes, vision panels, locking options and critically with the underlying assurance of Fire and Security protection.

**For more details call our specialised team to discuss your particular project on 01233 639039 or visit our website at [www.sunraytimberdoors.co.uk](http://www.sunraytimberdoors.co.uk)**



**Design, manufacture and installation of timber fire and security door systems**

Sunray Timber Door Division  
28 Waterfront Business Park  
Station Approach  
Fleet, Hampshire GU51 3QT

Tel: 01252 645534  
E-mail: [sales@sunraytimberdoordivision.co.uk](mailto:sales@sunraytimberdoordivision.co.uk)



# Bespoke Security & Fire Door Products

Sunray is a leading supplier of Fire Rated Timber Doors. Our products are exceptional when it comes to the high quality veneer and paint finishes for Fire Doors.

- Hotels & Commercial •
- Leisure Facilities •
- Schools & Universities •
- Housing & Communal Areas •
- General Retail Outlets •



Whether you require contemporary leading brand laminates or beautiful lacquered hardwoods Sunray can manufacture stunning doors to meet your requirements.

For more details, call our specialised team to discuss your particular project on:

**01233 639039**

[sales@sunraytimberdoordivision.co.uk](mailto:sales@sunraytimberdoordivision.co.uk)

 **SUNRAY**  
TIMBER DOOR DIVISION  
[www.sunraytimberdoors.co.uk](http://www.sunraytimberdoors.co.uk)



# WHY CHOOSE CURTAIN WALLING?

As the face of a building, facades are one of the most important design elements – and curtain walling can play a critical role. While it is easy to see the aesthetic benefits of selecting curtain walling over alternative materials, the benefits of this material can be extremely far-reaching.

Let's explore five key reasons to include curtain walling in the design of modern buildings.

## 1. ULTIMATE DESIGN FREEDOM

Curtain walling equips architects with the ability to create striking glazed facades through the use of off-the-shelf and bespoke systems. In practice, architects experience complete design freedom, safe in the knowledge that suitable curtain walling systems will be able to accommodate design considerations while still delivering the desired performance and functionality required of modern buildings.

## 2. SUPPORTING SUSTAINABILITY

Sustainability is a primary consideration at every stage of a building's design, from initial planning through to construction and even once occupied. Through its design, curtain walling can contribute towards the overall sustainability of a building thanks to the individual performance characteristics of specific systems, supporting functions such as cooling and ventilation through to energy efficiency.

## 3. DELIVERING COMFORT

To be successful, a building has to do more than look good – it needs to perform well and be functional for occupants. Comfort

is a key consideration here, ensuring that interior spaces cater for the needs of those who use them. There are several layers to optimising comfort, including noise control, safety and security and daylighting. It is in these areas where curtain walling can help buildings to excel.

## 4. LEADING ON AESTHETICS

Often centre to the design of a building facade, aesthetics are integral. The trend to incorporate significant volumes of glazing into the building envelope is facilitated by curtain walling, delivering on a number of requirements, such as helping a building to fit into its surroundings, equipping it with a unique character and maximising views outwards.

## 5. UNDERPINNING PERFORMANCE

As the most basic function of the building envelope, facades need to provide a barrier against external elements. To this end, systems are expertly engineered and rigorously tested to meet the demands of modern building requirements. This includes everything from Air, Wind and Water tightness through to thermal efficiency and building movement.

As specialists in the development of sustainable architectural glazing systems, Reynaers Aluminium offers a range of market-leading curtain walling solutions. To support architects in selecting the most suitable system for their design, Reynaers has also built a dedicated Consult Team to collaborate with architects from the outset of a project.

[reynaers.co.uk](https://reynaers.co.uk)



# Design freedom without compromise

Realise your project aspirations with leading product solutions in curtain wall.

With bespoke and standardised product solutions from Reynaers Aluminium, you can rely on:

- Expertly engineered systems that perform to your thermal and acoustic requirements
- Uncompromising quality and craftsmanship
- Support that matches your project programme, timescale, and budget
- World leading curtain wall solutions
- Achieves many test standards including CWCT (dependant on variants)
- Structural glazing, unitised glazing, roof glazing and fire rated solutions available



**Together for better**

[reynaers.co.uk](https://reynaers.co.uk)

0121 421 1999 [reynaersltd@reynaers.com](mailto:reynaersltd@reynaers.com)







# Now You See It, Now You Don't: The Magic of HES3D

**HES**  
Hinge + Esprit®

**SUGATSUNE**

Japanese manufacturer of  
**LAMP**® and **ZweiL**®  
branded products

FURNITURE, ARCHITECTURAL, MARINE AND INDUSTRIAL HARDWARE

Unit 635, Wharfedale Road, Winnersh Triangle, Wokingham, RG41 5TP | Tel: 01189 272 955 Email: [sales@sugatsune.co.uk](mailto:sales@sugatsune.co.uk) | [www.sugatsune.co.uk](http://www.sugatsune.co.uk)





Concealed hinges carry a huge amount of appeal for everyone from cabinet makers to interior designers seeking a pristine finish on interior doors. Hide away the hinges, and the simple act of opening and closing a door takes on a magic of its own.

How do they do that?

There are many ways to pull off the trick. In fact, concealed hinge mechanisms can vary considerably from one application to another. Most noticeably, the types used for furniture and for doors are quite distinct from one another. They have evolved into separate markets, with certain manufacturers known for specialising in concealed cabinet hinges, others in hidden hinges for doors.

Sugatsune's HES3D range changes everything. With a groundbreaking concept, Sugatsune has become the first manufacturer to offer a single concealed hinge design suitable for doors of all sizes, from small cabinets all the way up to full size interior portals.

Elegant, compact, durable, the HES range captures everything we strive to achieve in our product designs - the perfect marriage of form and functionality, delivering premium performance wherever it is applied.

### Different challenges

For all the benefits of concealed hinges - the neat, tidy finish, the ability to reduce the gap between door and frame/ cabinet body - they do present certain design challenges. For full length doors, the standard solution for hiding away a hinge mechanism has been to embed it in a carved groove in the frame.

Not only does this make installation trickier, it is not a suitable solution for most furniture. Many cabinet doors are

overlaid in front of the face frame rather than tucked away inside it. And even when they are inset, the walls of a typical kitchen or bathroom cabinet are too thin to cut a suitable slot into.

Concealed cabinet hinges therefore have to be mounted flush on the interior surface. This in turn creates the need for a double pivot, allowing the door to move 'out and open' to swing free of the face frame. That has led to the development of the elongated multi-pivot hinge arm that is now a familiar property of most concealed furniture hinges on the market.

It's a design that marks concealed cabinet hinges out from the equivalent products for doors. While these long hinge arms are hidden from sight inside a cabinet when the door is closed, on a two-way door there is no such place to hide them.

### Simple ingenuity

The Sugatsune HES3D series brings the twin tracks of concealed hinge development back together. From the HES3D-70 to the HES3D-190, the range provides a solution for small cabinet doors weighing no more than 9kg all the way up to heavy duty doors weighing a maximum of 125kg. Ten products, one stunning design concept - a concealed hinge for every purpose.

The secret to the trick? A design built around a reimagined butt hinge, with the single central pivot replaced by three or five rotating pivot points and shortened in length. In opening, this multiple pivot ensures the door clears the frame however it is mounted. When closed, this shortened barrel tucks neatly away into recesses on either side. Rather than protruding, the re-engineered barrel is hidden from sight between stile and frame.

A deceptively simple solution to a long-standing problem. Just the kind of design challenge we thrive on.

### Mounting made easy

As any carpenter or cabinet maker knows, hanging a door is a skilled business because of the precision needed in positioning both sides of a hinge. Getting this right when one half is already attached either to a door or frame/cabinet interior is tricky.

HES3D hinges allow the hinge mechanism to be unclipped from one side of the base, meaning you can install the frame plate without having to hold the door in position. The two halves of the hinge then just slot back together.

Once installed, HES3D hinges also offer three-way adjustment - hence the '3D' in the name - providing precision control for the perfect finish.

### Style as well as substance

As with all of our products, the HES3D range is built with aesthetics in mind as much as functionality. Sure, the purpose of a concealed hinge is to remain hidden from view when the door is closed for a flawless finish. But what about when the door is open?

The compact, symmetrical nature of the HES3D 'butterfly' design lends itself perfectly to situations where appearances matter, at all times. Stylistically, HES3D hinges are a step forward from the elongated arm concealed cabinet hinge types, providing furniture manufacturers with a premium option.

To support this, we offer HES3D hinges in three colours as standard - nickel, gold and black. We can also arrange for custom finishes to suit special design requirements.

# TAKING AN ALTERNATIVE APPROACH TO PRODUCT INNOVATION AND CERTIFICATION

The construction sector is currently facing one of its biggest transitions to date. As specifying and installing building products that go above and beyond minimum levels of compliance is paramount to ensuring the long-term safety of a building, here Marcus Parnham, Commercial Director at Profab Access, discusses the importance of adequate product testing and certification.

As the Grenfell Inquiry's second phase continues, further admissions regarding the performance of England's current building safety regime are set to come to light to inform policy makers as they consider new legislation and testing regimes.

No longer will just meeting current standards and regulations be acceptable. In this new era of accountability, it is imperative that the industry sets the standard in achieving a proactive and comprehensive approach to building safety.

First raised in Dame Hackitt's Independent Review of Building Regulations and Fire Safety, the fire-resistance of a building product should be tested in 'real-world conditions' to ensure that all performance figures stated by the manufacturer are factual and represent the final installation. Whilst some manufacturers may currently only conduct product assessments via a third party, others have responded to Dame Hackitt's findings and have adopted a proactive approach to the testing, certification and verification of their products.

Profab Access has led the way in increasing standards within this area, being the first manufacturer in the UK to bi-directionally fire test its riser doors via an independent third party. As the riser door is physically tested in both directions, it offers the highest levels of fire safety, as professionals can

be confident the riser door will withstand exposure to fire and smoke from both directions for the certified time period.

This adequately prevents the spread of fire throughout a multi-storey building as the opportunity for the fire to enter the riser shaft through a riser door located in a corridor and exit through another riser door in a different area or floor of the building is entirely eliminated because both sides of the door have been successfully tested.

Professionals should look to work with manufacturers that are taking this commitment to third party testing and certification even further through latest advancements in technology and product design, which are providing a revolutionary approach to the installation and maintenance processes.

This includes the new PRECISION adjustable frame, which is supplied as standard with the Profab Access INTEGRA 4000 Series Fire Rated Riser Door. The product's unique construction enables the frame to precisely adjust to the specific dimensions of each structural opening, without the need for traditionally used packers during installation, dramatically reducing fitting times and superseding current building regulations.

The frame also eliminates the need for intumescent mastic bead application as a secondary operation on site, as it utilises a factory applied, integral, all-in-one smoke, intumescent and acoustic FS1000 seal to provide fire stopping between the frame and the wall. Whilst eliminating the reliance of the correct thickness of intumescent mastic bead, it most importantly ensures the compliance and adequacy of the entire installation, as its fire integrity performance has been sufficiently documented by an independent assessor. As a result, this also subsequently increases the efficiencies of installation and removes any potential margins for error.

As the construction sector continues to unearth deep rooted issues regarding the development, testing and certification of products, we are already starting to see proficient changes in action, as manufacturers, architects, specifiers and contractors work together to create and communicate an uninterrupted set of information and certification that goes above and beyond adhering to current regulations to achieve best in class specifications that will continue to perform for the entire lifecycle of the building.

For further information on Profab Access and its range of riser doors, access panels, and steel doors, call +44(0)1827 719051 or visit [www.profabaccess.com](http://www.profabaccess.com).





*“As an architect  
I want to specify products  
that ensure legal compliance”*



*“As a contractor I want  
a doorset that’s faster and  
simpler to install”*



## Introducing our new **PRECISION** adjustable frame for riser doors

Our PRECISION adjustable frame\* makes fitting our riser doors a dream.

- Fully self-adjusting to the specific dimensions of each structural opening
- No plastic packers required
- No intumescent mastic application required
- Certifire accredited and bi-directionally tested for fire integrity up to 2 hours
- Environmentally friendly and fully recyclable

Given the choice, why would you specify anything less?

**SAFER • FASTER • SIMPLER**

**certifire**

**MADE IN  
BRITAIN**



Call us on 01827 718 222 [www.profabaccess.com](http://www.profabaccess.com)



**PROFAB**  
RISER DOORS





# SUSTAINABILITY...IN YOUR POCKET!

Rocket Door Frames Ltd, manufacturers of the only 100% steel pocket door system on the market, have moved into a brand new production facility with not only state-of-the-art production systems but also with a focus on the sustainability of the whole production and functionality of the unit.

It has been designed by local architects and engineers to meet or exceed the Minimum Environmental Criteria (MEC) currently used to define Green Public Procurement : green criteria designed to prompt public bodies in Europe to purchase green goods and services, with the lowest possible environmental impact throughout their life-cycle. This is now becoming legislation on continental Europe. See [https://ec.europa.eu/environment/gpp/eu\\_gpp\\_criteria\\_en.htm](https://ec.europa.eu/environment/gpp/eu_gpp_criteria_en.htm)

From the very beginning this was at the forefront of the design, an examples of this are the efforts placed in the thermic insulation of the basic structure and the layout of the production system and offices to maximise the management of heat transfer and harvesting.



The production itself is almost completely supplied with energy from photovoltaic cells installed on the roof and supplying 200KW of energy to the machinery and offices. These were also manufactured and installed by companies local to the factory.

Being the only 100% steel pocket door system on the market it was important that all the steel used for Rocket Door Frames is from suppliers who use recycled steel which in itself is 100% recyclable. The packaging has been designed in house and uses 100% recycled carton tubing with steel end caps for strength.

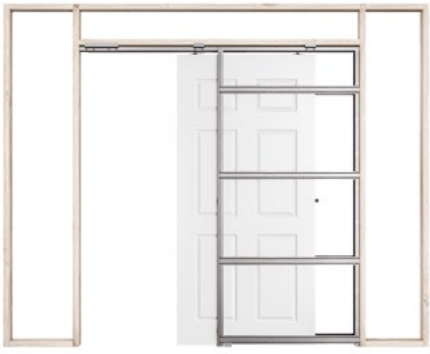
Based in Northern Italy near Treviso Rocket Door Frames are distributed throughout the UK by their distribution centre in Grantham Lincolnshire.

**TEL: 03309980617 | Email: [Info@rocketdoorframes.co.uk](mailto:Info@rocketdoorframes.co.uk)  
Web: [www.rocketdoorframes.co.uk](http://www.rocketdoorframes.co.uk)**





# ROCKET POCKET DOORS



## Why specify Rocket Pocket Door Systems?

- Strength** - 100% steel system
- Warranty** - a lifetime guarantee
- Reliability** - sealed for life bearings
- Simple fit** - matches std CLS or Steel stud
- Cost** - a lot less than you might think!



 **Rocket Door Frames**

TEL 0330 998 0617

EMAIL [info@rocketdoorframes.co.uk](mailto:info@rocketdoorframes.co.uk)

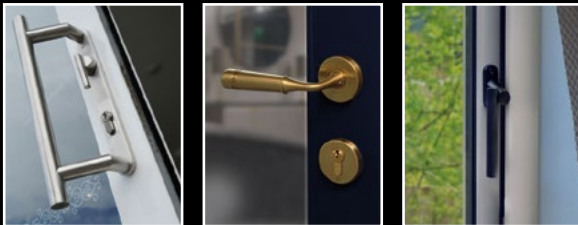
WEB [www.rocketdoorframes.co.uk](http://www.rocketdoorframes.co.uk)

## The Best Door & Window Hardware to Specify?



Our BLU™ Door & Window hardware is:

- 316 Marine Grade Stainless Steel
- Suitable for use on or near the Coast and in Acidic Timber
- Designed for Durability & Performance



To view the finishes and the range, request your free BLU™ Book on [sales@coastal-group.com](mailto:sales@coastal-group.com) or call 01726 871 025. Or view online at:



[www.coastal-group.com/brand](http://www.coastal-group.com/brand)

See us on:



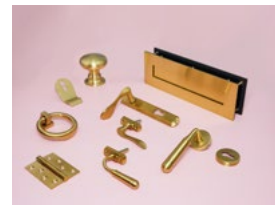
## COASTAL GROUP'S BLU HARDWARE COMBINES STYLE WITH DURABILITY AT CARBIS BAY HOTEL

Coastal's BLU Range of 316 Marine Grade Stainless Steel Hardware has been fitted to several projects now at the luxurious Carbis Bay Hotel & Estate, including the Beach Lodges and new Orangery.

With such an amazing location right on the coast, the architects responsible for the development were well aware of the impact the corrosive saline air in the atmosphere could have on the look and performance of the doors and windows. A hardware solution was needed that combined faultless performance with the right aesthetics and protection from corrosion.

What set Coastal's BLU Hardware Range apart from other hardware providers was its winning design combination of style and performance. Combine this with the fact the BLU Range is made from 316 Marine Grade Stainless Steel – the best metal to withstand corrosion – and it quickly became the obvious hardware to specify.


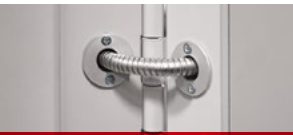
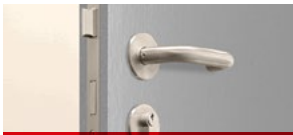

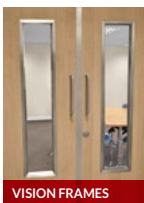



The BLU Hardware range is available in contemporary and classic styles and suited across several finishes including the new PVD Stainless Satin Brass and Black. It also comes with a Lifetime Guarantee for extra peace of mind.



You can view more information on Coastal's BLU 316 Marine Grade Stainless Steel Hardware on our NBS Coastal Group Profile or on our website [www.coastal-group.com](http://www.coastal-group.com)

01726 871 025  
[www.coastal-group.com](http://www.coastal-group.com)



	
<b>PORTHOLES</b>	<b>LOUVRES</b>
	
<b>POWER TRANSFER UNITS</b>	<b>LOCKS AND CYLINDERS</b>
	
<b>FLUSH BOLTS</b>	<b>VISION FRAMES</b>
<b>SPECIALIST ARCHITECTURAL HARDWARE SUPPLIERS TO THE DOOR OPENINGS INDUSTRY</b>	
	
<b>FINGER PROTECTION</b>	<b>DOOR STAYS</b>
	
<b>PANIC HARDWARE</b>	<b>ACOUSTIC SEALS</b>

ZERO SEAL SYSTEMS LTD  
 UNITS 43-45 LADFORD COVERT SEIGHFORD STAFFORD ST18 9QG  
 TEL - 01785 282910 E-MAIL - SALES@ZEROPLUS.CO.UK  
 WWW.ZEROPLUS.CO.UK

**ZEROplus**

# CLEMENT®

*creating light...beautifully™*

## Steel Windows and Doors by Clement

Crafted by experts in steel fenestration and building conservation.

Regularly specified by architects and conservation officers, our windows are the ideal solution for your project. Our approach is to work with you and other professionals to produce window designs that are visually stunning and offer high technical performance, whilst respecting important heritage and planning objectives.



*superb steel windows, doors and conservation rooflights*

Clement House, Haslemere, Surrey GU27 1HR  
 Telephone: 01428 643393 [clementwindows.co.uk](http://clementwindows.co.uk) [info@clementwg.co.uk](mailto:info@clementwg.co.uk)






## High Quality Decorative Glass Films Over 300 Styles for Bathrooms, Kitchens & Living Areas!

			
<b>Textured Designs</b>	<b>Coloured Designs</b>	<b>Frosted Designs</b>	<b>Patterned Designs</b>



**Save 15%!\***

**Enter Code: SAVE15 at Checkout!**

**+44 (0) 800 970 6366** | **[www.glassfilms.eu](http://www.glassfilms.eu)**

\*Discount valid until 31st March 2022. Applies to orders placed at [www.glassfilms.eu](http://www.glassfilms.eu).





# STUNNING ARCHITECTURAL APPLICATIONS

---

## SHINING A LIGHT ON THE POTENTIAL OF ANODIZING ALUMINUM

Aluminum creates a sophisticated look that can transform an application and, in many applications, including architecture, it can be anodized - a process that protects against corrosion, enhances aesthetics, resists scratching and is very durable.

Just over a decade ago the Belarussian aluminum floor coverings company KTM-2000 decided to invest seriously in the construction of its own anodizing line and, in addition to its existing business, it added the anodizing of aluminum façade claddings to its catalogue. The rest, as they say, is history.

“In 2014 I met Clariant and its distributor for its anodized aluminum colors, Omya. After the inspiration of these meetings, we decided that Clariant’s dyes could significantly expand KTM-2000’s capabilities, and the three-way partnership would help





“

*This three-way KTM-2000-Omya-Clariant partnership shows the advantage and possibilities of working with color and anodized aluminum, and it looks set to continue.*

our business gain the experience to make a unique offer on the market,” said Taras Gvozdokov, CEO of KTM-2000. Clariant’s portfolio for aluminum finishing for Europe, North Africa and the Middle East is available through its exclusive distributor Omya (Schweiz) AG.

