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HONORARY DEGREE

'Restoration Man' presenter receives honorary degree

Architect, writer, lecturer and TV presenter George Clarke has received an Honorary Doctorate from Leeds Beckett University.

George, best known for presenting Channel 4's *Restoration Man*, was awarded an Honorary Doctorate of Arts on Friday 24 July for his contribution to the Arts.

Speaking about his award, George said: "It's a huge honour to receive the honorary doctorate today. I'm thrilled to bits and can't quite believe it. To be sharing the day with so many other graduates is great. It's actually 20 years nearly to the day that I got my first degree so I feel like I'm going back in time today."

When asked about his career highlights, George commented: "I think I've been really lucky and have had many career highlights over the years: beginning my television career was amazing, establishing my own practice was

fantastic, graduating was brilliant back in 1995 as well. Starting my own office and becoming an architect was a hugely big deal for me. I think that was my biggest ambition of all: all I really wanted to do was graduate, become an architect, and hopefully one day launch my own business. I think everything else that's happened since then has been a massive bonus."

After studying architecture at the University of Newcastle and University College, London, George started his own practice in 1998, with celebrity clients including Simon Fuller and Jamie Oliver. In 2011 George set up George Clarke and Partners who have designed and realised a diverse portfolio of work from new build and residential refurbishments through to high profile developments in retail, commerce, arts, culture and regeneration.

George's advice to graduating students



© Leeds Beckett University

today is to work hard: "They'll have worked hard for the last three years but they've got to keep that going. You've got to have a real passion for what you do. I love what I do every single day, whether it's sitting at a drawing board, designing buildings, visiting buildings, making television. I've always had that passion since I was a kid and I think that's the most important thing. Also seize every opportunity that comes along. In some ways making mistakes is no bad thing – you learn from your mistakes more than anything else."

Architects needed for HS2 Design Panel

HS2 Design Panel Chair, Sadie Morgan, has begun recruiting experts from many different design disciplines, to the Panel that will oversee the design development of High Speed Two.

To be a catalyst for growth across Britain and enhance the lives of future generations HS2 Ltd published its Design Vision in March 2015 to embed design excellence in all aspects of HS2.

The Design Panel, led by Sadie Morgan will be a critical friend to HS2, ensuring that as it develops its designs it delivers on the HS2 Design Vision.

Commenting as recruitment was launched, Sadie Morgan said: "HS2 is one of the country's great design opportunities. I am looking for a group of experts from across a wide range of disciplines to join HS2's independent Design Panel. They will help make sure that design remains at the core of this project and delivers all its potential benefits for future generations.

"HS2 needs to work not only for its passengers but for all the communities it affects. It should respect and enhance the environment and stand the test of time. I have confidence

that with an influential Design Panel we can ensure that HS2 provides an outstanding passenger experience and best value to the nation."

Welcoming the launch of recruitment to the Design Panel, HS2 Ltd's Chief Executive, Simon Kirby said: "Design has a central role to play to ensure that High Speed Two achieves its full potential. It must work for everyone, not just those who use it. How the line exists in urban and rural environments; how its stations work as public realm and enable regeneration; how design should be inclusive. The Design Panel's role, in keeping the project true to these aims, will be key to successfully delivering HS2."

Transport Secretary Patrick McLoughlin said: "We want HS2 to be a world class railway and to achieve that we need excellent design. The HS2 Design Panel has a vital role to play and I encourage talented people from a wide range of disciplines to become members of the panel. Together we will make HS2 into something that can truly transform our country."

The Design Panel of around 30 design experts will begin its work in autumn 2015.