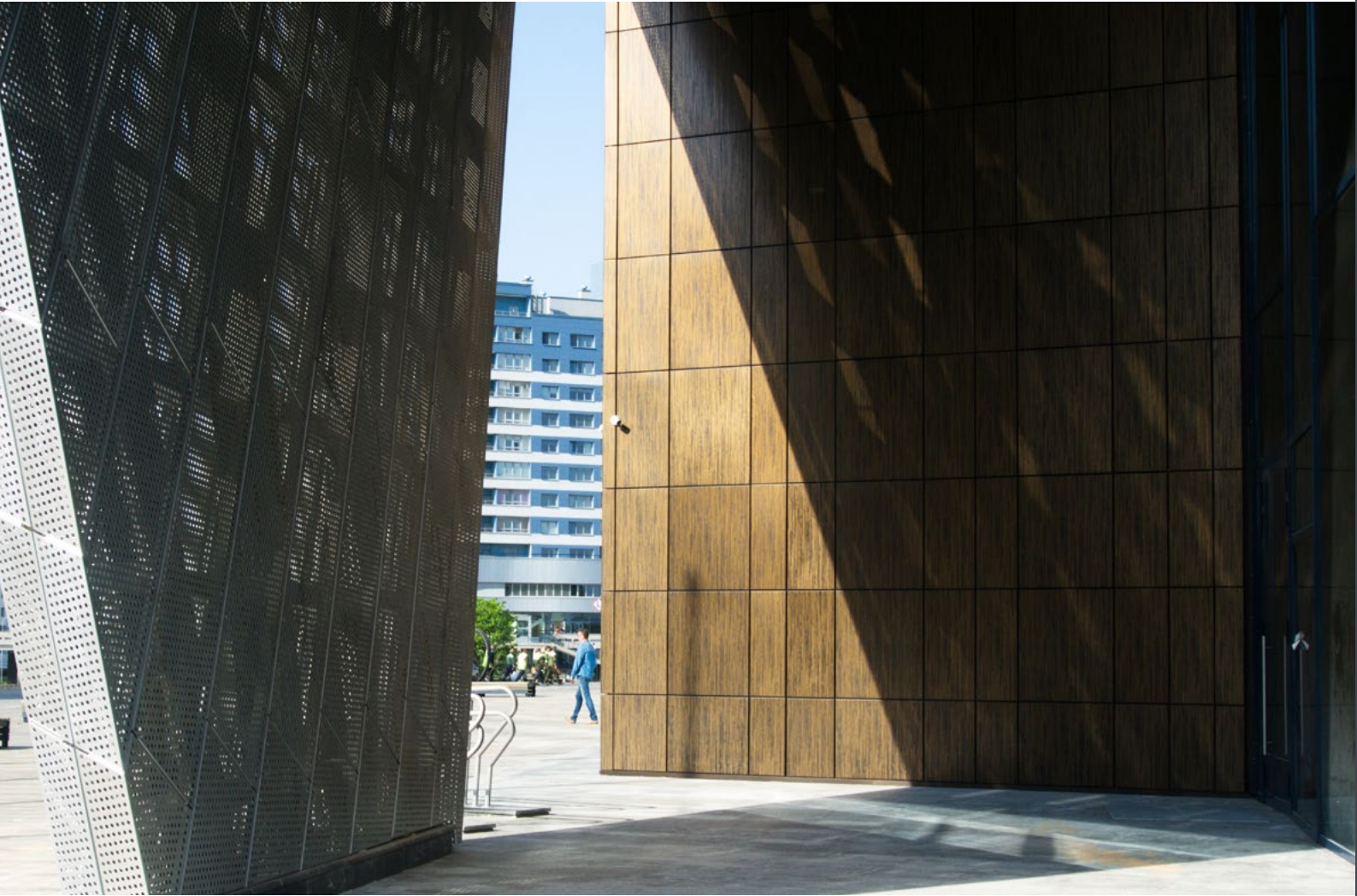
In quick succession KTM-2000 was commissioned to produce the façade of the Office of the 3rd line of the Minsk Metro and the façade of the Primakov school in a region of Moscow.

“Clariant and Omya helped KTM-2000 through these projects in a collaborative way, overcoming challenges through technical consulting and on-site trainings and workshops. The results spoke for themselves with finishes that display excellent light and weather fastness - unique in the industry, scratch resistance, corrosion stability, surface hardness, and heavy-metal free formulation,” explained Andreas van Baerle, Head of Sales Aluminium Finishing EMEA at Omya.

These led to the KTM-2000’s most significant project to date, the Palace of Rhythmic Gymnastics in Minsk where experience acquired from earlier commissions proved critical. “We had to complete the project in a very short time and finish a 10’000 square meter facade with 12 different color shades. It was a real challenge, but we developed 18 new work methods and new technological approaches to color anodizing. As a result, we completed the project on time and in just 70 days,” explained Gvozdokov.







Clariant's palette of high-quality colorants for aluminum finishing is one of the broadest in the industry, with tailor-made solutions focused on improved sustainability and energy efficiency. The range of dyes and aluminum finishing chemicals are manufactured according to strict Swiss safety and environmental requirements and are suitable for outdoor and indoor architectural applications. The Sanodal® range of dyes, used in this partnership, offers exceptional light and weather fastness properties, in a broad range of shades.



“  
***Clariant's palette of high-quality colorants for aluminum finishing is one of the broadest in the industry, with tailor-made solutions focused on improved sustainability and energy efficiency.***”

In addition, based on clients' complex individual requirements, with Omya, Clariant can offer technical customer services for all the steps in a production process, operation support, and workflow optimization, provided locally by Clariant technical centers and regional exclusive partners wherever possible. This support ensures that dyeing processes are optimized, aiding the development of special products and solutions to enhance end-products such as car parts, electrical devices and appliances.

This three-way KTM-2000-Omya-Clariant partnership shows the advantage and possibilities of working with color and anodized aluminum, and it looks set to continue. “Thanks to the partnership with Clariant and Omya, KTM-2000 has achieved success and completed some significant projects, but we believe that the most interesting projects are still ahead!” concludes Gvozdkov.

**For more information on Clariant's aluminum finishing solutions, please visit [www.clariant.com/Aluminum-Finishing](http://www.clariant.com/Aluminum-Finishing).**






QUALITY BY ASSOCIATION

— ESTD 1974 —

# SPECIFY CFA MEMBERS FOR YOUR NEXT PROJECT AND MINIMIZE COSTLY FLOORING FAILURES



**Why choose a CFA member to install your flooring?**

Specifying a CFA member for your next flooring project could mean the difference between success — or a flooring failure. Most of the UK’s largest and best known Manufacturers, Distributors, Contractors and Consultants are CFA members — and for good reason.

- CFA members promote high standards, knowledge and expertise
- CFA members will maximize your investment and minimize costly flooring failures — which is good for your client, good for your reputation and also helps promote future business
- All members have to pass a vetting process



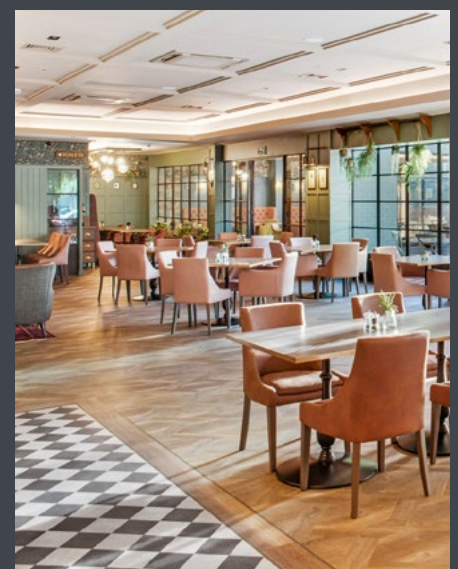
See the “Downloads” section at [www.cfa.org.uk](http://www.cfa.org.uk) and download our leaflet TODAY



Courtesy of Forbo Flooring UK Ltd



Courtesy of Loughton Contracts plc



Courtesy of Amtico International



# CHOOSING THE RIGHT WOOD FINISH FOR YOUR PROJECT

PAUL THOMPSON, SALES DIRECTOR OF OSMO UK, THE FLOORING AND FINISHES SPECIALIST, PROVIDES AN INSIGHT INTO WHAT DIFFERENT WOOD FINISHES CAN ACHIEVE

Wooden flooring is a beautiful feature, but as an organic matter, it will continue to need nourishment to ensure it stays in the best possible condition, both aesthetically and structurally. Our advice is to make use of a high-quality finish, full of natural ingredients to complement the woods properties. This will ensure that the wood continues to breathe and respond well to environmental conditions, removing any possibility of cracking or and blistering.

## PROTECTION

A desired result by many architects, is a natural 'rustic' look to enhance the natural beauty of the wood. To maintain this, the finish applied needs to add durability to the wood surface, protecting it from every day wear-and-tear, stains and dirt. In this situation, a clear matt finish would be the answer. The finish will not detract from the overall look of the natural wood, but will make it more robust, adding to the longevity. Oil/wax finishes penetrate deeply into the wood to create a micro-porous finish. This allows the wood to breathe, moisture to evaporate and ensures a flawless finish both upon application and for many years to come.

After treatment, the wood is strengthened from within and retains its elasticity. It becomes water repellent, stain resistant and more hard-wearing, because it meets the wood's natural demands and does not crack, flake, peel or blister.

## RECOMMENDED FINISH - POLYX®-OIL ORIGINAL

Offering all the professional features of a traditional oil-based finish, Polyx®-Oil combines the smooth surface of conventional lacquers, and the ease of application of a water-based finish. If time is of the essence, opt for Polyx®-Oil Rapid. As the name suggests, Polyx®-Oil Rapid provides a superior finish in extra quick time. In fact, the short drying time allows two coats to be applied in just one day – and there is no need to use a primer.

## COLOUR

Another feature of wooden finishes is the ability to apply colour to your flooring. Tired or dull floors can quickly be converted to gain a vibrant and exciting appearance. Whether it is a simple tint to change the shade of the wood, or a complete overhaul to a refreshing and bold colour tone – this can be a quick-fix way of improving the appearance of the room. The products which are available on the market have been designed to combine creative design and perfect protection. Not only does it offer visual enhancement, but also a finish that maintains the natural characteristics of the wood.

## RECOMMENDED FINISH - POLYX®-OIL TINTS

Osmo Polyx®-Oil Tints bring a touch of elegance to any room,



offering protection and colour whilst leaving the wood grain visible. The range of protective wood finishes includes colours such as white, honey, amber, terra, graphite and black.

## SAFETY

Depending on the location of the floor, safety needs to be considered when specifying the finish. Like any hard-flooring material, wood can become slippery when wet, resulting in a slip hazard. To rectify this issue, many anti-slip finishes have been introduced to the UK market. These products apply a clear anti-slip finish to the floor, which doesn't compromise the overall appearance.

## RECOMMENDED FINISH - POLYX®-OIL ANTI-SLIP

Polyx®-Oil Anti-Slip increases the slip resistance of frequently maintained flooring areas. The surface retains its natural appearance while the fine structure particles in the finish prevent it from becoming slippery.

Prior to the application of finishes, it is essential to ensure the flooring is adequately prepared in order to achieve the best results. Whether it be a newly laid floor or a renovation project, sanding is essential. Without proper preparation and the removal of pre-existing treatments and varnishes, new finishes may appear uneven and will not saturate the surface sufficiently enough to perform the required job.

For more information on Osmo and its range of environmentally friendly wooden products and finishes, call Osmo UK direct on 01296 481220 or alternatively visit [www.osmouk.com](http://www.osmouk.com).



# POLYX-OIL ORIGINAL

Protects with a  
Natural Look



3062 MATT

- Natural Ingredients
- Highly water repellent
- Extremely hardwearing
- Natural look, light reflections are defused.



Environmentally Friendly!  
Osmo uses carefully  
harvested natural oils and  
hard waxes for its finishes.

[www.osmouk.com](http://www.osmouk.com)







# NET ZERO PIONEER FUTUREBUILD RETURNS FOR 2022

Futurebuild, the event that's championed a sustainable built environment for the past 16 years will take place from March 1 to 3, 2022, at the ExCeL London. This event will connect specifiers, decision makers and disruptors with major brands and start-ups from across the built environment.

Following the announcement of the UK Government 'Net Zero Strategy; Build Back Greener', and COP26 conference in 2021, Futurebuild, previously Ecobuild, will be perfectly timed to focus on these key issues and the actions needed. The focus is no longer about ambition — it is about delivery. As the only event to attract 20,000+ senior professionals from right across the built environment, Futurebuild is the perfect opportunity for the industry to meet and collaborate together, to achieve the transformational change needed if the built environment is going to reach net zero.

As the home of innovation, Futurebuild 2022 will be organised

into six sections — Buildings, Offsite, Interiors, Resourceful Materials, Energy and Critical Infrastructure. The curated event will showcase over 250 leading brands, the companies who are developing the most innovative technologies, products and solutions. Visitors can participate in the innovation trail, which highlights the event's innovation partners. The winners of the Big Innovation Pitch, a competition that celebrates new approaches to the biggest challenges facing the industry, will also be announced during the event.

"Now it is more important than ever to meet in person and do business face to face because our exhibitors and attendees are all working towards a common goal — achieving net zero" explains Martin Hurn, event director at Futurebuild. "To ensure we can deliver a sustainable future we've curated an event that cultivates cross-sector collaboration, addresses key industry issues and inspires transformational change."





*Now it is more important than ever to meet in person and do business face to face because our exhibitors and attendees are all working towards a common goal — achieving net zero.*

The event will also feature six spotlights, Digital Impact in partnership with Glider, Whole House Retrofit in partnership with the Retrofit Academy, Circular Materials in partnership with 540 World, District Energy in partnership with UKDEA, Future Installer in partnership with MCS and Intelligent Buildings in partnership with KNX. These spotlights will include a mixture of presentations, discussions and practical demonstrations that will cover the fundamental issues facing the built environment.

The Whole House Retrofit spotlight, for example, will showcase products and services that can underpin whole house retrofit at scale. The providers will offer suggestions about best practice during retrofitting, including alternative heat solutions, sustainable timber suggestions and rainwater harvesting. The Intelligent Building spotlight will inform the industry on the smart products and technologies that will make buildings more intelligent, help minimise environmental impact and reduce costs for the end user. Attendees will be able to learn about new smart products, such as innovative heat pump technology, lightweight windowsills and ventilation solutions.

Visitors can also attend Futurebuild’s renowned knowledge programme, which includes a conference programme sponsored by Construction Innovation Hub that will explore ambition towards net zero on a macro-level, as well as two keynote stages. Each keynote stage session will be delivered by industry-leading partners and associations such as the RIBA, Passivhaus Trust, MCS, BEIS, MPBA, ASBP, Good Homes Alliance, The Concrete Centre and many more.

The first conference day will focus on the built environment’s actions beyond COP26. The current physical impacts of climate change highlight the need for developing long-term resilience at the same time as reducing emissions, restoring natural resources and biodiversity, ensuring a sustainable food supply and recognising

## JACKON IS ‘FUTURE HOMES READY’ AT FUTUREBUILD

Stand: H50

At Futurebuild this year JACKON will be promoting the fact that it is Future Homes ready. The company’s building systems are ready for the rigorous new u-value targets for new-builds, when these come into effect in 2025 as part of the Future Homes Standard.



JACKON’s THERMOMUR® ICF and JACKODUR® ATLAS ranges already meet or exceed the new targets for thermal insulation. The THERMOMUR® 350 Super range - currently the company’s best-selling range in the UK - already achieves 0.15 for walls with no added materials, and the JACKODUR® ATLAS system can be designed to achieve 0.11.

Visitors to the company’s stand at the Show will be able to find out more about the benefits that JACKON’s 60 years’ expertise in XPS and EPS manufacturing can bring to your construction project. JACKON building systems make a positive contribution to the construction of highly energy-efficient buildings due to very low energy inputs required for heating or cooling.

**More information on JACKON’s products is available on the company’s new website at [www.jackon.co.uk](http://www.jackon.co.uk)**

the impacts of climate change on human health and wellbeing. The session will focus on the actions that the UK construction industry should take — starting now.

If you’re interested in visiting Futurebuild 2022 and exploring the most innovative products and solutions in the built environment, register for your place at [https://registration.gesevent.com/survey/2gw3r66uer34i?actioncode=OTH1&utm\\_source=Stone%20Junction&utm\\_medium=HN&utm\\_id=FBDO04](https://registration.gesevent.com/survey/2gw3r66uer34i?actioncode=OTH1&utm_source=Stone%20Junction&utm_medium=HN&utm_id=FBDO04).





# THE FUTURE OF THE BUILT ENVIRONMENT

Join us at Futurebuild 2022

Futurebuild is the home of innovation and the essential platform connecting specifiers, decision makers and disruptors in architectural technology with major brands and start-ups from across the built environment.

The curated exhibition alongside the world class knowledge programme will inspire the change needed to propel the construction industry to net-zero. Now is the time for you to act, join your industry by registering today.

**Register now**





## Beautiful Designer Ceiling Fans



Powerful - Stylish - Reliable - Silent



**THE HENLEY FAN COMPANY LTD**



01256 636 509  
www.henleyfan.com

The comfortable solution for warmth where you want it, when you want it... guaranteed

- ◆ efficient
- ◆ controllable
- ◆ professionally installed
- ◆ nationwide suppliers
- ◆ ideal for conversions & retrofits



electrical underfloor heating by **SPEEDHEAT**

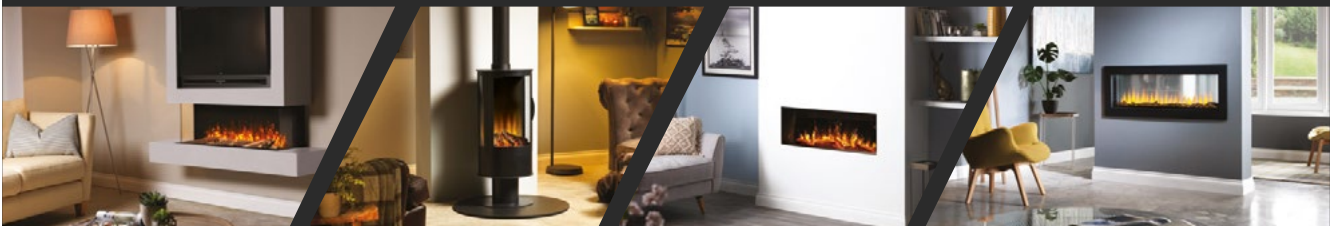
comfort from the ground up

Speedheat UK  
Iona House, Stratford Road,  
Wicken, Milton Keynes, MK19 6DF  
tel: 01908 562211 email: info@speedheat.co.uk



www.speedheat.co.uk

## LUXURY MEDIA WALL ELECTRIC FIRES



**BUILT IN FIRES ● STOVE ● TUNNEL ● INSET ● SUITES**

INFO@SOLUTIONFIRES.CO.UK

01462 813138

Facebook icon @SOLUTIONFIRES Instagram icon



EXCELLENCE IN ELECTRIC

WWW.SOLUTIONFIRES.CO.UK

# ALL YOUR HEATING / COOLING NEEDS 100% FREE

By introducing eutectic products into a radiant heating system, it is possible to capture excess heating during day time using conventional solar collectors such as vacuum collectors or PV Thermal collectors and store the free solar energy within the floor Phase Change Material thermal energy storage (PCMTES) and in return over-night this stored energy acts as a radiant heating floor and keep the occupied space warm.

As the heating can be provided without using any primary energy source it offers an unparalleled environmentally friendly and cost-effective solution for both domestic and commercial heating applications. Furthermore, as PCM-TES has no moving parts it also offers a maintenance free heating system.

## THINICE CONCEPT

By simple adding 27°C (81°F) ~ 34°C (93°F) phase change material (PCM) encapsulated in sealed HDPE modules one can increase the heat storage capacity of the floor screed by 50-fold.

As this material captures energy by melting and releases it when it freezes using solar free energy it offers a cost effective and environmentally friendly heating option.

If required a small scale heat pump can be incorporated not only to top up this heating but also provide the hot water requirements and even the possibility of running this small heat pump from solar PV cells and may be during off-peak hours one can provide a reliable and very low running cost system with very attractive return on investment.

Thanks to there being no moving parts, PCM TES is effectively maintenance free and once installed it simply becomes part of the building.

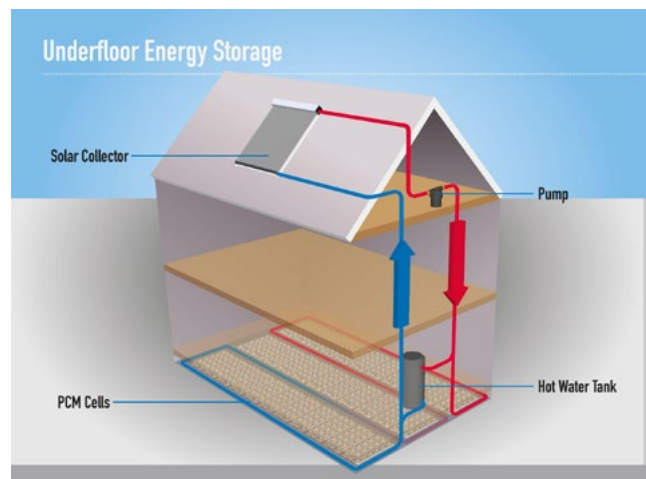
Each module features a number of grooves which are optimally spaced out for runs of underfloor heat pipes, this close contact with the PCM ensures the best heat transfer possible. They allow for pipe lengths to be easily held in place during the installation process requiring no specialist skills.