AWARDS

The best of British design and craftsmanship in wood: Shortlist announced for the 2015 Wood Awards

Twenty outstanding British buildings have been nominated for The Wood Awards 2015 shortlist, featuring some of the UK's best architectural designs in wood. Led by architect, Giles Downes, the judges reviewed applications in a variety of categories including: Commercial & Leisure, Education & Public Sector, Existing Buildings, Interiors, Private and Small Projects. All of the shortlisted projects will be

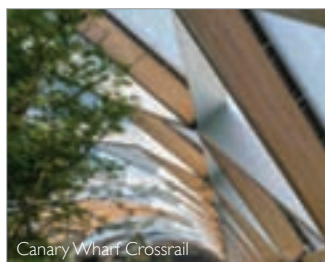
showcased at 100% Design stand L722, 23-26 September at London Olympia. The final winners will be revealed by host Tom Dyckhoff at the 44th annual Wood Awards ceremony at Carpenters' Hall on 10 November.

The Wood Awards are the UK's premier competition for excellence in architecture and product design in the world's only naturally sustainable material. The Awards aim to recognise, encourage and promote outstanding design, craftsmanship and installation using wood.

Michael Morrison, who returns as Chairman of judges for the rest of the year, comments: "With so many excellent projects, the most difficult part of the judging is the shortlisting. However, once the shortlisting is completed the most interesting

part of the process begins with every project receiving a visit from at least two of the judges. The visits are a real pleasure enabling the judges to see the terrific use that is being made of timber, the high quality designs and the excellence of craftsmanship which is on display."

The shortlist for this year's Structural Timber Awards can be seen on www.architectsdatafile.co.uk – just enter reference number 62698.



Canary Wharf Crossrail



Maggie's Oxford

Sleep 2015 announces 'Wonder Tale' student design competition

Sleep, Europe's leading event for the global hotel design, development and architectural community, has announced a new competition aimed at spatial design students who are invited to create original concept images expressing 'Wonder Tale' and submit this via Pinterest. Entries will be judged by influential hospitality design professionals with the winning entries exhibited at Sleep on 24 and 25 November.

'Wonder Tale' challenges design students to unleash their imaginations and create original concept images for a hotel guestroom that draws on the essence of fairy tales and folklore from around the world, weaving their own story which, just like a fairy tale, touches on the human condition while playing with perceptions and disrupting the norm to engage and nurture the guest in new ways. The full brief and

submission details can be found on the Sleep website. The competition's theme ties in with this year's Sleep Set and Sleep Bar (in Association with Sleeper), two hugely inspirational and popular features which are created afresh each year at Sleep, challenging design companies to create built spaces that push boundaries and explore new ideas.

Once complete, contestants need to tweet @sleepevent a link to their images – entitled 'Sleep Wonder Tale' – including the hashtag #WonderTale. Images must also be available as a 300dpi tif or jpg file suitable for printing at A1 size (w841 x h594mm).

The closing date of the competition is 5 October 2015 and entries will be judged prior to the Sleep event by the Sleep Set design professionals.

events

AWARDS

British Homes Awards

16 October, London
britishhomesawards.co.uk

Brick Awards

18 November, London
www.brick.org.uk/brick-awards

FESTIVALS

London Design Festival

19 - 27 September, London
www.londondesignfestival.com

TOURS

Open House London

19 - 20 September, London
www.openhouselondon.org.uk

TRADE SHOWS

Decorex

20 - 23 September, London
www.decorex.com

100% Design

23 - 26 September, London
www.100percentdesign.co.uk

UK Construction Week

6 - 11 October, Birmingham
www.ukconstructionweek.com

Healthcare Estates

20 - 21 October, Manchester
www.healthcare-estates.com

Independent Hotel Show

20 - 21 October, London
www.independenthotelshow.co.uk

Greenbuild Expo

10 - 11 November, Manchester
www.greenbuildexpo.co.uk

Sleep

24 - 25 November, London
www.thesleepevent.com

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PROJECT

The Gainsborough Bath Spa – a first in hotel spa design

From the original thermal baths of Roman times to Georgian society's 'taking the waters', the city of Bath has long been associated with the restorative powers of its natural springs. Drawing on this rich heritage, the new Gainsborough Bath Spa, situated above the remains of ancient Roman Baths, is the first UK hotel to offer a natural thermal spa.

In 2006 EPR was selected to convert a disused block in the heart of the historic city of Bath into a 99-bedroom five-star luxury spa hotel. As project architect, Claire Truman explains: "The listed nature of the building and its location in the world heritage site offered a distinctive starting point and inspiration for its re-use as a spa hotel – it was an opportunity to create something genuinely unique."

Developing a site with such a rich history brought its own challenges to the project, not least the fact that excavation work was severely restricted by the remains of Roman Baths beneath. This demanded an innovative design solution for the sub-structure, particularly to the lifts and pool area, the latter of which stands directly above an original Roman mosaic. In homage to this, a replica mosaic was commissioned which now forms a stunning focal point in the hotel spa.



Further inspired by the site's Roman legacy, the spa is centred around a two-storey glass atrium which encloses the pool to create an internal courtyard filled with natural daylight. The spa facilities include eleven treatment rooms, saunas, a steam room, ice chamber, fitness centre, and – uniquely – a series of natural thermal water pools, each set at a slightly different temperature to enable a genuine Roman bathing experience.

The hotel itself is the product of a complex conversion from five Grade II listed buildings, including renowned nineteenth-century architect John Pinch's United Hospital building, until recently the home of Bath's

Technical College. Unifying the different buildings, each with their own levels, and converting them within the planning height constraints demanded a creative solution in order to deliver the desired number of bedrooms and associated facilities. As well as the conversion, EPR also designed a portion of new build which served both to link the buildings together – including an underground link to the 14-bedroom hotel annexe – and to rejuvenate the perimeter. The external design was further enhanced through new stepped terraces to Bilbury Lane, publically accessible roofs and a sympathetic external lighting scheme whereby the feature lighting is limited to the hotel's key architectural elements.

Internally, and working in collaboration with New York interior designers Champalimaud Design, EPR conceived a series of varied and sophisticated spaces, both for the public areas and the bespoke guestrooms. Alongside the spa, the development comprises 99 custom-finished guestrooms and suites (three of which are the only guest rooms in the UK to offer guests in-bathroom access to the thermal waters), restaurant, private dining room, lounge and banqueting facilities.

Opened on 1 July 2015, this much awaited luxury hotel and spa is set to become a leisure destination of choice.

'It was an opportunity to create something genuinely unique'

Claire Truman, project architect



Birmingham's tallest tower granted planning permission

Doone Silver's design for a new landmark tower in Birmingham for Sterling Property Ventures and Rockspring Property Investment Managers LLP has been given planning permission from Birmingham City Council.

103 Colmore Row will be a distinctive 211,000 sq ft structure, replacing the former 1970s NatWest Tower. At 26 storeys and 336ft/102.5m high, it will be the tallest building in Birmingham's central business district.

Comprising 200,000 sq ft of office space over 19 floors, and with floorplates of up to 12,000 sq ft, the scheme will also feature a terrace on the 18th level, for the exclusive use of the occupier. The building is capable of accommodating around 2,000 workers.

The project also includes 15,000 sq

ft of leisure space. At street level, plans include a winter garden and cafe facing Colmore Row and a restaurant/bar along the Newhall Street facade. There is provision for a 8,600 sq ft restaurant at the top of the building, to include a 2,900 sq ft 'lantern' space offering 360 degree views across the city. The apex of the building will be 243m above sea level.

The demolition of the existing 22-storey concrete-clad tower will begin in early August and the project is due to complete by Spring 2018.

Peter Graham, Construction Director of Sterling Property Ventures, said: "We're very pleased that Birmingham City Council has acknowledged our unwavering commitment to this project and this great city. It means we can now move this project off the drawing board and



on to site, replacing an outdated, inefficient building with a modern, landmark office development that Birmingham can be proud of"

Three agents have been appointed to advise on lettings: Colliers International, DTZ and Knight Frank. Matt Long, director in the national offices team at Colliers International, said: "The timescale for delivery means we can work with interested occupiers to ensure their workspace matches their aspirations."