## INSTALLATION

At normal conditions the PCM will be in solid form, making the modules very robust. Rows of modules can be laid directly on top of the insulation layer replacing conventional castellated panels. This creates a grid which allows the heating pipe to be laid easily, holding the heat pipe in place throughout the screeding process to ensure that the finished underfloor heating system will distribute heat evenly.

## PASSIVE COOLING

It is also possible to use ThinICE modules for free cooling simple placing them within the ceiling area whereby over-night cooler space conditions freeze the PCM and in return during day heat



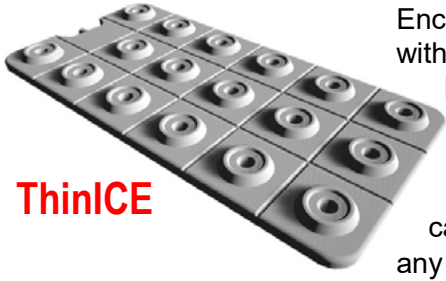
gains can be absorbed by the PCM like a heat sponge. As long as the sponge i.e. PCM panels big enough to soak up the daily heat gains the occupied spaces will remain cooler in comparison without any thermal storage facility. This passive cooling concept could be either static passive or can be complimented with cooling pipes as in then case of chilled ceiling concept.

Like heating as no moving parts, PCM-TES passive cooling concept offers very attractive low running cost and as the concept utilising free energy it offers a very attractive environmentally friendly cooling options for many domestic and commercial applications.

**Further details and any application contact our technical team;**  
**e-mail: [info@pcmproducts.net](mailto:info@pcmproducts.net) Tel.: +44-(0)-1733 245511**  
**[www.pcmproducts.net](http://www.pcmproducts.net)**



## UNDER FLOOR HEATING THERMAL ENERGY STORAGE

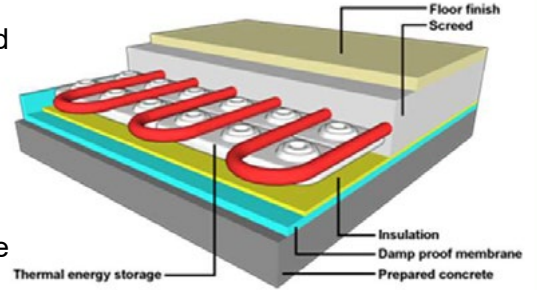


**ThinICE**

Encapsulated ThinICE containers filled with 27~32C (81~90F) Phase Change Material is ideal to store any excess energy and over comes any overheating.

This Thermal Energy Storage capability provides a useful tool to store any free energy such as solar as well as

shifting the loads from peak to off-peak periods for any domestic or commercial heating applications.



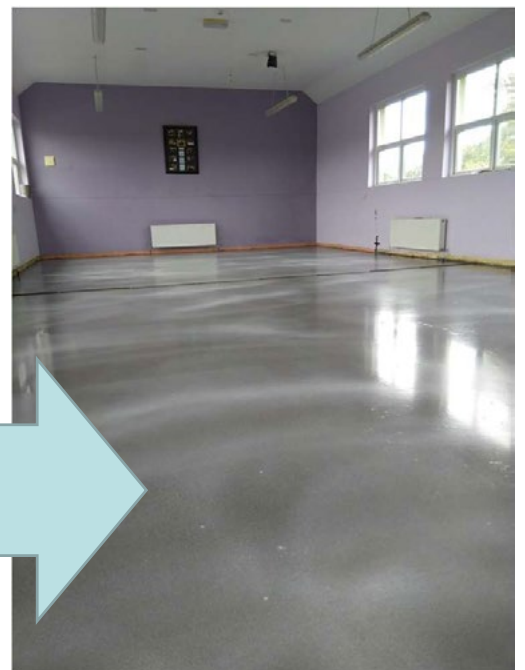
A typical installation is illustrated below and ThinICE is designed to house any standard underfloor heating pipes within the built in grooves. Once the pipes are laid down over the ThinICE containers any standard floor levelling compound can be poured over the pipes to level the floor. Any screed and floor finishing materials can be applied like any standard underfloor installation. As the PCM material temperature is fixed this thermal energy storage within the floor mass will keep the floor temperatures steady irrespective of the incoming heating water supply temperatures.



### HEADER



### Floor Finish



# Rinnai

## RINNAI AIMS FOR NET ZERO BEFORE 2050

---



RINNAI HAS RELEASED ITS GLOBAL “INNOVATION MANIFESTO,” WHICH PLOTS A PATH TOWARDS NETZERO EMISSIONS BY 2050, WITHOUT NEGATING QUALITY IN PRODUCT DESIGN, INNOVATION AND CUSTOMER VALUE FOR MONEY

Rinnai’s “Innovation Manifesto” is formatted into four segments: Background to Carbon Neutrality; Initiatives and Directives to Realize Low-Carbon and Decarbonized Society; Reducing CO2 Emissions from Business Activities; and finally: Investing in Carbon Neutrality.

Says Rinnai UK Managing Director Tony Gittings, “It is a statement of firm commitment by Rinnai concerning environmental issues and the need to accept collective responsibility. We must do this - there is no Planet B. Rinnai is taking action to ensure that it is carbon neutral as soon as is realistically possible across its global estate. We are a business based on engineering excellence and are employing technological creativity to achieve the targets. It will mean, in the UK that we begin to offer a wider range of products to enable our customers to achieve their own carbon reductions and eventual neutrality.”

Within the manifesto Rinnai present a truthful appraisal of carbon emissions from production, products in use and procurement phases. Rinnai has identified these three areas as requiring targeted action to achieve reductions in emissions.

Accumulated data reveals 95% of these emissions are produced during the working life cycle of a Rinnai product; the remaining 5% occur throughout procuring materials, manufacturing, transport and disposal.

The Rinnai Manifesto details plans to halve emission created by Rinnai products and manufacturing processes by 2030. Technological innovations that allow hydrogen gas mixes to be applied to Rinnai products will assist in our mid-term ecological ambitions.

By 2050 further developments in this field and full-scale international hydrogen energy transition will enable Rinnai products to be manufactured and accept 100% clean energy. Rinnai products will be entirely clean from the obtaining of materials through to disposal of merchandise.

Rinnai is actively assisting international hydrogen development. Combustion tests on 20% - 30% hydrogen gas blends are being carried out on existing products in the UK, US and Italy.



“

***Rinnai will adapt its range of products to include original hybrid water heating systems throughout the 2020s and electrified heat pumps.***

A line of hydrogen ready products already exists in the UK, (N1300i, N1300e, N1600i, and N1600e), whilst Rinnai Japan are spearheading technological innovations that facilitate 100% hydrogen usage in collaboration with other countries.

Rinnai will adapt its range of products to include original hybrid water heating systems throughout the 2020s and electrified heat pumps. Once hydrogen combustion is globally operational Rinnai products will be well placed to accept 100% green energy.

Rinnai is keen to expand its personal sense of environmental responsibility to office and factory working practises. A corporate plan has been structured to ensure that Rinnai offices and factories across the world will be carbon neutral by 2050.

All Rinnai factories and offices will deploy green electricity and carefully directed energy creation to halve Rinnai industry emissions by 2030. The introduction of fossil-fuel free technology and widespread promotion of energy conservation will assist Rinnai achieving total decarbonisation by 2050.

Rinnai's NetZero declaration will require huge amounts of financial funding. To enable clean working practises and

consistent product functionality Rinnai has structured over £332 million of capital investments to be made over five years.

Approaching £200m will be invested into product development in Rinnai's centre of design innovation; specific areas of investment include hydrogen combustion equipment, heat pumps and other next generation technologies.

£100 million will be invested into manufacturing. This flow of capital will enable a switch to sources of greener energy and fossil-fuel free facilities creating greener working standards.

£32 million will be provided into promoting sales of low carbon alternatives such as the ECO ONE hybrid water heating system and the global promotion of energy efficient water heaters. Rinnai are aware that levels of investments may rise and are prepared to provide more finances in making Rinnai fully decarbonized.

Rinnai understands its obligation to actively assist in global decarbonisation and therefore a proactive company plan of design modification on all new product ranges, a change in office and manufacturing practises, a switch to greener energy – requiring billions of yen of investment for this ambition to be realized.

Rinnai hopes by publishing its carbon neutral declaration end users can identify the urgency of action taken and sense of social responsibility the company places upon itself. Rinnai is determined to consistently provide appliances that encourage an environmentally cleaner society.

**For more information on the RINNAI product range visit [www.rinnaiuk.com](http://www.rinnaiuk.com)**



# BALKRISHNA DOSHI TO RECEIVE 2022 ROYAL GOLD MEDAL FOR ARCHITECTURE

## ACCLAIMED INDIAN ARCHITECT SELECTED FOR HIS SIGNIFICANT CONTRIBUTION TO ARCHITECTURE

The Royal Institute of British Architects (RIBA) is pleased to announce that Balkrishna Doshi will receive the Royal Gold Medal 2022, one of the world's highest honours for architecture.

Given in recognition of a lifetime's work, the Royal Gold Medal is approved personally by Her Majesty The Queen and is given to a person or group of people who have had a significant influence on the advancement of architecture. It has been awarded since 1848 and will be presented to Balkrishna Doshi at a special ceremony in 2022.

With a 70 year career and over 100 built projects, Balkrishna Doshi has influenced the direction of architecture in India and its adjacent regions through both his practice and his teaching. His buildings combine pioneering modernism with vernacular, informed by a deep appreciation of the traditions of India's architecture, climate, local culture and craft. His projects include administrative and cultural facilities, housing developments and residential buildings. He has become internationally known for his visionary urban planning and social housing projects, as well as his work in education, both in India and as a visiting professor at universities around the world.

Born in 1927 in Pune, India, to an extended family of furniture makers, Balkrishna Doshi

studied at the J J School of Architecture, Bombay, before working for four years with Le Corbusier as Senior Designer (1951-54) in Paris and four more years in India to supervise projects in Ahmedabad. He worked with Louis Kahn as an associate to build the Indian Institute of Management, Ahmedabad, and they continued to collaborate for over a decade. He founded his own practice, Vastushilpa in 1956 with two architects. Today Vastushilpa is a multi-disciplinary practice with five partners spanning three generations and has sixty employees. The practice invites dialogue and its philosophy of pro-active participation even applies to their office space – which has an open door, inviting passers-by to drop in.

Doshi's key projects include: Shreyas Comprehensive School Campus (1958-63), Ahmedabad, India; Atira Guest House (1958), Ahmedabad, low cost housing; the Institute of Indology (1962), Ahmedabad, a building to house rare documents; Ahmedabad School of Architecture (1966, with additions until 2012) - renamed CEPT University in 2002 - which focused on creating spaces that promoted collaborative learning; Tagore Hall & Memorial Theatre (1967), a 700 seat Brutalist auditorium in Ahmedabad; Premabhai



*Photo: Pratik Gajjar*

Hall (1976), Ahmedabad, India, former theatre and auditorium; Indian Institute of Management in Bangalore (1977 – 1992), a business school; Sangath (1981), the studio for his architecture practice, Vastu Shilpa; Kanoria Centre for Arts (1984), an arts and creative hub; Aranya Low Cost Housing (1989), Indore, India, which won the Aga Khan Award for Architecture in 1995 and Amdavad ni Gufa (1994), a cave-like art gallery that exhibits the work of artist Maqbool Fida Husain.

On hearing the news that he will receive the Royal Gold Medal in 2022, Balkrishna Doshi said:

"I am pleasantly surprised and deeply humbled to receive the Royal Gold Medal from the Queen of England. What a great honour! The news of this award brought back memories of my time working with Le Corbusier in 1953 when he had just received the news of getting the Royal Gold Medal. I vividly recollect his excitement to receive this honour from Her Majesty. He said to me metaphorically, 'I wonder how big and heavy this medal will be.' Today, six decades later I feel truly overwhelmed to be bestowed with the same award as my guru, Le Corbusier - honouring my six decades of practice. I would like to express my heartfelt gratitude to my wife, my daughters and most importantly my team and collaborators at Sangath my studio."

RIBA President Simon Allford said:

"It was an honour and a pleasure to chair the committee in selecting Balkrishna Doshi as the 2022 Royal Gold Medallist.



“

*I am pleasantly surprised and deeply humbled to receive the Royal Gold Medal from the Queen of England.*

At ninety-four years old he has influenced generations of architects through his delightfully purposeful architecture. Influenced by his time spent in the office of Le Corbusier his work nevertheless is that of an original and independent thinker – able to undo, redo and evolve. In the twentieth century, when technology facilitated many architects to build independently of local climate and tradition, Balkrishna remained closely connected with his hinterland: it's climate, technologies new and old and crafts.

Balkrishna Doshi's outstanding contribution to the art of architecture, the craft of construction and the practice of urban design establish him as a most deserving recipient of this award and I greatly look forward to him being presented with the medal next year."

In recognition of his distinguished contribution as a professional and as an academician, Balkrishna Doshi was made a Foreign Honorary Member of the American Academy of Arts and Letters in 2021. He is the recipient of the Padma Bhushan, Government of India (2020); The Pritzker Architecture Prize (2018); the French Ordre des Arts et des Lettres (2011); Global Award for Lifetime Achievement for Sustainable Architecture, Institut Francais d'Architecture, Paris (2007); Prime Minister's National Award for Excellence in Urban Planning and Design, India (2000); Aga Khan Award for Architecture (1993-1995) and the Gold Medal, Academy of Architecture of France (1988).

The 2022 Royal Gold Medal selection committee, chaired by architect and RIBA President Simon Allford, comprised: Sir David Adjaye OBE, architect and recipient of the 2021 Royal Gold Medal for Architecture; Alison Brooks, Principle and Creative Director of Alison Brooks Architects; Kate Cheyne, architect and Head of Leicester School of Art, Design and Architecture at De Montfort

University and Dr Gus Casely-Hayford OBE, Professor of Practice at SOAS (School of Oriental and African Studies in London and founding Director of V&A East).

Citation on Balkrishna Doshi by the 2022 RIBA Honours Committee:

Balkrishna Vithaldas Doshi has been practising architecture and designing and delivering outstanding buildings and places for over seventy years. Trained in Mumbai he began practice in Europe working closely with Le Corbusier. He returned to India in his late twenties to help supervise Corbusier's projects in Ahmedabad before setting up his own studio to work collaboratively with Louis Kahn on the Indian Institute of Management campus, also in Ahmedabad.

His personal influence as a practitioner and educator has grown from there. Through his teaching and his practice he has helped define the direction of architecture in India and much of the adjacent regions. But even more importantly his development of and advocacy for an architectural language of material economy and elegance and delight - is ever more relevant to all architects working in today's challenging times. Doshi is a visionary constructor of ideas who works with form and light. He is also a constructor of an appropriate vernacular for and of the places in which he works. His many wonderful buildings celebrate the local technologies and crafts as well as the natural habitat to create environments that are legible, hard-working backdrops joyfully accommodating the theatre of everyday life. Once visited and studied it is soon apparent that they are also wonderful essays in the careful interplay of formal themes and technologies. Importantly building and nature are always intertwined to create a brave, confident and on occasion challenging architecture of purpose and delight. Architecture as background and foreground.

Doshi, now in his nineties, works every day and remains as prolific as he is inspirational. A living testament to the potential of an architectural history of ideas, passed through practice and education from one generation to the next. An architecture that is always evolving to help define a better future.

[www.architecture.com](http://www.architecture.com)



Photos: Vinay Panjwani



## SHAPES AND GAMES IN HUNGARY

For this project in Hungary, the end user spends a significant part of his time in a villa with direct water connection on the shores of Lake Balaton, 45 minutes drive from Budapest.

The covered terrace, which can be opened from 3 sides and can be shaded on all surfaces, serves as an exclusive dining and lounge area, where the family spends most of the day to relax and chill.

The protagonist of this special interior is the dual-function Fusiontables dining table, which invites up to 10 family members or invited guests to an exciting game of billiards after a cozy dinner - while admiring the stunning view of Lake Balaton.

Fusion Tables Design Hungary, the exclusive importer of Fusiontables in the country, has installed the unique configuration: the height-adjustable "MetalLine / WhiteMat / Vintage / REVERSO Rock" table with an EasyLift system built into the legs, the fusion storage cabinet for the clever storage of cues and table tops, the design FUSION chairs and the FUSION bench.

By these lockdown times such a place can become soon a Must to enjoy nice moments with family and friends without leaving the country.



The motto of the Hungarian Fusiontables partner translated into English: "shapes and games", referring to the contemporary and unique design of the Fusiontables dining tables, as well as their versatility.

[www.fusiontables.com](http://www.fusiontables.com)





the decorative panels group

YOUR PERFECT PARTNER

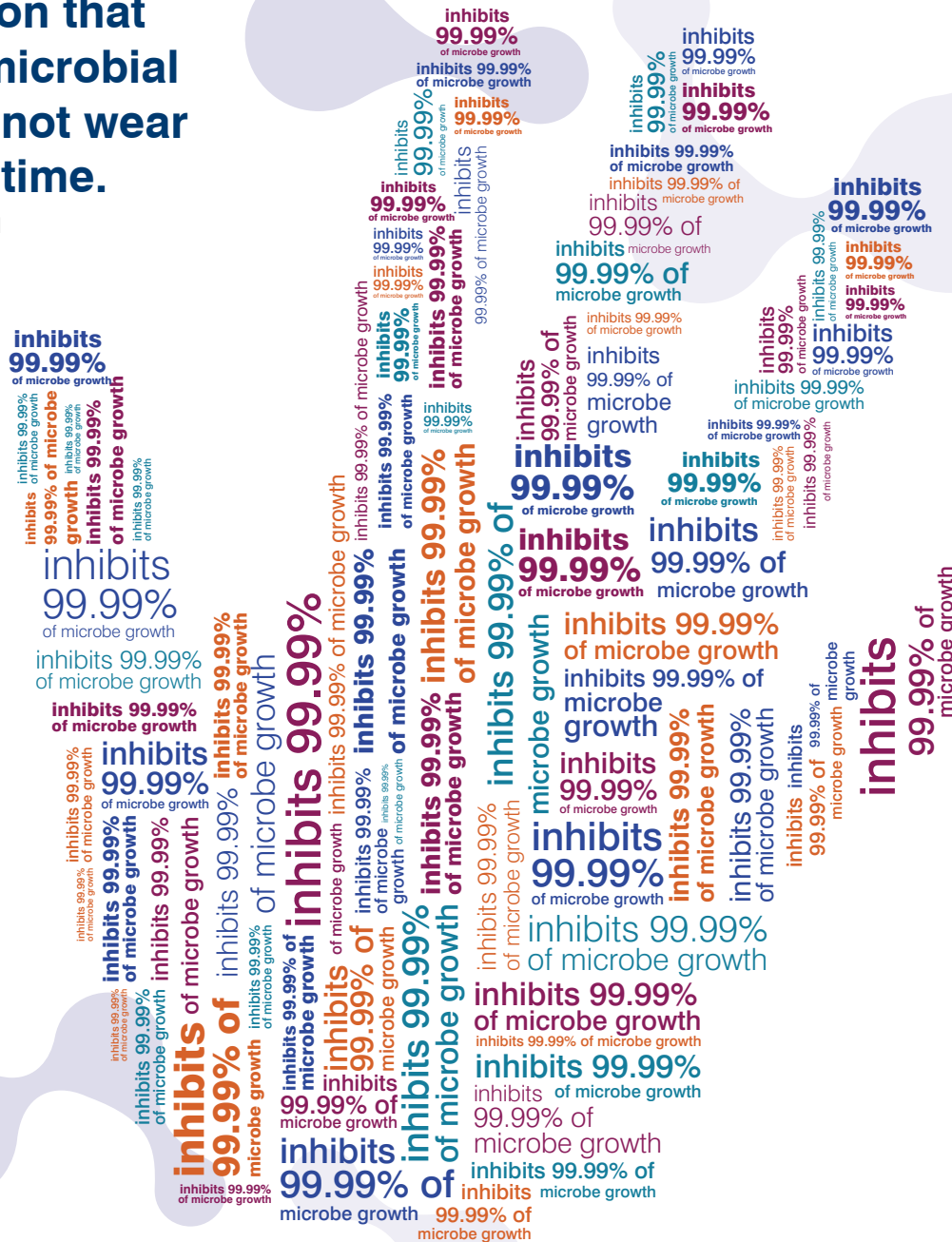


The Decorative Panels Group and Biomaster® working in partnership to offer a 24/7 lifetime protection that contains inbuilt antimicrobial protection that does not wear off or leach out over time.

\*Tested in accordance with ISO22196:2011

Biomaster is proven to inhibit the growth of microbes by up to 99.99%.

As a trade laminator of sheet materials for the furniture and allied industries, dp-lamination can offer an extensive range of surface designs incorporating this technology laminated to many different substrates. These substrates can then be converted into finished product either in house at sister companies dp-furniture and dp-components or externally by fellow manufacturers.



Contact us for more information.

Century House, Premier Way, Lowfields Business Park, Elland, West Yorkshire, HX5 9HF

T: +44 (0) 1484 658341 E: info@decorativepanels.co.uk www.decorativepanels.co.uk



# Reinventing soft furniture

Transforming the humble yet often miss interpreted bean bag into an inspiring piece of soft furniture. Hand-made and manufactured with great precision, our bean bags combine high-end fabrics, Ambi-Spring™ internal elastics and uber thick quilting to keep the form and shape of your furniture, whilst retaining amazing comfort. Our elastics are meticulously designed to give the bean bag superb structure and back support as well as stand-alone aesthetic beauty. The perfect fusion of modern lifestyle and aesthetics within the comfort of a bean bag.