PROJECTS

Two new projects for Woods Hardwick

news bytes

Visit the website www.architectsdatafile.co.uk and enter the reference number for more information

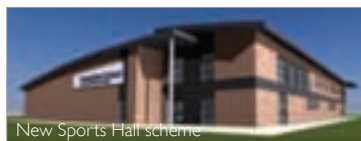
The Bartlett School of Architecture reveals movable urban garden in King's Cross...
Ref: 55071

2015 European Hotel Design Awards' finalists announced...
Ref: 16442

Turley secures permission for redevelopment of Truro Football Club...
Ref: 68077

Working directly with Amersham School and the main contractor, Woods Hardwick successfully secured planning permission for a contentious four badminton court sports hall scheme located in the Green Belt. The building provides the school with much needed internal sports hall, dance studio and ancillary spaces.

This project required Woods Hardwick and the main contractor to develop the initial scheme started by a previous developer and drive the project through a complicated planning process



on a contentious site located within the Green Belt, to a satisfactory conclusion.

The scheme was called in by the Secretary of State for the environment, but the supportive information provided by Woods Hardwick proved to be robust enough to remove this obstacle, and planning was granted.

Woods Hardwick has also designed a new purpose built extension at Southfields Primary School incorporating a much needed link to bring the two existing school blocks together, five new classrooms, associated storage and WC facilities. Included within the development is a partial refurbishment of some key areas of the existing school thereby bringing the facilities up to date and in line with modern educational needs for this type of school.



Planning submission was granted in February 2015 and started on site in April/May 2015 with the school remaining open during the construction period.

The children are an important part of the development and to promote a fully inclusive process the school and children have been directly involved with the design process. A series of site visits will also be given to the children and school staff through the construction period.

The build is set to last 12 months with a project completion in Easter 2016

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EVENT

'Now in its fourth year, the Independent Hotel Show has gone from strength to strength'



Independent Hotel Show announce a 20 per cent increase in exhibitors for 2015

The Independent Hotel Show is pleased to announce a 20 per cent increase in exhibitor bookings for 2015 compared with the same stage last year. The show, which takes place at Olympia West on 20-21 October, brings together a diverse selection of premium exhibitors from across the hotel supply chain. Now in its fourth year, the Independent Hotel Show has gone from strength to strength with visitor registration increasing by 25 per cent compared with the previous year, reflecting the scope and quality of this year's show.

The must-attend event for the luxury, boutique and independent hotel industry welcomes back an array of core exhibitors, with 60 per cent of stands returning for 2015, including CP Hart, Agentia UK and Hypnos Beds. The show is also attracting a high calibre of new exhibitors such as And So To Bed, LSA International and Alpha Wellness Sensations, keen to take advantage of the one-stop show.

The notable increase in exhibitors and registration is testament to the thriving independent hotel sector and the

show's ability to appeal equally to exhibitors and hoteliers.

Commenting on the show's successful trading position, Miranda Martin, Show Manager says: "The increase in both registrations and exhibitors is a reflection of the show's growing appeal and its ability to provide a unique and effective platform to unite leading industry figures, suppliers and hoteliers. With just under three months to go, these numbers are very positive, not only for the show but for the industry as a whole. The show has a stellar reputation and we endeavour to continue its development and growth."

Returning to Olympia West on 20-21 October, the Independent Hotel Show is the must-attend business event for the luxury and boutique hotel sector, promising two days packed full of inspirational speakers, industry insight and topical debate.

For more information on the Independent Hotel Show 2015 please visit www.architectsdatafile.co.uk and enter reference number 91050.

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EXHIBITION

Palladian Design: The good, the bad and the unexpected

The Architecture Gallery, RIBA: 9 September 2015 – 9 January 2016
#PalladianDesign

'RIBA's exhibition explores how architects such as Inigo Jones and Lord Burlington turned Palladianism into a national style'



Glashutte, France by
Oswald Mathias Ungers,
1985 © Stefan Mueller

The Renaissance architect Andrea Palladio is the only architect who has given his name to a style; one that is still in use around the world after nearly 500 years. From the US Capitol to a 21st century Somerset cowshed Palladian Design: The Good, the Bad and the Unexpected introduces Palladio's design principles and explores how they have been interpreted, copied and re-imagined across time and continents from his death in 1580 right up to the present day.