Since 2005, the Aussie-led Ambient Lounge® Global group, have been pushing boundaries and successfully transforming ordinary events into an inspiring, Instagramable, memberable experience for consumers and clients alike.

At Ambient Lounge® we carefully select and create our own interior and exterior materials with leading design consultants. Fabrics are chosen for their tactility, function, durability and are designed to work with the form of each furniture piece to complement your project needs from contemporary to classic décor. All of our fabrics are purposely created to be suited for residential, commercial hospitality and much more. We test all our fabrics to ensure they are fire retardant, weather resistant in our exterior range and most importantly suitable for commercial use.

We pride ourselves on being the UK's leading high end luxury bean bag furniture company who can custom make products to suit your project based on quantity. We have the ability to add extra features such as headrests, zips and materials of your choice. With popular demand in our luxury bean bags, we have created our own facility where you

can hire our bean bags for any occasion, birthdays, corporate events or even outdoor cinema events. You name the project, and we will deliver!

From Singapore's Changi Airport, England's FIFA World cup 2018 & 2020 Base, London's Winter Outdoor Cinema to Melbourne's Australian Open. We've done it all in style, to the thrill of our clients. Ambient Lounge® offers free concept designs and 3D renders for medium to large scale projects. We are here to make your projects easy to manage, vibrant and the new talking point. Just ask!

Team up with us for your next project and you can rest easy it will be delivered as promised – or even better. Please contact our commercial development team led by **Rachel Lunn**, **Grant Morris** & **Sonal Mistry** on **0844 529 1112** or email your design project to: **info@ambientlounge.co.uk**.



[info@ambientlounge.co.uk](mailto:info@ambientlounge.co.uk)

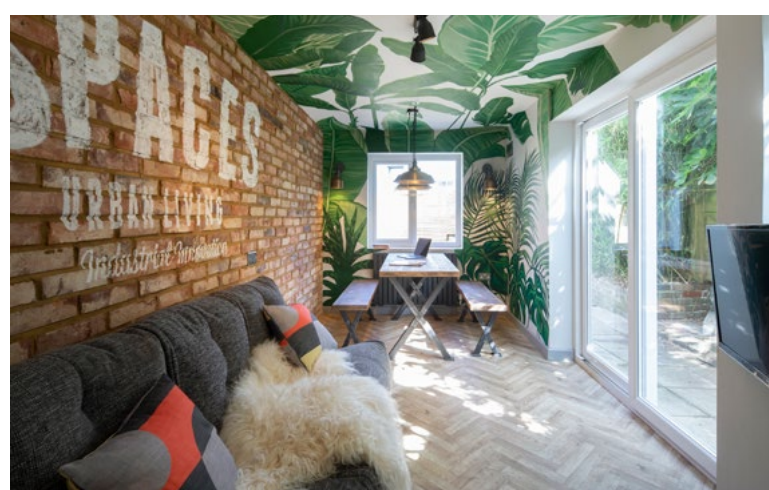
[www.ambientlounge.co.uk](http://www.ambientlounge.co.uk)

0844 529 1112



# ambient lounge<sup>®</sup>

live in soft luxury



## Bespoke Projects

Creating custom and unique pieces to bring your projects to the next level. It's the attention to detail that counts. If your project has the scope - we've got the means.





# INDUSTRY NETWORKING

## BSPOKE 365 GEARS UP TO BECOME THE GO-TO YEAR-ROUND DIGITAL COMMUNITY FOR ARCHITECTS AND DESIGNERS

The team behind Design London, Clerkenwell Design Week, Design Joburg, OnOffice and ICON magazine have recently launched [BSPOKE 365](#) - a year-round digital platform for architects and designers to connect with sought-after furniture, lighting, surfaces and contract interiors brands. BSPOKE 365 will be the industry leading networking, product sourcing, education and talks platform. Following on from the success of the BSPOKE series of meet the buyer/networking events which welcomed over 10,000 pre-qualified buyers online, BSPOKE 365 brings together a highly targeted audience with influential brands and designers.

BSPOKE 365 kicked off with five days of captivating talks and unmissable content from the likes of Yinka Ilori, Eley Kishimoto, Lee Broom, Henry Holland, Adam Nathaniel Furman, Marianne Shillingford and more.





“

***BSPOKE 365 brings together a highly targeted audience with influential brands and designers.***

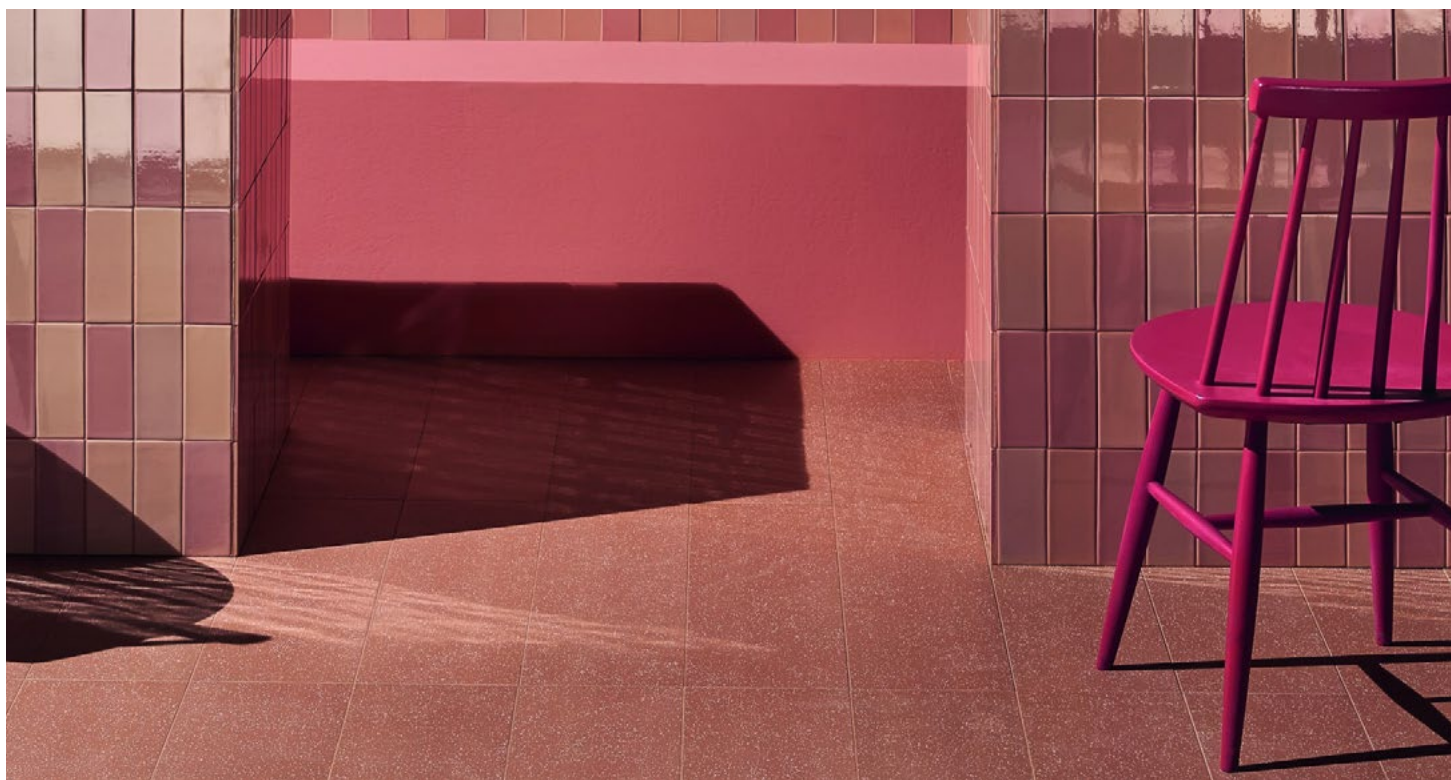
Users can discover an array of internationally renowned brands and source the latest contemporary design products for upcoming projects. The platform boasts an impressive line-up of brands including FLOS, Kohler, Ideal Standard, Artemide, Natuzzi, Penta and more.

A team of curators will deliver an editorial programme that cannot be found elsewhere, inspiring architects and designers as well as providing essential education. Listen in on BSPOKE Conversations from leading designers and rising stars of the design world, covering a range of topics, plus future trends and current movements within design, architecture and the wider creative industries.

From exclusive industry parties to striking installations, topical talks to the latest products and everything in-between - the platform will preview the best upcoming fairs in the design calendar including IMM Cologne, Stockholm Furniture Fair, Salone del Mobile, ICFF New York, Clerkenwell Design Week, Design London, Design Helsinki, Cersaie Bologna and Downtown Design Dubai.

Register now and gain access to exclusive product launches, a plethora of curated talks with industry influencers and associations, RIBA accredited CPD's and previews of global design fairs - all in one place.

**Find out more and register for free at [www.bspoke365.com](http://www.bspoke365.com).**



# LUXURY LIVING IN CHELSEA WITH GIRA SMART HOME SOLUTIONS

## GIRA, MADE IN GERMANY SINCE 1905

Gira, one of the world's leading full-range suppliers of intelligent system solutions for commercial and residential property, bring the latest technology to a truly iconic new build property in London, designed by Nick Shipp Architects and located on the iconic Kings Road in Chelsea.

Setting a landmark design standard, Essoldo House is a corner building on Chelsea's cosmopolitan high street, which boasts eleven extraordinary homes, in addition to a remarkable roof terrace, cinema and three retail units on the ground floor. This luxurious high-rise building is situated on the south side of Kings Road, no. 279, which sits right between Old Church Street and Paultons Square and close to the world-famous Bluebird restaurant and café.

Vibrant, contemporary and highly sophisticated, Chelsea is one of London's hot-spots with Kings Road being regarded as the suburbs beating heart brimming with restaurants, bars, designer shops and art galleries. On the corner of Old Church Street, a former vintage cinema has been transformed into a four-storey property called Essoldo House. Designed by Nick Shipp Architects, this property defines the overall streetscape with its striking contemporary design and distinct tower-like bay window.

The eleven residential units comprise of three maisonettes and eight apartments, ranging from around 70-145 square metres in size. They all combine 21st century design and comfort with the character of traditional Chelsea, offering at least one balcony or roof terrace with views over the Borough. The building has underground parking and, of course, offers a concierge service for residents.

The absolute commitment to luxury in Essoldo House is visible in every detail with solid, high-quality oak floors, Carrara marble in all the bathrooms, and Porcelanosa kitchens, fitted exclusively with the latest generation of Miele appliances, including wine fridges and boiling water taps. The building services are also state-of-the-art: all functions, from the air conditioning and lighting to the Sonos wireless sound system installed throughout and the security system, are interconnected and can be controlled using an iPad, ensuring a smart home in its purest form.

Behind the scenes, a user-friendly Gira KNX system works in tandem with the Gira X1 mini server and the Gira S1, remote access module to ensure equally smooth and secure networking and control wherever the homeowner is. The switches and socket outlets of the Gira E2 design line in stainless steel also match the high-quality elegance of the interior in a special building – truly London's finest – and all Gira products were installed by specialist system integrator Marquee Home Limited, part of the Gira System Integrator Partner Program.



*Luxurious kitchen living space – The finest custom-made furniture and state-of-the-art technology*

*Photo: Alexander James | alexjamesphotography.com*

Jacob Muijnck, Managing Director at Gira UK says, "We are absolutely delighted to offer practical and intuitive solutions for today's luxurious city living from sockets and switches to the latest smart home servers which will take care of everything from lighting and heating to security. Our award-winning Design Lines are specially designed to give interior designers and architects the ultimate in flexibility and functionality when it comes to providing the essentials in terms of controls and power points."

The minimalist Gira E2 range is made of ultra-durable shatter-proof UV-resistant plastic in a variety of finishes including pure white glossy, grey matt, and black matt, alongside aluminium, anthracite and stainless steel colours, which bring an on-trend industrial feel to Essoldo House.

Homeowners can easily access and control the functions of their KNX installation remotely by using the Gira X1 app, so they can dim and switch lights, and adjust shutters and blinds, heating control, value transmitter, scenes, timer and much more. Camera images can also be accessed 'live', plus there are customisation options that include home screen personalisation so it's even easier to keep an eye on the home, safe in the knowledge that all data is protected and encrypted by our Gira S1.

**Phone: 020 3936 8090, Email: [sales@gira.com](mailto:sales@gira.com),  
Web: [www.gira.com](http://www.gira.com), Tech Hotline: 020 3936 8095**



# THE BEAUTY OF BESPOKE

## INTRODUCING NEWFOUNDLAND WITH DAVID PHILLIPS

Newfoundland is a landmark addition to the London skyline and benefits from uninterrupted views over the capital. Designed by renowned architects Horden Cherry Lee, this impressive piece of architecture with its arresting diagrid glass façade stands proud in the affluent Canary Wharf district.

Newfoundland is the 'jewel in the crown' within Canary Wharf Group's Vertus Residential leasing portfolio. This 58-storey residential development required a detailed and highly considered design approach; with David Phillips providing a bespoke furniture solution throughout.

"What I found most interesting about Newfoundland is that architecturally it was the most fascinating but also the most challenging - it's a striking building and from an interior perspective, a project we couldn't wait to get involved with." - Nicholas Gill, CEO, David Phillips.

With a brief to create a prime development that could generate a 25% increase over existing rents in the area, David Phillips worked closely with Vertus and the Canary Wharf Group to design a bespoke furniture solution exclusively for Newfoundland over a four-year period. Taking an initial design concept through to installation via an extensive design development stage.

"With such a striking exterior and shape, the architecture played a huge part in influencing the interiors' unconventional typographies. Our design was based on Vertus' aspiration for the interiors to be light, sophisticated and most-importantly contemporary – with a colour palette of bold blues and rust tones that transitioned into a softer palette of powder blues, greens and neutrals as you went through the building. Dark wood finishes, marbles and metal-work helped ensure a refined, cohesive look was achieved that had depth and character." - Mark McDonnell, Head of Design, David Phillips

When developing the furnishing schemes, each piece needed to work within all the apartments to ensure a comfortable layout was



achieved. By taking the time to develop bespoke furniture items, such as the use of an angled corner sofa, this helped achieve a nuanced response to this intricate building.

Equally the layout of the studio apartments required the development of a unique freestanding TV joinery unit with rotating screen component. David Phillips long-standing relations with their suppliers ensured they could design, manufacture and deliver a product that would have been a considerable cost saving to the client, compared to conventional fitted joinery.

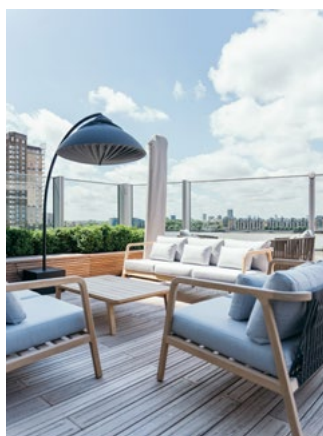
In addition to providing the furniture for the apartments, David Phillips created furniture concepts for amenity and lobby spaces. The furniture for these areas was designed with a developed understanding of how these spaces are used by residents, with durable contract-grade fabric being used throughout.

The scheme required the development of bespoke furniture and joinery pieces, designed and then manufactured here in the UK. The scheme also incorporated high-end furniture pieces from brands such as Cassina, Lema and Cattelan Italia that were selected, procured and installed by David Phillips. Design details included custom silk rugs, hand-made pendant lighting, luxury games tables, fitted joinery in the gymnasium and luxury outdoor furniture.

The design team at David Phillips added the final finishes to the scheme by providing full dressing and staging of the amenity spaces as well an array of show apartments. Executing the initial design intent through the use of carefully selected accessories that speak to the Vertus' residents profile and aspirational urban lifestyle.

Newfoundland is a testament to David Phillips' ability to deliver on a client brief, from concept all the way to creation, across all elements of a premium BTR development.

[www.davidphillips.com](http://www.davidphillips.com)





## SETTING THE SCENE

### 74 DESIGNS NEW RESIDENTIAL AMENITY SPACES FOR GRAINGER AT THE HEADLINE, LEEDS

74 is delighted to announce the completion of its amenity space designs at The Headline for client Grainger plc. The new BTR (build-to-rent) residential development is located in Leeds on the former site of the Yorkshire Post offices and printing works and forms part of the city's new Wellington Place urban quarter.

The new-build, 18-storey building, with extensive frontage looking directly out over the River Aire, features a stepped design from the 13th to the 17th floor, with parking at below-ground level. The 242-home scheme has been designed by architects The Harris Partnership, with 74's remit covering the interior design of the 595 sq m ground floor residents' amenity space - where social areas are combined with a reception area, residents lounge, co-working space, a fitness-on-demand wellness studio and a gym - as well as a 155 sq m 'Sky Lounge' on the building's 11th floor, with private dining room and additional external terrace space.





“

*74 have done an excellent job in answering to our brief, bringing creativity and great attention to detail and in doing so, creating spaces that we feel confident our residents will love.*

## BRIEF AND APPROACH

“We were looking to create a stand-out design for the amenity spaces” Bianca Yousef, Associate at 74 commented, “that would be notably different from the harder-edged, more corporate feel of the interiors of many of the surrounding buildings. The idea for The Headline was for a soft, elegant and sophisticated series of spaces where residents could work, rest and play, with ideas and inspiration for the design concept taken from the site’s former life as the headquarters of the Yorkshire Post newspaper.”

Katherine Stephens, Grainger’s Development Manager for The Headline said “We are really pleased with the finished amenity spaces at The Headline. 74 have done an excellent job in answering to our brief, bringing creativity and great attention to detail and in doing so, creating spaces that we feel confident our residents will love.”

## SOCIAL SPACES DESIGN TREATMENT

The design treatment for the two amenity spaces was aimed at enabling residents to relax immediately on entering the building and to feel at home. Light, soft tones – a mix of neutrals with feature soft blues and greens for the ground floor and the addition of a strong orange/rust colour in the Sky Lounge – combine to create a striking and fresh palette, with refined and minimal contemporary detailing throughout, as well as strong statement furniture and dramatic feature lighting.

Bringing the outside in via greenery and natural materials to prioritise resident wellbeing was also an imperative, as were the quality cues provided by the scheme’s materials, which include solid surface finishes, such as beautiful porcelain floor tiles and natural light oak. Brass is used throughout in the scheme’s furniture, lighting and design detailing, with the gold finishes to the scheme’s metalwork creating a welcoming sense of warmth. Fit-out contractor Gariff Construction Ltd, who have previously worked with Grainger, created the scheme’s stand-out bespoke joinery.

The site’s newspaper heritage influence can be seen in the choices of set dressing – from typewriters and a series of eight wall clocks showing the time in major cities throughout the world – through to the influence of printing production rails, whose echo can be seen in the dramatic, curved framework rails 74 designed around the booth and sofa seating in the centre of the ground floor space. Lighter touches reflecting printed text, the formation of lettering and newsroom styling also find their way subtly into the design via the scheme’s wayfinding, which was created by f.r.a. This was complemented by the work of Widd Signs, who fabricated and installed all the enhanced wayfinding, including the main building sign.



The spaces also feature eight stunning artworks (seven on the ground floor and one in the Sky Lounge), commissioned from artist Michael Murray. The artist liaised with both Grainger and 74 on the artwork brief, so that the final works feature objects relating to the site’s Yorkshire Post heritage, whilst also reflecting the scheme’s colour palette and incorporating subtle typographic and shaping references to The Headline’s identity, Grainger’s history and the Yorkshire Post newspaper

## DESIGN WALK-THROUGH:

The main entrance to The Headline brings residents directly into the ground floor amenity space, where they are welcomed by a receptionist from a curved, bespoke reception desk directly ahead. Residents who want to check in with their post or deliveries can access either letterboxes - in a satin grey finish with engraved gold lettering from the Safety Letterbox Company - or parcel lockers, supplied by Bellsure - both located to the rear of the reception and directly in front of the lift lobby, with 24-hour ease-of-access for residents who want to go directly to their apartments.

Immediately to the left of the amenity space entrance is a glazed, bookable meeting room for the use of either residents or staff, whilst a generously-proportioned back of house and staff welfare area also serves as a work hub for Grainger's Resident Services team. The meeting room features a pale timber circular table, overhead hanging planting and six Co Chair chairs by Menu in alternating shades of Duckegg and Bluebell in a cord finish and featuring natural oak armrests. The room's textured blue 'Hopscotch' wallpaper is by Tektura Wallcoverings and was chosen for its subtle link to the lines of The Headline's identity design, whilst the Shaw Contract carpet in Mirror Grey from the Simply by Nature collection features a similarly ridged-texture finish. Wall lights are In the Sun from DCW Editions.

For those who wish to use the wider amenity space, a central corridor guides residents through the zoned spaces, which include two generously-apportioned social and co-working areas. The first of these, just inside the front of the building on the right, features a six-person co-working table, whilst further seating – brass-framed Agora high stools by Missana with velvet upholstery and a bespoke back cushion – is arranged by the right-side high window together with a marble-effect work surface. A credenza in this section – the Air Sideboard by Design House Stockholm – introduces a rattan weave treatment, used further for furniture and wall panels and two ceiling rafts to the right-side rear of the space.