Focusing on his legacy, RIBA's exhibition explores how architects such as Inigo Jones and Lord Burlington turned Palladianism into a national style. The style was adopted in the design of houses, churches and public buildings around the world from New Delhi to Leningrad. Palladianism became so widespread that it seeped into peoples' unconscious references and desires – elements were found popping-up in American Negro Churches and terraced housing and homes in the UK.

The 20th century saw a revival of traditional Palladian mansions while the 21st century has seen his design principles being utilised in a more abstract way. The exhibition asks many questions about what makes a building 'Palladian' – does a building have to look classical to be Palladian? Is it the design principles or the social and political connotations of tradition, power and establishment that have led to the enduring popularity of the style?

The exhibition is structured chronologically around three themes: revolution, evolution and the contemporary. It includes 50 original works, including drawings, models and busts.

The first part of the exhibition introduces Palladio and outlines his unique system of architecture. It charts the development of Anglo-Palladianism

from 17th Century England, through to the transformation of Palladianism into a national style by the mid-18th century. It also explores the role of books in spreading Palladio's ideas – both his own Four Books of Architecture and later publications that spread Palladian style beyond Britain.

The second part of the exhibition follows Palladio's legacy worldwide in a series of themes that explore how others have either followed his guidelines to the letter or employed them more creatively. It looks at how Palladian design has been adopted for commercial viability and in the service of politics and religion – both in western countries and in colonial and post-colonial contexts. Away from the centres of power, people turned their hand to Palladian self-builds with anonymous builders using pattern books to fuse Palladian elements with local vernacular traditions.

The last section of the exhibition follows the story of 20th and 21st century Palladianism. Despite the rise of modernism, Palladianism survived in Britain and America as a domestic style both for landed families and the newly rich who commissioned grand classical homes to evoke a sense of history and confer status. Highlights include a linocut perspective of Kings Walden Bury, Essex by Raymond Erith and Quinlan Terry (1971) and photographs and models of houses built since the 1960s.

The exhibition goes on to explore post-modern Palladianism, where the style has been referenced historically, playfully or ironically. Key exhibits include works by Swedish architect Erik Asplund and Belgian architect Charles Vandenhove alongside other new buildings on the continent and in Canada.

The exhibition ends by examining

contemporary abstract Palladianism – buildings that contain no visual references to classical architecture but follow Palladian design principles in terms of proportion or planning. It asks whether a building has to look like a Palladian building in order to be one? It will include a newly commissioned film comparing Palladio's Villa Caldogno with Brick House (2005) by Caruso St John and looks at a selection of contemporary buildings, ranging from a model of an underground house in Mongolia by OFFICE Architects to offices in Switzerland by Peter Märkli.

The exhibition coincides with the 300th anniversary of the publication of two books key to the spread of Palladianism worldwide – Giacomo Leoni's first full translation into English of Palladio's *I Quattro Libri dell' Architettura* and Colen Campbell's survey of English architecture *Vitruvius Britannicus*, both published in 1715. These books paved the way for a flood of cheaper pattern books that enabled anyone, from Russian royalty to a American carpenters, to create Palladian designs.

The RIBA Collections contain over 350 drawings and sketches by Andrea Palladio; the world's largest assemblage of his drawings – 85 per cent of all those in existence.

The exhibition is designed by architects Caruso St John. The design takes its inspiration from the interior of Palladio's villas and the way that his Four Books of Architecture have been used by generations of architects. The palette will reference Villa Caldogno's frescos.

Palladian Design is generously supported by the Blavatnik Family Foundation, The Headley Trust and the American Friends of the British Architectural Library.

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PROJECT

New £27.5 million building underway

One of the UK's top construction companies is now on-site at the University of Huddersfield, beginning work on a £27.5 million addition to the campus that is destined to be one of the most striking structures in the region.