The central feature booth and banquette seating area on the

“

*Furniture throughout, where not bespoke, was sourced by Workform, with the scheme's planting created by Urban Planters.*

ground floor features bespoke joinery and plays with height by having lower seating to one side. This seating design is a great example of the scheme's strong play on geometry, with newspaper production rail-inspired curves to the joinery framework and added texture created by side panelling with a rattan weave finish. The booths are made up of powder-coated metal rails with a warm, gold-brass finish, whilst the bespoke tables incorporate hidden wireless chargers. The seating – with contrasting end material upholstery – is in luxurious soft blue velvet with a piped edge detail. Soft green curtains soften the look of the space and ensure a residential feel.

Furniture throughout, where not bespoke, was sourced by Workform, with the scheme's planting created by Urban Planters. Flooring is a continuous porcelain tiling – in either a straight or diagonal pattern, depending on the area - with Amtico basketweave flooring used to denote co-working areas, with brass strip edging. Rugs by Ege in Dust Green from the Soft Dreams Lux range feature in the rear lounge area to create a softer note.







Feature lighting throughout is by Enigma Lighting, with M&E specialists Cundall, who designed all of the M&E, working with 74 on architectural track lighting and suspended linear lights. The lighting provides continual high-level visual interest throughout both spaces, with ground floor highlights including brass and globe Florence Pendants by Mullan Lighting and the Lily triple lights on brass arms by Nordlux. The rear lounge space, designed for more purely relaxation purposes, features bespoke low sofas and chairs with a more outdoor feel, including the Colony Lounge Chair by Miniforms and the Cala Armchairs by Kettal. The indoor/outdoor feeling of this space is accentuated by an olive tree feature inset into the centre of the rear table and crowned with a suspended circular light from Enigma Lighting. Bespoke metal weave lights to the left of the space from Enigma Lighting and Take Luck Home Vivid Bird pendants continue the outdoor feel and references.

To the left-side rear of the ground floor space are the Wellness Studio and Gym. The Wellness Studio features wall batons and basket-weave Amtico flooring. Both the Studio and the Gym have full-height mirrors on two sides, as well as oversized glazed doors (glazing by Planet Partitioning) in beige to match the curtain walls with PVD satin brass ironmongery by d line. Fitness-on-demand classes are available in the Studio via a television. Flooring in the gym is a light grey rubber with a speckle finish, whilst all equipment is by TechnoGym and was specified for the scheme by Educated Body. Two large, back-lit circular mirrors also feature within the gym area, whilst voiles along one of the mirrored walls add a soft and elegant note to the space and compliment the brass and beige tones of the adjacent door

On the 11th floor, the Sky Lounge is a vibrant and fun space, featuring bolder colours and brighter fabrics, although clearly linking to the ground floor amenity space via the same finishes family, including brass lighting and framework seats. Amtico basket-weave flooring is also used here, this time with different feature colour sections to demarcate the pool table and fireplace sofa area, which features two facing New York Suite sofas by Saba in Spice orange-rust velvet upholstery. Bright orange fabrics and bolder blues and greens tie the overall look together, including rich blue curtains and a feature bespoke orange baize pool table.

As residents enter, they see the lounge seating area with the



sofas directly ahead, backed by a feature fireplace inset into a feature wall of with mint-coloured tiles at the lower level and a large screen at the upper level, surrounded by grey wall tiles with metallic lines at angles, creating an eye-catching geometric pattern.

At the top left of the space is a gaming area with tables for board games, whilst a printed chessboard table is located in front of the fireplace. A feature high-level table for eight is located to the right. To the rear of the space on the right is a refreshment counter with a bronze, mirrored splashback, whilst to the rear on the left is a stunning private dining room and kitchen. The striking wallpaper here in mottled blues is from the Abalone range by Tektura Wallcoverings, whilst the bespoke, ellipse-shaped dining table seats eight and features a veined stone top. Three metal ring globe pendant lights over the dining table are by Homary, whilst other stand-out Sky Lounge lighting includes dramatic Metal Bow Floor Lamps by Beut; the Opal Pendant by Enigma Lighting over the pool table and two sets of Polished Brass Tube pendant lights by E2 Lighting, hung at different lengths set inside two curved-edge joinery ceiling rafts over the high table and games table areas.

Lounge seating, tables and rugs, all suitable for outdoor use, decorate the slim external terrace, encouraging residents to step out and take in the views of the River Aire.

[www.weare74.com](http://www.weare74.com)



## INTRODUCING THE GOLDEN HOUR WINE SHOP

Golden Hour wine shop takes its inspiration from early 20th century Paris. Exuding a contemporary yet elegant feel, this stunning boutique perfectly captures Parisian charm and offers an array of specialist wines.

To bring the dream to life and to create this timeless aesthetic, Havwoods was specified to supply a stunning wood floor solution for this luxurious neighbourhood wine shop in Orlando, Florida.

Neutro Select from Havwoods' The Italian Collection was selected in a chevron design to create a retail space that evokes warmth and familiarity. With its light wood hues and detailed chevron design, these engineered European oak planks help to maximise the sense of lightness whilst perfectly complementing the lush soft green walls.

With its low-profile construction and compatibility with underfloor heating, Neutro Select is an ideal choice for a retail space with heavy footfall. These durable planks are extremely easy to clean and maintain as they benefit from a UV Oiled finish which protects the surface against spillages, stains and cosmetic damage.



Final touches to this unique and on-trend space are based around a raw and textured material palette including polished brass, polished marble and cotton twill – all which will help to bring the space to life without detracting from the characterful natural beauty of the wood.

With the help of Havwoods, this one-of-a-kind retail space has been transformed to create an inviting yet stylish interior with a hint of Parisian charm.

[www.havwoods.com/uk/](http://www.havwoods.com/uk/)

**WR** EST. 1977  
**WINE RACKS UK**  
Manufactured By A & W Moore

A & W MOORE Wine Racks manufacture the largest range of wine storage solutions in the UK. We produce tailor-made storage units for any space.

Call Now for a Quote Tel: 01159441434  
information@wineracks.co.uk or visit wineracks.co.uk

Wine Racks & Storage by Wineracks.co.uk

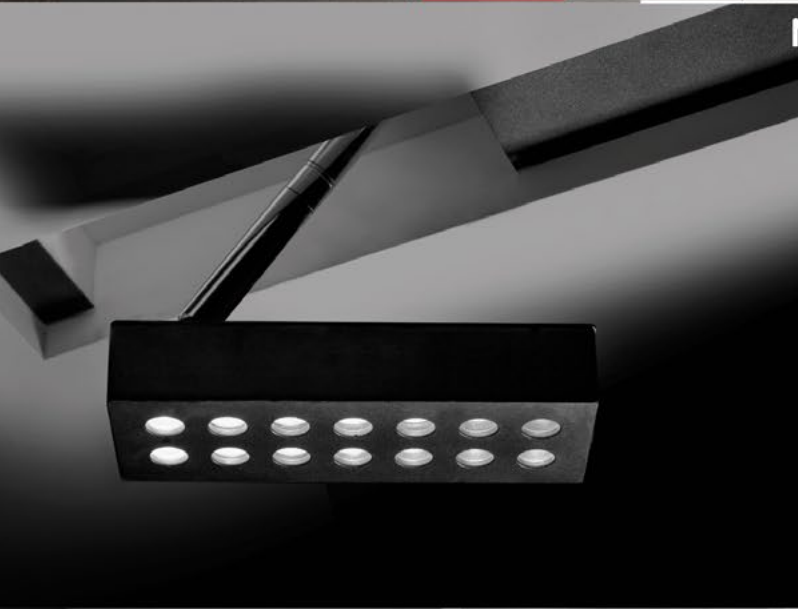
Think Design  
Think Homapal

**DERA**iam [www.deralam.co.uk](http://www.deralam.co.uk) T: 01257 478540  
E: sales@deralam.co.uk





sforzin  
illuminazione  
Milano







# SPACEINVADER TRANSFORMS MANCHESTER'S ONE PICCADILLY GARDENS FOR LEGAL & GENERAL

Leading Manchester interiors agency SpacelInvader has transformed the look of one of the city's landmark developments at One Piccadilly Gardens for client LGIM Real Assets (Legal & General). The well-known building, originally designed by architects Allies and Morrison and developed in 2003 by Argent, faces onto the Gardens with high-impact red-brick frontage. The building is comprised of retail on the ground floor and office space above and was sold to Europa Capital in 2011 before being purchased by Legal & General in 2014. The brief to SpacelInvader for the new interiors of the six-storey, Grade A office building was to transform its look and feel into a more inviting, dynamic space that promoted a sense of welcome, wellbeing, flexibility and collaboration, via a scheme that would match the building fabric in terms of character and presence.

'The transformation forms part of a bid to bring more life and love to this part of the city', SpacelInvader Founder John Williams commented, 'helping to ignite a more vibrant surrounding area with a café culture feel. Legal & General took the decision to invest in the building in order to make a mark and help elevate the overall Piccadilly area.'

## EXISTING INTERIOR

The entrance to the office building is located on a cut-through that sees a lot of through-traffic but offered no real sense of arrival. Existing views through to the interior were rather dull and grey, resulting in an overall unwelcoming feel. Once inside, an existing, huge-scale reception desk functioned more as a barrier than a welcoming element, discouraging people from



“

*The design language looked right back to the site's interesting history in the 18th century, when the gardens were little more than a wasteland on the edge of the city.*

doing anything but passing straight on through the speedgates, in spite of a few additional arrangements of loose furniture serving as waiting areas. The double height diagonal void through the ground and first floors of the building was also not utilised to its best advantage.

'There was a great opportunity here' John Williams added, 'to turn the personality of the offer around, working with rather than against the building. A new interior that was properly integrated with the building's stature, location and material palette was called for, to make the most of the great corner location and views out. This was evidently a well-established building with real potential for change.'

SpacelInvader were commissioned by Legal & General for the concept stage of the project and then novated across to commercial interior design, build and delivery specialist ADT Workplace for the construction delivery stage. The scheme's project managers were Paragon. The full scope of interior design works covered the entrance, reception and atrium areas, a new upper basement bike store with adjacent changing rooms and shower space, the building's lift core and circulation areas and a refreshed design for the non-tenanted office spaces on the third and fourth floors. SpacelInvader also designed the scheme's wayfinding.

## DESIGN CONCEPT

At the heart of SpacelInvader's concept was the idea of creating a new community culture for One Piccadilly Gardens, featuring a series of attractive spaces for people to sit, relax, meet and collaborate. The mix of people coming in and using these areas is diverse, including tenants, their clients, prospective tenants and other visitors. The new design sought to create moments for pause and reflection as well as places for catching up and ad hoc encounters. Alluding to the site's rich history, the design also needed to be timeless, with a non-exclusive appeal catering to a wide user and age-range demographic.

The design language looked right back to the site's interesting history in the 18th century, when the gardens were little more than a wasteland on the edge of the city. Known as the 'daub holes', the area was home to a wet pit and ponds, from which clay for the construction of wattle and daub walls was extracted.

'We were inspired both by the terracotta colour of clay and the outer red building façade when it came to creating the design palette', Regina Cheng, Senior Interior Designer at SpacelInvader, commented, 'although, as it's such a strong colour, the terracotta was to be used for highlights only. We also looked at the origins of the word Piccadilly, which comes from a seventeenth-century frilled curved collar known as a piccadill.



Roger Baker, a tailor who became rich making piccadills, lived in the area. The origin of the word is thought to be the Spanish 'picadillo', meaning pierced or punctured. Subtle references to this in the form of curves and punctures, especially using light, also formed part of our design language.'

## DESIGN WALKTHROUGH ENTRANCE

The main challenge for the redesign of the entrance area was that it was quite hidden. How could a stronger sense of arrival be created, befitting a landmark space, without changing the external façade in any way?

'We re-thought the entrance as a 'puncture' within the passageway, changing its hidden nature and making it stand out by the creation of a new, hanging biophilic and light installation above the entrance, set within a rectilinear LED light, which extends the full breadth of the passageway and is clearly visible from either direction of approach' Regina Cheng explained. 'We then added a new round 'bus stop' signage, using the development's existing ONE logo, where all branding previously had related only to neighbouring retail and hospitality offers. We also increased the presence of the glass-front manifestation. Clear views through now ensure a new era of transparency for the interior, celebrating rather than concealing its existence.'

## RECEPTION

SpacelInvader sought to create cohesion in the new reception design through a statement interior making good use of existing structure. The double-height reception space was completely re-arranged, with a new, smaller, bespoke reception desk with anodised brass details and a grey marble-finish front positioned to the side of the space, where it sits neatly in an existing alcove beneath a perimeter bulkhead, following the angles of the building and freeing up space. The reception top is dressed with a Lee Broom table lamp, linking to other feature pendant lights in the space.

The strong and dramatic finishes in the reception play on ideas of light and dark, as well as the idea of piercing and puncturing, with black-stained timber wall cladding and strong inset pops of terracotta. The terracotta colouring features in both the loose furniture and in the curved and straight banquette seating areas, as well as in the vertical ribbed upholstery in the stand-out curved nook section.

## SPACEINVADER

New rear timber wall panelling behind reception features concealed LED lighting that continues up into the ceiling and, to the left-side, petrified moss panels, which link both to the external planting and the new 'Garden Pavilion' in the atrium space above. Security staff have been allocated their own office space for the first time too, with secure storage and CCTV facilities now located to the rear of reception.

A timber wall with the development's ONE logo sits to the right of reception, with an inset media screen for landlord messaging and building information. The anodised brass framework of the reception desk continues here as an inset line within the cladding before the wall cedes into the first seating area, a striking curved nook with loose chestnut leather Gubi Masculo chairs, terracotta-coloured banquette upholstery and rounded terracotta wall ribs, forming an inviting space where people will want to come and interact. A Lee Broom Lens Flair Pendant Light hangs over the space, with two further identical pendants in the seating area to the right, whilst the main reception area features four large-scale light fittings, the Flamingo Pendant by Vibia.

Existing speedgates were retained, serving the desired direction of movement. The design of the seating booth to their left was created to be in a perfect line with them to ensure their position looks considered and framed. Above the speedgates is further timber panelling and elegant, fluted glass balustrading. The timber panelling is also scored vertically, with a strong vertical emphasis linking this to the glass and the ribs of the curved seating nook.



“

*The language within the lift lobby continues on from reception, but with a more restrained, classic feel.*

To the right of the timber-clad reception space is a magazine rack and display shelving for waiting guests, integrated into the joinery, plus a further area of terracotta-coloured soft booth seating. Instead of terracotta wall cladding however, this inset space features a terracotta ceiling panel, with the off-white wall space playing host to three artworks, featuring circles in a nod to the scheme's identity and in colour tones that work with the scheme.

The flooring is a grey marble-finish tile which continues into the lift lobby area beyond the speedgates. The neutral colour works alongside the red tones in the scheme, ensuring a classic and timeless feel. The feature panelling also wraps round the wall on the left-hand side along the tunnel route that leads up to the atrium.

### LIFT LOBBY

The language within the lift lobby continues on from reception, but with a more restrained, classic feel. As well as feature dark panelling, an inset brass band pulls the eye through the space and up towards the atrium and the first floor. Natural light floods into this space from the atrium above and reflects off the light flooring, carrying it on further back towards the reception.

The ceiling was painted here to emphasise the existing, central linear lighting that leads visitors through the space, with bespoke wall panels containing further concealed lighting at their base. The new wayfinding scheme includes a single large-letter or number in anodised brass set into a black-stained timber panel for each storey, located directly opposite the lift. Existing doors facing into the lobby were wrapped in new black vinyl, whilst the lift fronts were also sprayed black to tie in.

### ATRIUM AND GARDEN PAVILION

The stair to the first floor has an interim level, leading to toilets (with disabled toilets to the rear of the ground floor corridor beneath). A dark marble tile is used to clad the stairs, with LED lighting inset into the balustrade to lead the eye upwards.

The atrium features a brand new feature area – a centrally-located, square-box garden pavilion – with plenty of breathing space around it to maintain the privacy of first-floor tenants.

'This was a key area for our new scheme', John Williams of SpacInvader commented. 'We saw the potential here to turn the focus inwards and create a real statement space that would serve all the building's inhabitants, not just the company whose offices were located directly adjacent.'

Placing a pavilion within the atrium space makes a once-barren space habitable and invites tenants and visitors to use a space situated in the lightest part of the building for informal meetings or collaboration. The new pavilion is made of framed structure



Photos: Jill Tate



clad in black-stained timber, set within the building's light-well. Planting along the back wall ensures the first floor's tenant (a bank) remains private, whilst generous hanging planting creates the feeling of an outdoor space. As well as introducing more integrated biophilia, the atrium represents an area of retreat, with the planting surround helping with users' physical and mental wellbeing and also providing a natural acoustic element. Under each floor slab of the building above are ventilation grills and panelling, originally in old-fashioned timber and newly sprayed black to make sure the upper floors tie in with the new scheme.

The pavilion's interior was designed with a more flexible type of upholstered seating, allowing tenants to work individually or as groups by splitting/grouping tables, with further loose lounge seating so it can act as a breakout space or quick catch-up setting. Vertical slats incorporate acoustic panels to reduce reverberation. Terracotta is used for the booth upholstery, whilst the greens in the lounge area work with the planting. A coffee point is located to the left. The carpet here also helps with the acoustics and is in a light grey to tie in with the scheme's predominant flooring, with an added grey vinyl apron around the coffee point.

The pavilion features two levels of lighting. First, fan-shaped circular Buzzispace acoustic lights which represent another 'lace collar' reference, whilst above the pavilion, a feature light is made of simple hoops on different levels (by StudioTech), tying in with the entrance area lighting. The stair features a black version of the marble finish as a highlight before the floor returns to the grey marble finish.

#### Bike Store, Showers and Toilets - Upper Basement

The upper basement space now incorporates a bike store, showers and changing facilities, as well as laundry and drying facilities for those who work within the building.

'This area has quite a high-end feel so it doesn't feel like a basement space' Regina Cheng explained, 'and is more like a

hotel spa facility with a towel service for the showers. The look and feel here needed to be more minimal, so that it was related to the main scheme but with more muted tones. The colour scheme here features sand for warmth alongside grey stone, slatted to continue the design language of verticality.'

Bold and contrasting wayfinding stands out against the light concrete finish. The bike store is key for the space, giving those that cycle to work a safe place for their bike and equipment. The space also includes a new laundry / drying room for cyclists and new staff room with dining table and sofa.

#### THIRD AND FOURTH FLOORS

SpaceInvader stripped out the 3rd and half the 4th floor and put in new raised access flooring. The overall directive was to leave scope for Cat B tenants to have a say on floor finishes, whilst creating enough features to boost the Cat A design. Cat A finishes included removing an existing grid ceiling and painting the new largely-exposed ceiling dark grey with new rafts to break up the uniformity, with all ventilation either integrated into the rafts or relocated to the core and perimeter, concealed within a bulkhead detail. This leaves a cleaner soffit with exposed conduits for lighting. The entrance areas by the atrium feature an open triangular ceiling system by SAS. Suspended linear lights were integrated into the ceiling, whilst the central band features recessed spotlights and linear lights.

Rob Codling, Fund Manager, LGIM Real Assets commented 'Through long-term investment, we remain proactive in delivering the optimum environment for our occupiers. LGIM Real Assets has made a significant investment in One Piccadilly Gardens (OPG) – in which SpaceInvader has played a pivotal role. The transformation of the property will not only improve our occupiers' experience, but, more widely, assist in our drive to be landlord of choice. Aligning with Legal & General's ongoing ESG agenda, all works undertaken at OPG have the highest ESG credentials, ensuring the building remains fit for the future.'

[www.spaceinvaderdesign.co.uk](http://www.spaceinvaderdesign.co.uk)



# ARTISAN DESIGNS

TORC MAKE EVERYTHING BY HAND FROM THEIR STUDIO IN THE BRITISH ISLES

Working alongside a talented team of artisans this family run business really specializes in textures, scale, and especially bespoke design. The design side of the business proving to be very popular with landscape architects and garden designers alike realizing just how much expertise this company has to offer with a wealth of experience in design and problem solving to bring to the table. Torc welcome the opportunity to be involved at the design stage and are happy to contribute ideas when requested. Frequently being commissioned to provide planter designs, outdoor furniture and paving as a one-off template for both commercial and residential spaces.

Launching their new contemporary shaped water bowl this month was a good example of how far they can go – the diameter of this little beauty can be offered up to 3m wide. Their green credentials are impressive too.

[www.torc-pots.com](http://www.torc-pots.com)





# TORC:POTS



@torc\_pots



www.torc pots.com





# PLAYSAFE WITH TAYPLAY

## MAKING PLAYGROUNDS ADVENTUROUS, FUN & SAFE

As we move towards 2022, it is increasingly important to take stock of the effect the last two years have had on the general health and wellbeing of everyone, especially on our children & young people. Added to challenges this has presented, there are so many convenient distractions such as computer-based play alternatives & mobile devices, which discourage children from physically interacting with each other, & also generally keep them indoors.



Having to make these small decisions undoubtedly helps build confidence through play.

It is refreshing to see the change in play equipment, as well as the inherent challenges of bringing new products to the market. Key worthwhile tasks include maintaining safety for children, delivering interesting products on which to play, offering value for money for customers,

along with rationalising their investment & its anticipated return to the manufacturers. All of which keeps the whole industry moving, & developing, whilst simultaneously maintaining a fresh approach.

Although restrictions have been lifted to a degree & we have more freedoms than when the COVID 19 pandemic started, there is a greater need than ever to encourage everyone, especially children, to go back outside, & to become more active.

As a key play industry manufacturer, we recognise the current huge focus on providing safe play spaces for children all around the UK. Indeed, there are more new play areas being developed than in recent years. This drives innovation within the industry, making producers expand their thinking. This also has a key impact on the types of play equipment being designed, in order to win the next major play project.

Rope play offers a slightly different adventure & challenge for children, considering many playground structures are based on fixed pieces of equipment. There are plenty of skills which can be developed by incorporating rope based equipment, like climbing which involves helping upper body and core strength. As the nature of rope is that it moves during play, it therefore encourages general risk assessment, along with good balance.

Tayplay is no exception to this. Having been one of the major producers of large rope net structures such as our Activity Nets, Cone Climbers & Levitators, for which we are typically known, in addition to traditional rope bridges, tunnels & cargo nets, we are expecting to bring some innovative products to the market later this year. We were also pleased to launch our exciting new Tayplay TRAIL back in November 2021 & you can discover more on our website [www.tayplay.com](http://www.tayplay.com) along with the usual supporting information sheets and safety certifications. We can help with any general rope net product or major custom requirements and can also provide design support and guidance.

**To find out more, visit our website: [www.tayplay.com](http://www.tayplay.com), or contact our Specialist Team for advice, & supporting documentation: [sales@tayplay.com](mailto:sales@tayplay.com). Whatever your project, whether large or small, bespoke or standalone, our experts will be delighted to help.**



# Tayplay TRAIL is here!



**Tayplay are the largest UK-based trade supplier in EN1176-1 certified, rope playground structures.**

Our family of partners can help with full playground design, costing & installation.

[www.tayplay.com](http://www.tayplay.com) | [sales@tayplay.com](mailto:sales@tayplay.com) | +44(0)1738 449 084 | Product Show: The Duart, from the Tayplay Trail Range



## Products that tell a story

Plastic waste saved from landfill since 1995 and turned into award-winning second life products.

Plaswood is the **durable** and **maintenance free** alternative to traditional materials.



Non Staining



Recyclable\*



Long Lasting



UV Stable\*\*



Maintenance Free



Durable



Weather Proof



Versatile



High Strength



Space Saver





♻️ Fencing



♻️ Decking



♻️ Eco Edge



♻️ Litter Bins

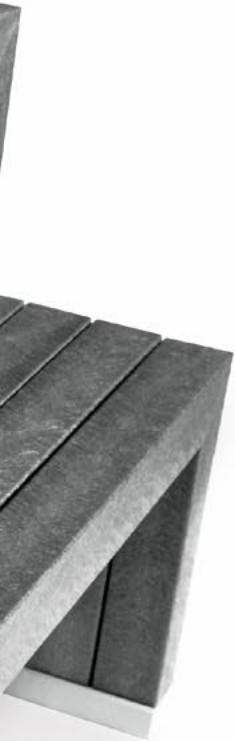


♻️ Furniture



♻️ and more

Full range includes: Tables • Benches • Bins/Composters • Planters • Lumber  
Garden furniture • Edging • Decking • Fencing/Gates • Signage • Boardwalks



**Choose a product that stands the test of time.** Plaswood provides a range of products and solutions, made from recycled plastic, that are maintenance and splinter free, rot and weather proof.

Begin your journey towards a maintenance free product, visit us at [www.plaswood.eco](http://www.plaswood.eco) or call us on +44 (0) 333 202 6800



**FOUR  
OAKS**  
Cash & Carry

# Plants & Sundries for the Trade

**Hedging - Topiary  
Buxus - Laurus Nobilis  
Shrubs & Trees**





**Huge range of shrubs  
from 3 Litre - 15 Litre**

Alpines & Perennials. Seiont Nurseries  
Young Plants. Pack bedding & Vegetables.

**Added Value Lines - April onwards:-**  
Superb range of Hanging Baskets,  
Planted Patio Pots, 13cm potted Zonal Geraniums,  
Fuchias, Osteospermums, Marguerites & Standard  
Fuchias in 10 litre pots.

**Sundries - Garden Stoneware  
Yorkshire Flowerpots - Draper Tools**

**We now stock Garden Furniture**

**NEW Italian and Spanish Stock**

**Extensive Pot Range available**



**The largest horticultural "One Stop Shop" in the UK**

**FOUR OAKS CASH & CARRY**  
Longshoot Road, Lower Withington, Macclesfield, Cheshire SK11 9DX  
**Tel: 01477 571797 Fax: 01477 571314**  
[marlon@fouroaks-nurseries.co.uk](mailto:marlon@fouroaks-nurseries.co.uk) [www.fouroaks-nurseries.com](http://www.fouroaks-nurseries.com)

## THE FINISHING TOUCH TO YOUR PERFECT GARDEN

Elementi Fires supply the latest in natural and liquid propane gas fire pits, perfect for any outdoor occasion throughout the year.

Our fire pits come in all shapes and sizes. From a variety of natural and man-made materials.

Why not pop in to our showroom to view our wide range available in stock, our staff will be happy to help with any questions you may have during your visit with knowledge and expertise.

If the fire pit you want is not in stock don't worry; we offer a bespoke ordering service with lead times between 16-20 weeks.

Located in Oxfordshire, we can deliver nationwide and overseas!

**For further information visit**  
[www.elementifires.co.uk](http://www.elementifires.co.uk)

**ELEMENTI®**  
THE ART OF FIRE

ELEMENTIFIRES.CO.UK  
01869 220050



Look what  
you can  
do with  
EverEdge...

*Image provided by Kingston Landscape Group*

Edging, rings and planters



Call for full details on 01630 417120  
See them all at [www.everedge.co.uk](http://www.everedge.co.uk)



**EVEREDGE®**  
THE EDGING COMPANY



UNRIVALLED  
IN QUALITY  
AND SERVICE



Made in  
Britain  
INVENTED  
AND  
DESIGNED

[Follow us on Twitter @EverEdge](https://twitter.com/EverEdge)

ARCHETECH - PAGE 90



## COLINWELL SUPPLY ALLAN BLOCK TO STATE-OF-THE-ART COMMUNITY SPORTS CAMPUS AT ST. PATRICK'S COLLEGE, BANBRIDGE, CO. DOWN

When plans were being drawn up for the new £1.6 million state-of-the-art community sports campus at St. Patrick's College, Banbridge, Co. Down, it quickly became evident that given the undulating nature of the site to be developed, it would be necessary to construct a retaining wall.



While long term performance and aesthetics of this retaining wall were important to the designers, what was key was that given the wall's location next to a school, it was crucial that any retaining wall built, would need to be unclimbable.

As a result, the Allan Block Retaining Wall System was chosen as it provided the ideal solution. Not only did its near vertical setback and patented Anti-Climb chamfer deliver an Anti-Climb finish (designed to prevent falls or injury), but it would also deliver a cost effective, aesthetically pleasing, durable and maintenance-free retaining wall.

its' patented interlocking front lip creates a built-in setback and eliminates the need for pins, clips, or mortar. This appealed to the designers as regardless of weather conditions, using this mortarless dry stacking system meant walls could be constructed in a straight-forward easy manner (an important factor given our often-inclement weather).

Another key factor in choosing Allan Block was the speed and ease with which it could be designed and built. The Allan Block Retaining Wall system boasts a simple installation process as

**For brochures and information on Colinwell – Allan Block Retaining Wall System contact Colinwell on 02890 618145 or e-mail [info@colinwell.com](mailto:info@colinwell.com).**

## Retaining walls... The innovative way



**Retaining Wall  
Systems**

**colinwell.com**

**Colinwell**   
Masonry & Retaining Wall Products



SCAN FOR INFO



Allan Block Retaining Wall System  
St Patricks College, Banbridge  
Colour: Pewter





# PRESTIGE UNIVERSITY

---

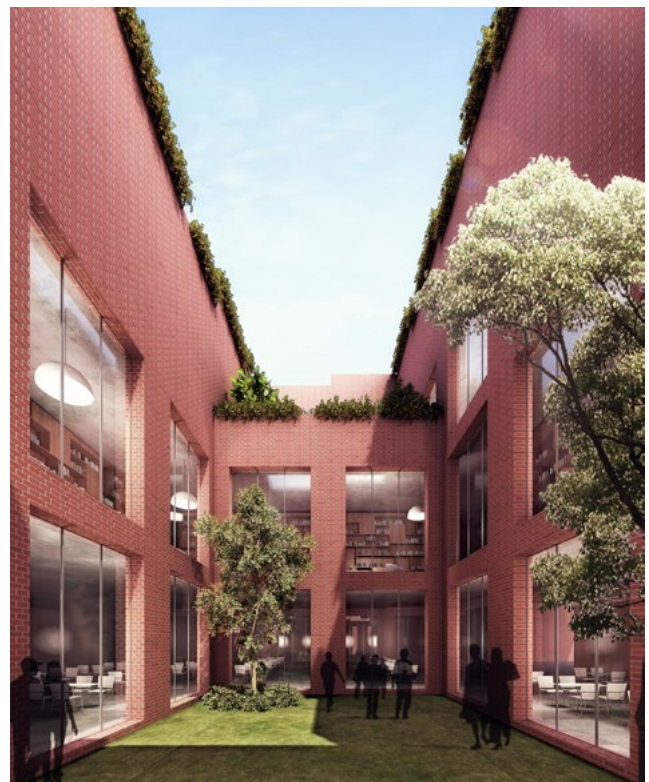
Situated within a 32-acre university campus, the main administration offices, along with an auditorium, seminar halls, library & cafeteria, form the functions of this building.

As opposed to creating an imposing edifice, the building gradually steps up from the approach direction belying its 20 metre height. Stepped up from the northern direction, the entire terrace of the 4 level building is accessible to the students & faculty of the university, transferring into an open auditorium amidst the landscape.

The multiple functional spaces within are interspersed, with naturally lit landscaped courtyards allowing indirect light to infuse the internal volumes at each level.

The north lighting & courtyards are imbibed from traditional Indian architecture, creating an energy-efficient sustainable building with minimal dependence on artificial lighting and air conditioning. This is in response to the climate of the city that varies from 30°C to 40°C for 8 months of the year.

Varied sectional volumes punctuated by landscape create different experiences in each part of the building. A continuous diagonal indoor street, in addition to the numerous open courts, facilitate natural ventilation within the internal spaces.







*The multiple functional spaces within are interspersed, with naturally lit landscaped courtyards allowing indirect light to infuse the internal volumes at each level.*

**Technical sheet**

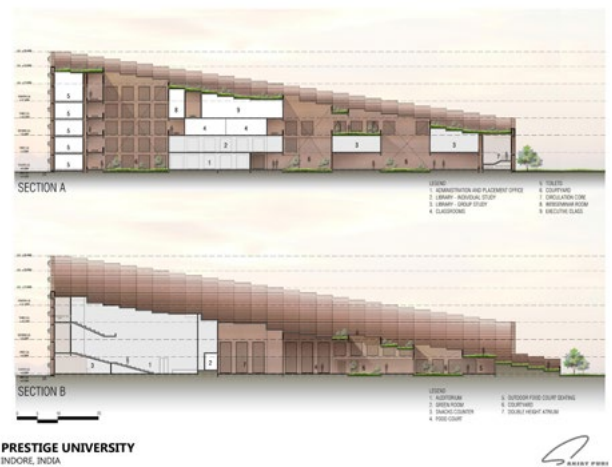
Client: Prestige Education Society  
 Location: Indore, India  
 Gross Floor Area: 2,50,000 SQ.FT  
 Principal Architect: Sanjay Puri  
 Design Team: Sanjay Puri, Ruchika Gupta, Suzanna Machado, Omkar Rane, Devendra Duggad  
 About Sanjay Puri Architects

Sanjay Puri Architects are listed in the top 100 architects worldwide by Archdaily. Architizer, New York includes Sanjay Puri Architects in their list of the top 136 design firms worldwide. The firm tops the list of WA Community award winners across the world.

As winners of the LEAF Awards London Best Interior Architecture 2021, the World Architecture Festival’s Best Housing Project of the Year 2018 in Amsterdam, and the World’s Best Residential building in the LEAF Awards, London 2017, the firm has amassed more than 270 awards, including 190 international awards and over 100 National awards.

With a firm strength of 72 professionals, evolving design solutions that are contextual, and the creation of spaces that revolutionize the way they are experienced, form the essence of the firm’s design philosophy.

[www.sanjaypuriarchitects.com](http://www.sanjaypuriarchitects.com)



# PROFESSIONAL SOLAR LIGHTING

## THE SOLAR LIGHTING SUPPLIER SHINING BRIGHT IN THE UK

For many years, it has been Lumena’s ambition to source reliable Solar lighting, but until 2018, the U.K. weather and the poor quality of many of the lights available meant it was not an option that suited our high-quality standards.

With the advent of improved technology incorporating more efficient solar panels, ever brighter LEDs and high capacity, long life Lithium-Ion batteries, Lumena have worked closely with the manufacturers to produce lights suited to the British climate by calibrating the electronic controls. By mid-2019 Lumena stocked a range of unique Solar Lighting that will light for hours every night of the year – the Pro-Solar Range. Stocked in their 20,000 sq.ft. warehouse, solar bollards, wall lights, sign lights and floodlights have proven very popular in all areas – commercial premises, public areas, gardens, even waterfront piers.

Lumena continue to expand their range with the newest path light, being the best performer yet, illuminating for several nights when fully charged! Furthermore, the ViaMax Range has launched; their exclusive, specialist range of solar street lights and lamp post lights for commercial applications and larger estates. With Energy prices on the rise once again, solar is a great way to beat those energy bills and use a more eco-friendly alternative.

When specifying for outside lighting projects, the environmental impact is a serious consideration. Lighting completely transforms an outdoor space but it is very easy to overcompensate when it comes to lighting, so incorporating designs for specified use is extremely important. As they say, less is more. By only illuminating the areas which actually need lighting, it can often look more effective, but also have less of a negative impact on local wildlife (and neighbours), as well as reducing glare.

With many designs on offer, Lumena will always stock a solar light to suit your specific requirements. The Eccentrica, for example, has a unique, contemporary design, with a precise light emission. LED light is emitted downwards and forwards, intended to illuminate pathways with no glare. Staggered spacing of the solar bollards creates a well-designed, aesthetically pleasing illumination, often required for architectural designs.



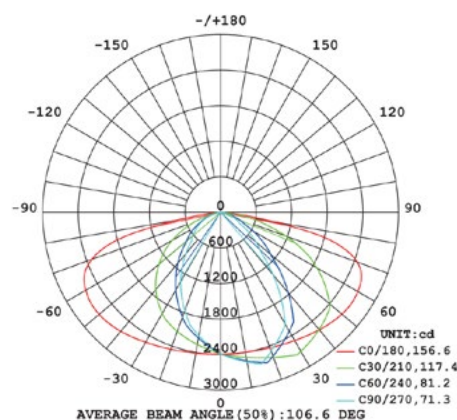
When it comes to technical lighting data, lux levels, lumens output and beam angle (spread of light) are key. Professional lighting suppliers such as Lumena have this data available, either in numerical form or by way of polar curves. This data helps to ensure the correct design is selected for the project and type of lighting required, as well as how to space bollard efficiently. Lumens is a measurement of Luminous Flux which is the total amount of light emitted as seen by the human eye. Luminous intensity, measured in candela, defines the lumens emitted in a specific direction / solid angle. and beam angles all play a part in the appropriate placement of lighting.

Lumena’s technical team are on hand Monday – Friday, 9am-5pm to advise on installations and product specifications.

[www.lumenalights.com](http://www.lumenalights.com)



**INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANS**



**Polar diagram for  
the Dominium  
solar street light**





# Solar Lighting *THE GREEN WAY FORWARD*

Reliability, Functionality & Professionalism Guaranteed



Lumena present high output, professional spec. commercial solar lights designed to illuminate 365 days a year. Powered by the planet's most renewable energy source for zero emissions & high efficiency, the professional solar range is revolutionary in function, highly sustainable and has been specified for many locations such as schools, public pathways & environmental centres.

*TECHNICAL ADVICE & SPECS / HIGH STOCK LEVELS / TRADE DISCOUNTS FOR ARCHITECTS*



SOL-ICON



OLYMPIA MAX



ECCENTRICA

**View our Full Range**

*Northamptonshire Showroom*

*Open Mon - Fri / 9am - 4.30pm*

*Centre 33, Long March, Daventry, NN11 4NR*

Trade Account

Apply for a



**Request a Visit Today**

*Tel: 01327 871161*

*Email: sales@lumenalights.com*

*www.lumenalights.com*





# PROMOTING PRODUCTIVITY AND IMPROVING WELLNESS

---

LOOKING AT LIGHTING DESIGN AS PART OF THE BIGGER PICTURE, MARKETARYPACEK, MANAGING DIRECTOR AT INDUSTVILLE LTD, UNDERSTANDS THAT OFFICE LIGHTING PLAYS A VITAL ROLE IN IMPROVING THE EMPLOYEE AND CUSTOMER EXPERIENCE

The past few years have truly transformed what we've come to expect from office spaces and their design. As the needs of office workers change, so too must the approach to workplace design. Office interiors still call for functionality at their core, but increasingly, designers are now incorporating more elements of comfort and features that facilitate improved employee wellbeing. With the mood of employees having such a significant impact on the results of a company, it's not surprising that employers are keen to design offices that motivate and stimulate their workforce. In recent years it has become clear that lighting has a big effect on people's wellbeing, alertness and productivity at work. In the past, lighting design has often focused on lighting specific tasks, such as reading or looking at computer screens, which has been at the expense of how light affects the person. To strike the right balance, we need to light not just the task, but also the space and the person, so people can feel comfortable when carrying out their work.



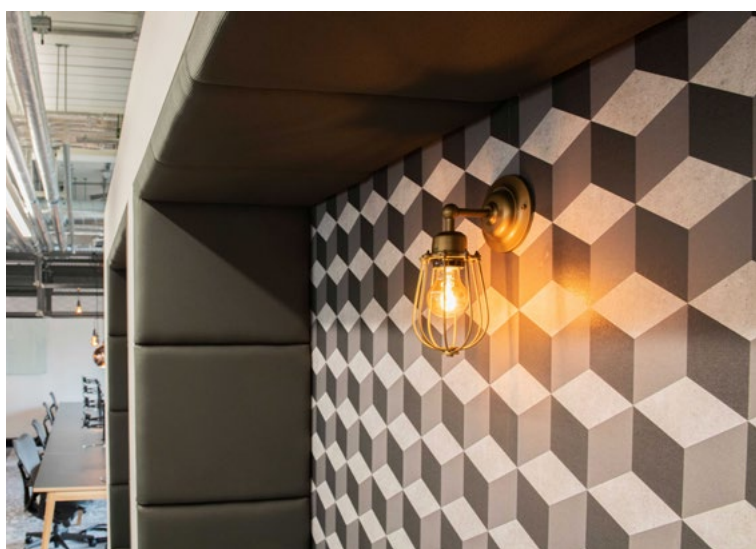


“

*I often advise customers to vary the lighting in a room to create little pockets and pools of light.*

Our natural circadian rhythm is vital in ensuring general wellbeing, affecting everything from our all-important sleep patterns to the molecular clocks that regulate the timing of our cellular activities. Keeping this rhythm in check, means we not only feel better but also perform better too, hence companies and organisations are keen to ensure they provide the right environment for their workers, with the correct lighting playing a big part in this. Biophilic design is becoming more than a trend; it is a scientifically proven philosophy of our innate connection with nature and natural elements. Modern humans spend about 90% of their time indoors, which has resulted in an outcry for a deeper connection with nature. This has affected the lighting aspect of office space design immensely, demanding greater amounts of natural light, as well as softer lighting, instead of windowless cubicles under fluorescent lighting.

Workplaces must install confidence with social distancing measures and safety guidelines whilst creating a sociable environment in which employees and visitors can relax and enjoy each other's company once more. The key here is to maintain the brand concept of your company. Lighting should be used to create a welcoming feel, resulting in a place your employees will thrive, and visitors will want to spend time in and return to. To achieve this, lighting should be approached in a layered manner. Embrace the whole range of lighting sources available from pendant lights, recessed lights and chandeliers, to track lighting, lamps and spot lighting. I often advise customers to vary the lighting in a room to create little pockets and pools of light.







# REWARDING NORDIC COPPER

TWO IMPORTANT PUBLIC BUILDINGS, DEFINED BY NORDIC COPPER CLADDING, HAVE RECENTLY RECEIVED ACCOLADES FOLLOWING PREVIOUS AWARDS

## BEST BUILDING IN SCOTLAND

The award-winning Aberdeen Art Gallery has just been named winner of the 2021 Andrew Doolan 'Best Building in Scotland' Award. The rejuvenated, listed complex is crowned by a striking contemporary rooftop extension clad in Nordic Brown Light.

The Nordic Brown Light copper rooftop extension contains a suite of environmentally controlled temporary galleries, as well as much-needed learning and event spaces, providing bold new interiors. The extension was designed as a sculptural element, responding to the proportions and colours of the existing granite frontages.

It is defined by vertical, scalloped panels - including some perforated for transparency - of Nordic Brown Light pre-oxidised copper. It is a thoroughly contemporary design but sharing materiality with the buildings' classical copper dome. Repairs to the dome itself were carried out using Nordic Green pre-patinated copper, complementing the existing historic patination.





“

*On-line ‘copper stories’ exemplify the best in contemporary architecture and showcase the diversity of surfaces, forms and applications available with Nordic Copper.*

### STIRLING PRIZE SHORTLISTED

Meanwhile, the Windermere Jetty Museum was recently shortlisted for the 2021 RIBA Stirling Prize, having already won an RIBA National Award and the RIBA North West Building of the Year Award. The museum is unified and defined by facades and oversailing roofs clad in Nordic Brown pre-oxidised copper, further developing naturally over time and responding to the unique lakeside context.