The firm, Morgan Sindall, has landed the contract to construct a new six-storey home for the University's School of

Law and part of the School of Music, Humanities and Media. It will be adjacent to the Creative Arts Building and the most recent addition to the campus, named Student Central.

Overlooking the town's Shorehead roundabout, one of the most important road arteries in Huddersfield, the new Law and Humanities building was designed by the Huddersfield-based architectural firm AHR and has already been hailed as iconic.

The building will be completed and ready for use by the start of 2017.

His Royal Highness The Duke of York – who is now Chancellor of the University – laid the foundation stone for the new building when he paid a visit in March.

Morgan Sindall – which is assessed to be one of Britain's top ten building contractors – has previously carried out specialist refurbishment projects at the University of Huddersfield, and in addition to its work on the new Law and Humanities building it has also been awarded a new contract to carry out a major new development at the University's Institute of Railway Research.

The architects AHR also have an established relationship with the University, having designed the Harold Wilson Building and refurbishments of the West Building and the historic Ramsden Building.





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DOKKI – SCANDINAVIA
SCHMIDT HAMMER LASSEN

Dokki I is designed as a polygonal slice that hovers above a glazed building resting on a podium with large sculptural stairs. The stairs fan out to street level and the new harbour promenade surrounding the building. The glass building is designed as an open urban space with 360-degree views of the water, harbour, forest and city. The building has no clear front or back, which is emphasised by the multi-edged top slice that creates the impression of rotation and movement. The facade is made of expanded metal, the scale of the city and harbour is reflected in the design, which twists, breaks and turns.

Ref: 43582



MESSNER MOUNTAIN MUSEUM CORONES, ITALY
ZAHA HADID ARCHITECTS

Embedded within the summit of Mount Kronplatz, 2,275m above sea level at the centre South Tyrol's most popular ski resort, the Messner Mountain Museum Corones is surrounded by the alpine peaks of the Zillertal, Ortler and Dolomites. Established by renowned climber Reinhold Messner, the sixth and final Messner Mountain Museum explores the traditions, history and discipline of mountaineering. Zaha Hadid explains the concept of the design: "The idea is that visitors can descend within the mountain to explore its caverns and grottos, before emerging through the mountain wall on the other side".

Ref: 25706

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SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN, SINGAPORE
UNSTUDIO AND DP ARCHITECTS

Designed by UNStudio and DP Architects, the academic campus for the Singapore University of Technology and Design reflects an in-depth understanding of the changing requirements of learning institutions today. Connectivity, collaboration, co-creation, innovation and sociality are at the basis of UNStudio's design thinking on New Campuses. UNStudio proposed a flexible space for exhibitions, events and interaction at the central node: this Campus Centre forms the intellectual heart of the campus and directly links the main programmatic anchors of the Auditorium, the International Design Centre and the University Library.

Ref: 72122



LALELI MISA HOTEL – TURKEY
ÖZER+TULGAN ARCHITECTS

Located in Laleli, Istanbul, in the heart of the historical peninsula, the Misa Hotel consists of 30 non-typical rooms, a rooftop restaurant & bar and a lobby floor with a reading area. Due to the building's historical nature and the wear of the years the whole structure had to be reinforced which resulted in a building with extra large columns and low ceilings. To overcome the design challenges it was very important for the architects to come up with an innovative way of solving this problem of space. The architects decided to take a design approach similar to yacht design.

Ref: 67500



STAROMESTSKÁ OFFICE, SLOVAKIA
BOGLE ARCHITECTS

This 10,200 m² commercial office scheme creates valuable external spaces with spectacular views out over the historic town centre and was won through an invited competition in September 2012. The building's facade is set back at ground level to enhance the public realm and is comprised of a panelled system to correspond with the internal office planning grid, with vertical fins acting as shading elements. This responds to the solid articulation of the adjacent Supreme Court building. The proposal takes the form of an urban infill which completes the missing corner of a city block.