It is seen and approached from all sides, from land and water, and from a number of points of elevation. Roofs and walls therefore assume equally important status in the formal composition. Nordic Brown pre-oxidised copper is used as the determining material to give architectural consistency to these elements and to the museum buildings working together as a cohesive whole. The copper is folded and pinned with a regular pattern of brass fixings to give the elevations a unique texture, which is further reinforced by the patina gained by weathering over time.

### EXCEPTIONAL PERFORMANCE NATURALLY

Nordic Brown is part of an extensive range of architectural copper surfaces and alloys with an unrivalled lifespan, no maintenance and full recyclability. With a melting point of 1083°C and ‘A1

(non-combustible material)’ fire classification to EN 13501-1, copper is suitable for cladding tall buildings, using appropriate constructions.

As well as Nordic Standard ‘mill finish’ copper, the extensive Nordic Copper range also includes Nordic Brown with the same oxidised brown surface that otherwise develops over time in the environment. The thickness of the oxide layer determines the colour of the surface finish, with darker or lighter (Nordic Brown Light) shades of brown.

### LIVING COPPER SURFACES

Nordic Blue, Nordic Green and Nordic Turquoise pre-patinated surfaces have been developed with properties and colours based on the same brochantite mineralogy found in natural patinas all over the world. As well as the solid patina colours, ‘Living’ surfaces are available for each colour with other intensities of patina flecks revealing some of the dark oxidised background material.

Copper alloys are growing in popularity as well, including Nordic Bronze and Nordic Brass – which can also be supplied pre-weathered. The innovative Nordic Royal is an alloy of copper with aluminium and zinc, giving it a rich golden through-colour and making it very stable.

### INSPIRATIONAL COPPER STORIES

A growing series of on-line ‘copper stories’ exemplify the best in contemporary architecture and showcase the diversity of surfaces, forms and applications available with Nordic Copper today.

**For more information visit: [www.nordiccopper.com](http://www.nordiccopper.com) or email: [g.bell@aurubis.com](mailto:g.bell@aurubis.com)**





## METSÄ WOOD: WOODEN ROOF OF MACALLAN DISTILLERY RESONATES AUTHENTICITY AND HONESTY

The Macallan Distillery and Visitor Experience in Craigellachie, Speyside in Scotland is a stunning sight. Five meadow-covered hills hide the undulating roof of the distillery. The contemporary building combines a wooden roof with glass and steel. Fast, light and green Kerto LVL (laminated veneer lumber) was used as part of the prefabricated roof.

The building includes a Visitor Experience centre, three still houses and a mash house with a common roof and fully glazed wall. This reflects the wishes of the Macallan Distillery, a premium brand, whose single malt whisky production dates back to 1824. The goal was a contemporary facility celebrating phasing, authenticity and honesty.

"Kerto LVL is a very good engineered wood material, because you can trust the material dimensions," says Johannes Rebhahn, Sales Director International Timber Projects at Wiehag, who was responsible for the roof construction.

[www.metsawood.com](http://www.metsawood.com)




T: +44 (0)1825 764737  
 F: +44 (0)1825 768330  
 E: [info@appeng.co.uk](mailto:info@appeng.co.uk)  
[www.appeng.co.uk](http://www.appeng.co.uk)

## FIRE SPRINKLER VALVE SET 1" to 2"



**SIKA**

## WHATEVER YOUR ROOF, WE'VE GOT YOU COVERED







Head Office: Unit G16, River Bank Way, Lowfields Business Park, Elland, West Yorkshire HX5 9DN  
 Tel: +44(0)1422 315300, Email: [salesuk@bonditgroup.com](mailto:salesuk@bonditgroup.com), [www.bonditgroup.com](http://www.bonditgroup.com)



SILICONES • SEALANTS • PU FOAMS • ADHESIVES • BUILDING CHEMICALS • TILE ADHESIVES & GROUTS • PLUMBING SOLUTIONS • BITUMENS



## SALTO TO SHOW NEW ACCESS CONTROL INNOVATIONS AT ARCHITECT @ WORK 2022

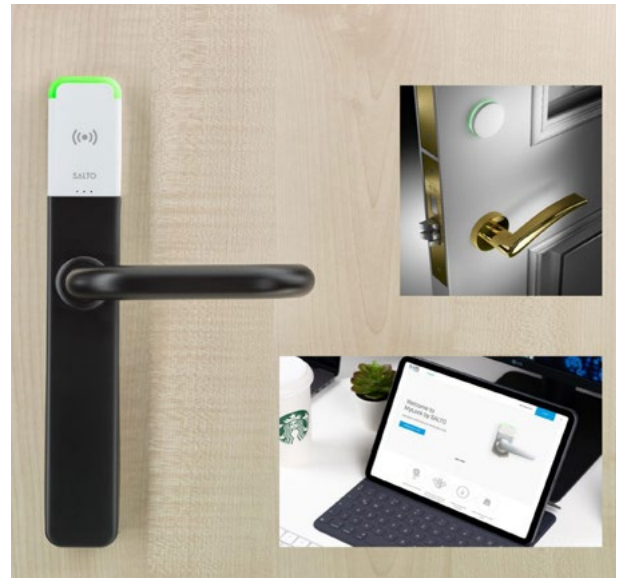
SALTO Systems will present the latest innovations in its world-class access control platform on Stand 56 at Architect @ Work 2022, 13-14 April at the Old Truman Brewery London.

The state-of-the-art wire free access platform enables architects, designers, planners, property developers and others to turn any of their clients doors into fully featured access control doors without compromising security, convenience, or control.

SALTO will exhibit its XS4 One electronic escutcheon, sleek Aelement Fusion product which eliminates lock hardware on the door by encasing all electronic components inside the door itself, making security virtually invisible, and the MyLock online electronic door lock configurator that can create your customized door and personalize all the options.

We are all looking forward to getting back to live events after pandemic disruption and this is the ideal opportunity for us to show visitors how SALTO delivers outstanding solutions for design professionals.

All these SALTO access control products have a BioCote® antimicrobial protection option that reduces the presence



of microbes and bacteria on surfaces by 99.9% making it ideal for use in the post COVID world where cleaner, hygienic environments are an increasing customer requirement.

[www.saltosystems.com](http://www.saltosystems.com)

# GLOBAL

Fire Technical Services

THE AWARD WINNING FIRE ENGINEERING SOLUTION

## Fire Scrutineer

The Fire Scrutineer concentrates on the 3 gateways of a construction project:



Design



Construction



Pre-Occupation

At each gateway, Global provide a mixture of desktop analysis and site visits to ensure that all design and actual build details are compliant, installed correctly and of good workmanship. The Fire Scrutineer records and assesses all aspects of the fire safety of the project to show due diligence and provide evidential, auditable records for the O&M manuals, in line with Regulation 38.

0115 721 2930

[info@globaltechnicalservices.co.uk](mailto:info@globaltechnicalservices.co.uk)

[globaltechnicalservices.co.uk](http://globaltechnicalservices.co.uk)

**ASFP**  
Innovation of  
the Year  
Winner

# SCHOOL USES TIME WISELY TO PROTECT INTERIORS WITH YEOMAN SHIELD

Cardinal Wiseman Catholic School based in Kingstanding, just outside Birmingham, took advantage of a quieter time, with the majority of pupils home schooling, to undertake interior wall protection work with Yeoman Shield.

Catering for 700 pupils aged 11- 16 the school has corridors and break-out areas throughout the school where walls and corners especially are exposed to marking and impact damage caused by the everyday movement of pupils, staff and equipment.

The damage not only detracts from the smart image the school strives to up hold in all areas, but also becomes a strain on the maintenance budget with constant requirements of repair and redecoration.

With the aim to reduce such damage and expenditure, after research and receiving samples, Head Teacher, Robert Swanwick, contacted Yeoman Shield to supply and carry out the installation of a complete wall protection system.

Following strict Covid guidelines throughout the process, Yeoman Shield's directly employed fixing operatives installed Yeoman Shield FalmouthEx Wall Protection Panels, (after boarding-out some of the brickwork to provide an even finish), at 1250 mm high to corridor and dining areas in a Dusty Grey colour to complement artwork decoration applied to the upper walls.

Staircase walls were also fitted with the wall protection panels with the addition of Yeoman Shield 50 mm Dia. Guardian Handrail in Timber with attractive Stainless Steel accessories.

Vulnerable wall corners were protected with 75 x 75 mm corner protection in a matching colour and Yeoman Shield 110 mm White PVCu cover over a solid timber core skirting was added.



This full Yeoman Shield wall protection system will abolish the future need for repainting walls and skirting with cleaning being the only maintenance required, reducing budgets spends.

The rigid PVCu material that Yeoman Shield products are manufactured from are easy to clean, do not promote the growth of bacteria or mould and are not affected by the use of commercial cleaners, assisting in the up keep of high hygiene standards.

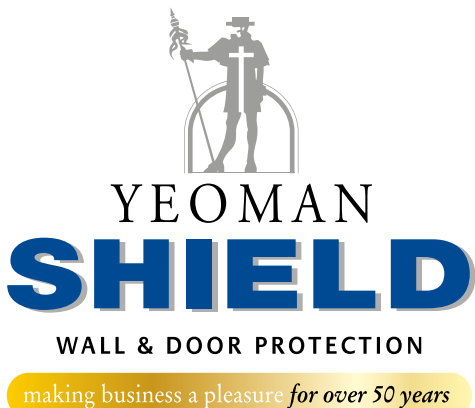
Mr Swanwick commented "the quality of the product is exceptional. It has been installed for six months in some places and shows no signs of wear or tear yet. I also cannot speak highly enough of the professionalism of the installation teams, who understand the challenges of working in a school environment and get on with things quietly and efficiently. I am a very happy customer."

For more information on how installing wall & door protection products can help save on building maintenance and help keep interiors looking smart and clean get in contact on 0113 279 5854, [info@yeomanshield.com](mailto:info@yeomanshield.com) or go to [www.yeomanshield.com](http://www.yeomanshield.com)



# EXTINGUISH THE RISK

## FIRE RATED DOOR PROTECTION



Keep your fire doors in optimum working condition with the help of Yeoman Shield Fire Rated Door Protection Products.

Manufactured by Harrison Thompson (a FIRAS company member), these fire rated products provide vital all round defence from impact damage.

Other fire door services available including door surveys, inspections, remedial work and product installation under Third-Party accreditation.



For more information call **0113 279 5854** or email **frdp@yeomanshield.com**

# Scaffold Alarms

SSA Insurance Approved



**FLEXIBLE  
SERVICE**



**ECO  
FRIENDLY**



**20+ YEARS  
EXPERIENCE**

## Our Company

Over the past 10 years we have worked with a range of architects, main contractors, scaffolding contractors & roofing contractors providing temporary security solutions to churches and other buildings throughout the UK whilst scaffolding is in place.

We are currently the only Scaffolding Alarm Company outside of London, who are accredited by the highly sought after and vastly recognizable SSAIB (Security Systems and Alarms Inspection Board (UK)) solely for Scaffold Alarms.

We are also the only company on the Ecclesiastical Insurance Approved Supplier List for the use of Scaffold Alarms.

In the past year alone we've worked with companies similar to yourselves to help them ensure adequate security protection is in place whilst temporary works are undertaken.



SCAFFOLD ALARMS



SITE SECURITY



VOID PROPERTY



FIRE DETECTION





## Construction Site Security Experts

Thefts from construction sites is unfortunately part of today's society, but not only is it the loss of equipment, fuel, materials and machinery. the most expensive part of having an intruder on your site is injury claims or damages, the cost of repairing newly built properties will undoubtedly run into the thousands.

While the presence of security cameras is often enough to deter the vast majority of would-be thieves and vandals, if your site was compromised you will have access to the video evidence required for successful prosecution. We offer a range of site security options including both hard wired CCTV systems & WireFree Battery operated systems.

### **HARD WIRED CCTV**

Most systems comprise of static and PTZ (pan, tilt and zoom) cameras, both of which are installed using anti-climb measures to prevent any attempts of tampering, The CCTV systems we use have the option of being fully monitored and many additional features, for example;

- Health & Safety – Any accidents that may occur onsite will also be captured on the 24/7 recording provided by the DVR (digital video recorder)
- Security – You can have the CCTV remotely monitored by our ARC (Alarm Receiving Centre), any out of hours' activation's/triggered events are immediately received by the ARC. They then assess the footage to confirm intrusion, the ARC then warns the intruders by triggering the onsite siren or tanoy whilst simultaneously contacting designated key holders.

### **WIREFREE CCTV**

With the advancement in technology both in microelectronics and lithium batteries, wireless battery powered CCTV gives the opportunity to not only detect the intrusion but also the provision of confirmation and video evidence.

The system has built in GSM which allows the connection to a cloud based server for video transmission. This video is then sent to a Grade 2 alarm transmission system using CSL Technology complying with BS EN 50136.

With up to 25 devices per a single control panel, providing the ability to cover substantial areas, Specifically in remote or rural locations. This is a low cost and more effective alternative to manned guards.



# VISIT KBB BIRMINGHAM 2022 FOR THE VERY LATEST DESIGN TRENDS

Europe's largest dedicated kitchens, bedrooms and bathrooms exhibition kbb Birmingham, will be returning from 6-9th March 2022. Taking place at the NEC, kbb Birmingham will feature over 300 exhibitors across 26 different product categories, featuring the very latest innovations and cutting-edge design trends in the KBB sector for 2022.

kbb Birmingham will feature an unrivalled selection of Europe's most established and prestigious brands, well known to the interior design community and all conveniently housed under one roof. Confirmed exhibitors include Quooker, Capel, Electrolux, Davroc and Caesarstone, as well as a number of up-and-coming brands within the sector. Many exhibitors will be offering visitors a first look at their new product launches and sharing the very best in KBB industry trends and award-winning designs. To view the latest list of exhibitors, visit the [kbb Birmingham website](#).





“

*For many of our exhibitors this will be the first opportunity they've had to showcase their latest products and services, following an unprecedented 2 years.*



kbb Birmingham Sales Director Jon Johnston comments;

“We are looking forward to reuniting the industry for 4 days of unrivalled networking and specifying. For many of our exhibitors this will be the first opportunity they've had to showcase their latest products and services, following an unprecedented 2 years. kbb Birmingham offers an unbeatable opportunity for the interior design community to meet in-person with valued partners, colleagues and suppliers - we can't wait to welcome everyone back.”

### COMMITMENT TO SAFETY

Informa Markets, the organisers of kbb Birmingham, have introduced Informa AllSecure, a series of best practice guidelines and industry standards for all event teams to adopt post Covid-19. As a result, there are 2 key differences that exhibitors and visitors will notice when attending kbb Birmingham:

- All aisles have been widened to 4m across the show floor to allow for easier density management and physical distancing, should this be recommended by local government at the time of the show.
- Physical visitor and exhibitor badges will be replaced by digital badges that can be accessed on any smart phone. All visitors will be encouraged to register online rather than registering when they arrive at the event.

Kbb Birmingham Sales Director Jon Johnston continues;

“Our [Informa AllSecure](#) guidelines ensure enhanced health and safety standards. Whether they are exhibitors, visitors, speakers or sponsors, we want all our customers to come to kbb Birmingham to connect, learn and do business, safely and with confidence.”

The AllSecure best practice standards raise the bar on delivering safe, hygienic, productive and high-quality organised event

experiences. This new standard is now being adopted by key stakeholders in the events industry worldwide and will continue to be updated as new ideas emerge. More information on the 10 key principles that make up the AllSecure policy can be found on the kbb website [here](#).

### PRODUCT INNOVATIONS

During the four-day event, the kbb Innovation Awards 2022, in partnership with Blum, will also be taking place. The awards honour the best and most innovative ideas in the KBB industry, recognising the most creative and ground-breaking solutions. Entries for the Innovation Awards will be accepted until 14th January 2022, when their panel of judges will create a shortlist of forward-thinking designs to put forward. Visitors will be able to see the shortlisted products at the show to get an essential preview of some of the most cutting-edge product design from the KBB sector. Details around submissions and entry requirements can be found on the kbb Birmingham website.

**For more information on kbb Birmingham 2022, please visit [www.kbb.co.uk](http://www.kbb.co.uk)**



# Bringing the KBB Community Together

kbb Birmingham

6-9 March 2022, NEC Birmingham

Credit: Verona Tiles



**kbb**

FOR MORE INFORMATION AND TO REGISTER, PLEASE VISIT [WWW.KBB.CO.UK](http://WWW.KBB.CO.UK)

Organised by:



Following:



Lead Media Partner:

**kbbreview**



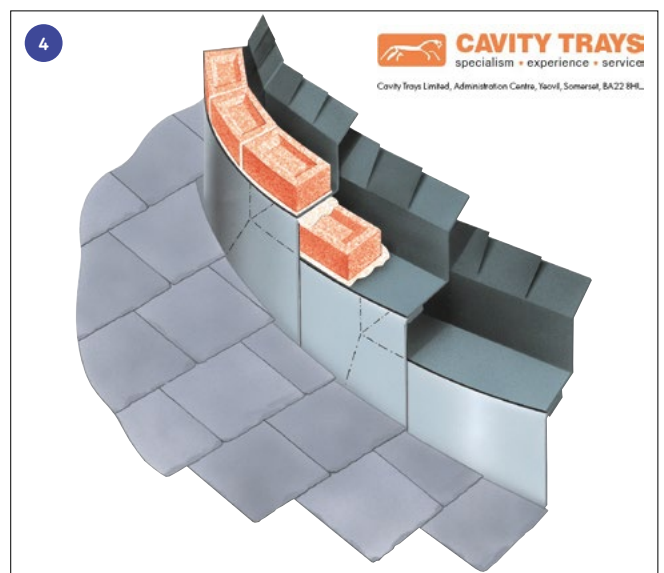


**3**

- Smoke travels freely through a building
- Smoke temperature dramatically increases
- Just two or three breaths of toxic smoke is enough to render someone unconscious

**78 people in England lost their lives** because they were overcome by gas or smoke between

**April 2020 – March 2021**



**1**

**REVOLUTIONARY NEW SPRAYER INSTANTLY TURNS SALTY WATER INTO POWERFUL DISINFECTANT**

A unique handheld sprayer has been launched which turns mildly salty tap water into a powerful disinfectant which kills 99.9% of germs, bacteria and viruses, including Covid-19. The easy-HC10 uses an electrochemical reaction to instantly convert tap water containing just 0.25% salt into hypochlorous acid, a powerful disinfectant which the human body itself produces to fight infection. The easy-HC10 has been designed by Vapourtec, a leading manufacturer of flow chemistry equipment used throughout research and the chemicals industry. "The easy-HC10 means there is no need to buy, store and carry around traditional disinfectant or bleach. It can cost up to 96% less to use than NHS-grade disinfectants and helps cleaning and facilities management businesses transition to a zero carbon future," explained Vapourtec MD Duncan Guthrie.

Visit [www.easy-hc10.com](http://www.easy-hc10.com) or call 0800 8021 885

**2**

**CHAMELEON FURNISHINGS**

Chameleon Furnishings highly experienced upholstery team work with contract manufacturers and private clients carrying out upholstery and reupholstery. Over the years our upholsterers have worked in 5\* hotels, restaurants, bars, cruise ships and even Downing Street. Chameleon have completed projects for hotel bar & foyer seating, bowling alleys and refurbishment of train seating to bring vintage carriages back to life. Chameleon have even repurposed a buffet carriage into a bar for a luxury dining experience tour company. Chameleon combine their clients specifications with their wealth of upholstery knowledge to ensure a finish that always exceeds expectations. Chameleon is adept and experienced in using a multitude of fabrics including faux leathers, leathers, velvet, and tweed to name a few to create fluted, buttoned, or plain finishes.

[www.chameleonfurnishings.com](http://www.chameleonfurnishings.com)

**3**

**FOCUSING ON FIRE SAFETY**

GEZE UK has revised a piece of lifesaving learning – the popular RIBA-approved CPD Specifying, Installing and Maintaining Ironmongery for Fire Doors has been completely revised and updated and includes new visuals and updates to regulations all in GEZE's new branding. The CPD explains what fire doors are, identifies their various components, how they work, the standards and regulations which surround them and why smoke is so dangerous. It incorporates the latest statistics for England, Wales, Scotland and Northern Ireland, including the number of people that die from smoke inhalation every year. It is intended for Chartered members of RIBA but is also suitable for facilities managers, property managers and architectural ironmongers and completely updates the previous version.

To find out more or to book a CPD seminar, email [cpd@geze.com](mailto:cpd@geze.com) or visit [www.geze.co.uk/en/services/trainings-and-seminars-cpd](http://www.geze.co.uk/en/services/trainings-and-seminars-cpd).

**4**

**GABLES - STEPPED, STAGGERED, CURVED?**

The external masonry skin above a roofline becomes an internal skin below it. Gable abutments whether stepped, staggered or both must be constructed so water penetrating this external skin is prevented from soaking downwardly and affecting those parts of the building that should be kept dry. The longest-established specialist, Cavity Trays Ltd has ready-to-use solutions, including trays for sloping, flat, concave and convex wall abutments. Awarded European Technical Approval, Cavity Trays Ltd is the only UK cavity tray company holding this standard and its approved products can be seen in structures in numerous countries. 'Protecting the Building Envelope' contains advice and solutions to a range of challenging building details, and how products with a performance warranty from the longest-established specialist benefit architect, builder and client.

[www.cavitytrays.com](http://www.cavitytrays.com)



5

**ADVANCED PERIMETER SYSTEMS**

Perimeter security has never been more important whether at home or at work. Advanced Perimeter Systems range of perimeter security systems provide solutions for every security challenge.

Our solutions are quality assured, proven, reliable, robust and simple to install. Whatever challenges you face securing your property why not give us a call to discuss your needs we may be able to design a bespoke solution just for you.

Advanced Perimeter Systems has a reputation as a manufacturer and designer of high quality, high security, perimeter security solutions. We have a range of products available for installation to make any premises more secure from industrial, commercial to domestic property.

Email: [sales@apsltd.net](mailto:sales@apsltd.net)  
Tel: 01786 479862  
[www.advancedperimetersystems.com](http://www.advancedperimetersystems.com)

6

**PROMOTING SUSTAINABLE CARPET AND TEXTILE FLOORING OPTIONS IN THE UK**

Carpet Recycling UK is an independent non-profit association working to foster strategic collaborations and networks to develop viable solutions for textile flooring waste. With core funding from flooring manufacturers Balsan, Betap, Brintons, Cormar, DESSO, ege, Headlam Lifestyle Floors, Milliken and Shaw, our network spans the carpet supply chain and waste recovery sector. This allows members to take advantage of emerging opportunities in reuse and recycling including sustainable raw materials for manufacture and identifying suitable outlets nationwide and innovations in material processing. CRUK is seeing more developers requesting that projects incorporate sustainable flooring which can include repurposed commercial carpet tiles, as well as specifying products made with recycled content or designed with take back and recycling in mind.

[www.carpetrecyclinguk.com](http://www.carpetrecyclinguk.com)

7

**RAWSON CARPET SOLUTIONS**

Rawson Carpet Solutions have released their new branding along with new products and credentials. Rawson's commitment to sustainability has seen the release of 'RECOVER' a fully recyclable carpet sheet and tile solution made from 80% recycled materials. The recycled content is GRS (Global Recycled Standard) accredited. The Range now comes with full EPD's (Environmental Product Declarations) with the BRE. The EPD's extend to the full heritage range as well. At the same time the Nylon Range is diverse and Rawson will be revealing a new unique structured nylon tile solution early in 2022. The image shows the successful installation of structured nylon plank 'RIVEN' at the Cambridgeshire County Council new Alconbury Hub Offices, providing a sinuous flowing pattern through the space.

Tel-01924 373421  
[www.rawsoncarpetsolutions.co.uk](http://www.rawsoncarpetsolutions.co.uk)

8

**DERALAM ACQUIRE DISTRIBUTION RIGHTS TO HOMAPAL®**

Keen to stay ahead of the market, Deralam have sole UK distribution rights for Homapal®, that specialise in laminates of various finishes including real metal surfaces, this leaves an almost unlimited scope for creativity and customisation; meaning that this product has a multitude of applications and finds its way into cruise ships, bars, restaurants, nightclubs and high street retail stores, in fact, any vertical surface that needs to be enhanced. Over the years, hardly any other material has proven its worth in interior design to the extent in which the laminate has done. Looks, feel and function are combined to get the interplay of elements into all-embracing spatial concepts in a way that could not be more natural. Deralam is the ideal choice for Architects, manufacturers and retailers alike.

[sales@deralam.co.uk](mailto:sales@deralam.co.uk)





9

INNOVATIVE DESIGN

Lyfthaus have a well proven team of experienced and innovative design engineers and creative thinkers who deal solely with the stylish and refined tastes of architectural clients. Placing their clients' needs at the heart of every design, the Lyfthaus objective is to exceed clients' expectations, delighting them by providing an individual and unique service that delivers an uncompromisingly high standard of design, fit and finish to every project. Lyfthaus are the lift industry's foremost creative designers providing architects with an unparalleled freedom of choice and the source of the very best architecturally inspired platform lift design solutions.

Lyfthaus combine stimulating trends and finishes with a client's key requirements to guarantee a design that is exclusive, reflecting their own property style and requirements.

lifts@lyfthaus.com  
www.lyfthaus.com

10

GARADOR'S HIGHLY INSULATED AND EXTRA SECURE GARAGE DOORS

Today, insulation and security are key in any home.

Garador now offers a range of Premium [Sectional Garage Doors](#) designed to offer especially high levels of insulation with 42 mm thick double-skin steel sections filled with 100% CFC-free PU rigid foam with a seal between each section plus all weather rubber seals on all sides.

These exceptionally engineered sectional garage doors also offer extra security and, fitted with the electrically automated GaraMatic operator, can qualify for SBD accreditation.

Find out more about Garador's Premium Sectional Doors at [www.garador.co.uk](http://www.garador.co.uk) or call 01935 443722

11

TURBOQWIK FROM THE SCREWSHOP

Screwshop – the home of the Turboqwik is a high performance screw designed to be used in hardwood, MDF decks, wood to plastic and wood to sheet metal. With 6 reaming nibs under its head, its perfect for countersinking with no burrs. Its high performing yellow coating (CR3 ROHS compliant) has been salt spray tested up to 200 hours. Each box comes with a PZ2 driver bit. The precision multi-purpose woodscrew has an extra sharp drilling point, so no need for any pre-drilling. With a coarse serrated thread, its unique sawfix design enabling for extra quick drilling, it really is a dream to use. Another advantage is its reinforced head which increases torque and reduces breakages. Sizes range from 3x16mm to 6x150mm. It really is such a simple screw that does a lot more.

Any enquiries, please call us on 0121 559 8866.  
[www.screwshop.co.uk](http://www.screwshop.co.uk)

12

TITON DEVELOPS THE ULTIMATE DMEV FAN

Titon are pleased to announce the release of a new revolutionary dMEV that ticks all the right boxes. The new Titon Ultimate® dMEV is a constant flow fan that has been specifically designed to exceed ventilation demands, but meets current and proposed legislation.

The high performing Titon Ultimate®dMEV is an ultra quiet low profile fan, which is suitable for new build or refurbishment projects. It has a one fan fits all solution and is ideal for bathrooms, kitchens and utility room applications.

With adjustable continuous and boost speed settings available, the Titon Ultimate® dMEV utilises an efficient DC motor and incorporates a uniquely designed impeller/guide vane combination to produce high flow rates and pressure.

[www.titon.com/ultimate](http://www.titon.com/ultimate)



# KING'S COLLEGE SCHOOL, WIMBLEDON

WHEN A NEW STATE-OF-THE-ART MUSIC BUILDING CALLED FOR STUNNING BRICK FEATURES TO COMPLEMENT ITS WARM TIMBER AESTHETIC, IG MASONRY SUPPORT WAS ABLE TO CREATE A SOLUTION TO MEET THE CLIENT'S EXACTING BRIEF

King's College School, Wimbledon is an independent day school which is one of the most academically successful educational institutions in the world.

Designed by Hopkins Architects, overseen by contractor Interserve and brickwork by subcontractor Lee Marley Brickwork, the school's new music building comprises sound-proofed practice rooms, large group rehearsal venues, specialist classrooms and a stunning concert hall which accommodates a 70-piece orchestra as well as a capacity for an audience of 200. The external walls are made from hand-made brick in order to heighten the campus's architecture and the school's historic nature. Such is its modern beauty, the building won a series of awards, including the RIBA National Architecture Award 2019, after it opened in 2018.

IG Masonry Support was selected for this project due to its expertise and successful completion of previous work programmes for Interserve in cooperation with Lee Marley, including the Defence and National Rehabilitation Centre (DNRC).

## THE CHALLENGE

For the King's College School's new music building, the client desired a series of load bearing arches with mechanically fixed bricks. One of these arches had to incorporate the school's coat of arms, which would greet visitors and students to the building, and proudly symbolise the site's heritage.

To meet this demand, IG Masonry Support manufactured and supplied a range of brick slip flat skewed arches all mechanically fixed and built seamlessly into the brickwork. Customisable to



“

*Due to the nature of this project, all the brick slips had to be mechanically fixed in addition to the use of adhesive.*

architect's design wishes, the Brick Slip Masonry Support systems are prefabricated units manufactured offsite and delivered complete with bricks bonded to them.

Brick arches have retained their aesthetic allure for hundreds of years. The utilisation of IG Masonry Support's brick slip system enabled the perfect convergence of tradition and modern methods of construction, offering a historic aesthetic within an easy-to-install solution.

One of the architect's requirements was that the bottom edges of the arches follow a slight curvature in order to match the appearance of the old traditional built arches. Offering the traditional 'look' with all the modern benefits, utilising IG Masonry Support's versatile solution ensured the architect's wishes could be granted.

Due to the nature of this project, all the brick slips had to be mechanically fixed in addition to the use of adhesive. Furthermore, structurally, the combination of a long clear span (up to 4.5m) and high loads, required the use of heavy steel sections. Thanks to IG Masonry Support's skill and expertise, these challenges were overcome.

A separate hurdle lay in the historic coat of arms which had to be fixed to one of the arches. The stone, which is engraved with the arms, dated back around 200 years and had to be modernised in order to make the installation possible. IG Masonry Support collaborated closely with a specialist, who sensitively restored the coat of arms, ensuring its integrity was retained.

## THE SOLUTION

IG Masonry Support went above and beyond to assist the specialist with the coat of arms. Doing so meant the symbol



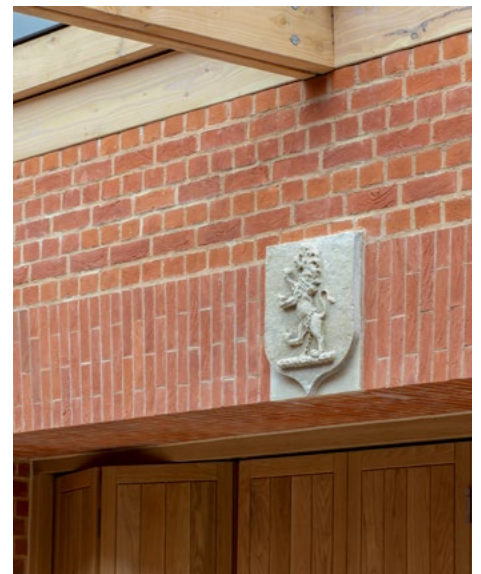
looked immaculate on installation, meeting the architect's wish for a modern building with touches of traditionalism.

IG Masonry Support exceeded expectations in more ways than one, however. As IG Masonry Support's brick slip masonry support system is tailorable to a project's requirements, a seamless match with the surrounding brickwork was achieved with all support steelwork able to be concealed.

Not only is the system versatile, it offers ease-of-installation, which subsequently enables time-savings onsite. The bespoke solution offers a 70% weight saving against an equivalent concrete product, negating the need for mechanical handling and onsite labour. These were significant benefits on this project in particular.

A stunning music building within a high-profile school's campus, the presence of IG Masonry Support's systems and the expertise of its teams ensured King's College School's new space is an inspiring arena for the next generation of musical talent.

[www.hopkins.co.uk](http://www.hopkins.co.uk) | [www.igmasonrysupport.com](http://www.igmasonrysupport.com)



# THE SURFACE DESIGN SHOW

THE DESIGN INDUSTRY WILL ONCE AGAIN BE ABLE TO MEET IN PERSON AND BE UPDATED ON THE LATEST SURFACE MATERIALS AND DESIGNS WHEN THE SURFACE DESIGN SHOW RETURNS TO THE BUSINESS DESIGN CENTRE FROM 8-10 FEBRUARY 2022

**SURFACE  
DESIGN  
SHOW**  
BUSINESS DESIGN CENTRE  
LONDON - 8-10 FEB 2022  
[surfacedesignshow.com](https://surfacedesignshow.com)

Over 120 exhibitors will be exhibiting, including 35 new talents at the UK's leading event for architects and designers. Many of the exhibitors will bring to the show a range of new product launches, inspired by the show's theme 'Sense of Place' with the goal of putting humanity and the planet's wellbeing at the heart of all decision making.

Surface Matter will be displaying its sweet material pop up shop stand. The stand is inspired by Surface matter's material studio in London Fields which is described by architects and designers as a 'sweet shop for materials'.

Hosting debates, panels, trend forecasts and insights into the latest surface design innovations, the Main Stage is at the heart of the Show. There will be 16 presentations on the Main Stage during the 2 ½ days of the Show. The Opening Night debate highlights a younger generation of architects and designers and is entitled Climate Change and Future Proofing. New to Surface Design Show is a series of Legends Live interviews where an industry personality meets and chats with their 'legend'.

One of the highly anticipated and unique parts of the show is the New Talent section. Supporting new talent is a key focus for Surface Design Show. This year over 30 participants, will display a range of sophisticated and innovative designs, from textile designs featuring augmented reality to 3d tiles of eco resin and waste materials. Many of the participants this year also show a recurring focus of using natural materials and dyes.

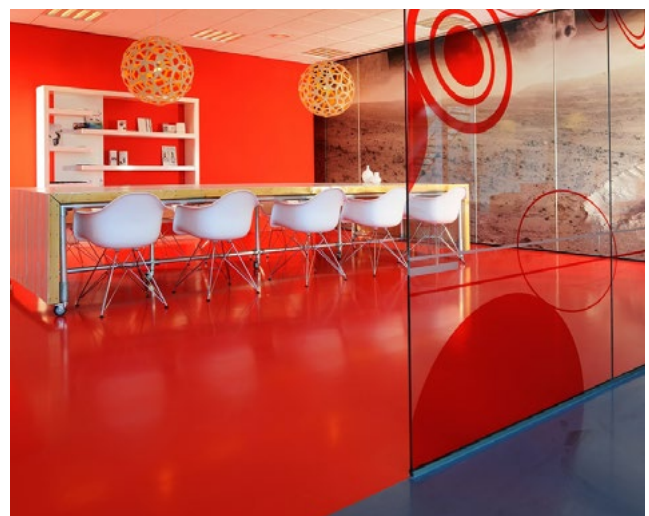
New Talent is curated by Trendease International and held in Partnership with Canon UK.

Each year visitors also look forward to Surface Spotlight Live, a focal point of inspiration for designers to touch and compare the very latest material prototypes. Surface Spotlight Live will highlight the Show's 'Sense of Place' theme and will be curated again by trend and colour expert Sally Angharad and held in Partnership with CD (UK).

2022 will be the 10th anniversary of the Surface Design Awards which is therefore fitting that it received a record number of entries.

All the finalists, including the new Architectural Photography Award, will be featured on a display stand with Surface Design Show.

Registration to attend the show is now open  
<https://sds-2022.reg.buzz/website-button>





# SURFACE DESIGN SHOW

**BUSINESS DESIGN CENTRE  
LONDON – 8-10 FEB 2022**  
[surfacedesignshow.com](http://surfacedesignshow.com)

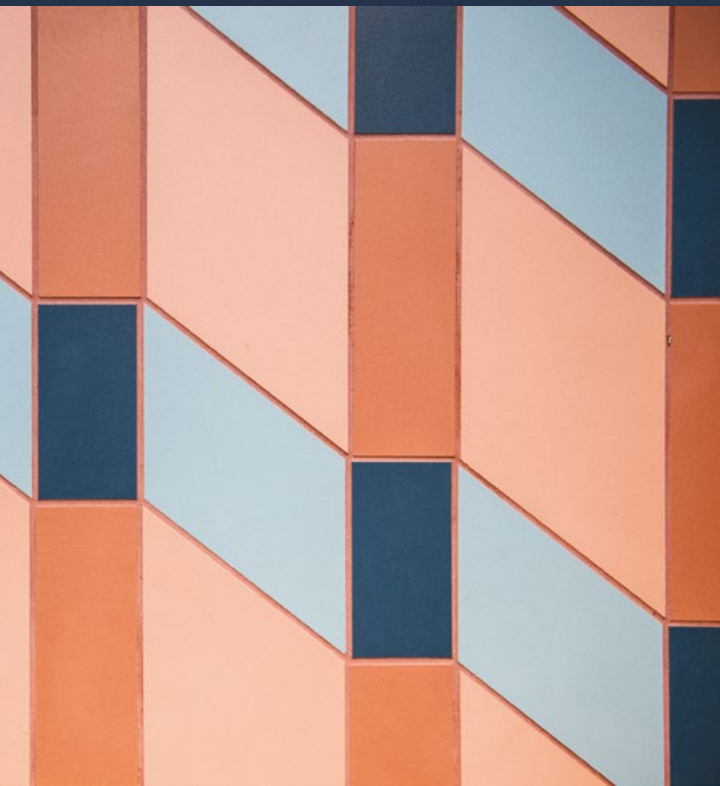


Featuring

**LIGHT  
SCHOOL**

**STONE**  
GALLERY

**SURFACE  
DESIGN  
AWARDS**



**SEE AND  
TOUCH THE  
WIDEST RANGE  
OF PRODUCTS  
AND DESIGNS  
FROM THE UK  
AND BEYOND**

**REGISTRATION IS NOW LIVE!**

**JOIN** thousands of architects and designers

**REGISTER TODAY FOR FREE**

# The ROCKWOOL® Red Book is now updated

The ROCKWOOL Red Book is a powerful digital tool which provides access to technical data, product certification and a wide range of specification support materials across the ROCKWOOL product range. It remains a vital piece of your technical toolkit, and has recently been updated to reflect the latest ROCKWOOL innovations.

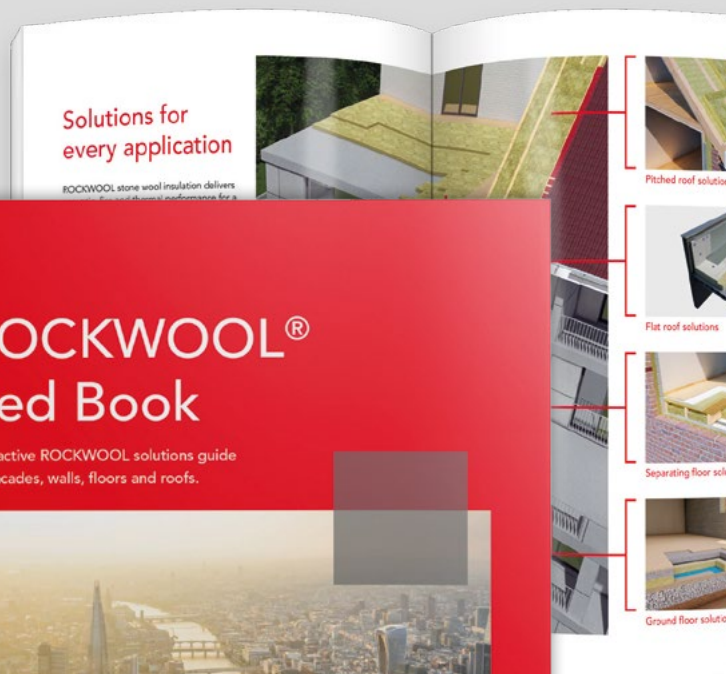
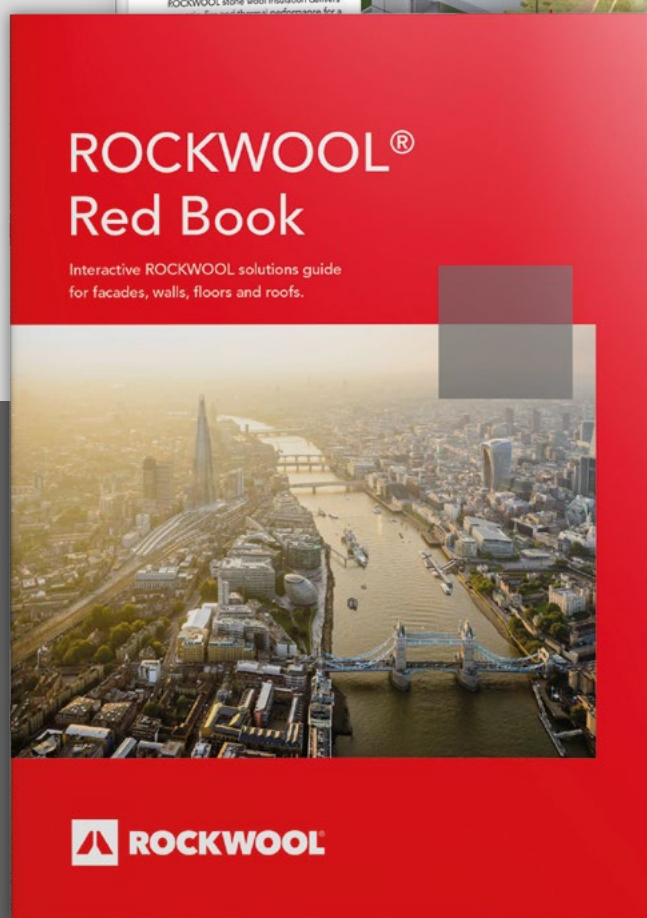
With the new and improved ROCKWOOL Red Book, you can now access:

#### BBA Certified HARDROCK® range

- The HARDROCK range has recently been certified by the BBA following rigorous testing of its durability and thermal and fire performance.

#### External Wall Insulation Dual Density Slab information

- Thermal and acoustic performance data can be accessed from the updated ROCKWOOL Red Book, as well as relevant NBS clauses.



Download a  
copy of the new  
ROCKWOOL Red  
Book now!



[rockwool.com/uk/redbook](http://rockwool.com/uk/redbook)