Ref: 36525



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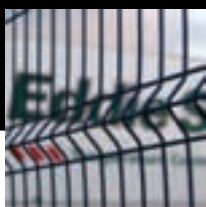


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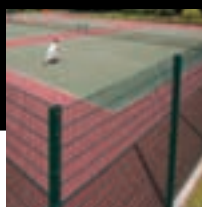
General Purpose



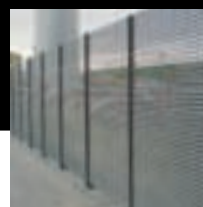
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LOW CARBON GRP DAYLIGHT SOLUTIONS CPD



Hambleside Danelaw is pleased to announce the latest CPD seminar, *Low Carbon GRP Daylight Solutions for the Metal Building Envelope*. The RIBA approved seminar delivers an understanding of how rooflight configuration choices can impact on the overall contribution rooflights can make to the metal building envelope with particular focus on: Light transmission; Thermal Performance and insulation values; Embodied Carbon; Non-Fragility.

023 9235 4900
cpd.seminars@hambleside-danelaw.co.uk

enq. 107

SOLID SURFACES CPD SEMINAR



CD (UK) Ltd, the exclusive UK distributors of Corian® – Seminar structured as follows: Development of Solid Surface from 1960's to present day; Raw materials, adhesives and composition; Solid Surface characteristics and benefits; Manufacture: Sheet, Matrix sheet and shape product; Comparison of characteristics; From production to fabrication process; Properties of Solid Surface; Architectural and Design possibilities; Current applications; Environmental considerations; Support, warranty and service infrastructure.

0113 201 2240
www.cdukltd.co.uk

enq. 110

SELECTING EFFECTIVE AND SECURE FLAT ROOF SYSTEMS



Sika Sarnafil is pleased to announce the new RIBA approved CPD for Sika Sarnafil entitled *Selecting Effective and Secure Flat Roof Systems*. This CPD introduces the key components for a successful and effective roof system, covering design, materials and workmanship. An outline of additional areas included is below:

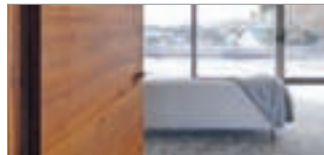
- typical application areas
- key factors in roof design and product selection
- key standards and guidelines
- sustainability
- typical challenges
- quality assurance
- history and group information

For over 50 years Sika Sarnafil has provided high quality single ply roofing solutions, backed by decades of expertise and market leading guarantees. Sika Sarnafil's exemplary commitment to training is widely recognised in the roofing industry, and this commitment extends to the Continual Professional Development of construction professionals. The company's range of RIBA accredited CPD seminars support specifiers, contractors and clients' understanding of the issues surrounding the specification of single ply roofing. If you are looking for assistance for selecting an effective and secure flat roof system and require further information on this seminar please contact Sika Sarnafil.

01707 394444
sarnafilroofing@uk.sika.com

enq. 111

URBAN FRONT NEW WORKSHOP TOUR 2015



The Workshop Tour from Urban Front will run for just over an hour and incorporate the following Learning Outcomes:

A good understanding of how a contemporary hardwood door is manufactured; a better understanding of the types of hardwood and their benefits; a good ability to interpret CADs used for manufacture; a better ability to specify doors correctly; an understanding of the various issues related to making doors. The company also runs regular CPD's on specifying Hardwood Timber doorsets.

01494 778787
www.urbanfront.co.uk

enq. 108

ELIMINATION OF CONDENSATION IN ROOFS



Klober's updated CPD presentation *Elimination of condensation in roofs* certified by the Construction CPD Certification Service, examines how to provide 'breathing roofs' to prevent formation of condensation in the roofspace. It covers use of vapour permeable and air-open underlays in cold and warm roof specifications with specific reference to the requirements of BS 5250 – Code of Practice for control of condensation in buildings.

01332 813050
www.klober.co.uk

enq. 112

GREENING THE GREY



Scotscape is pleased to announce its CPD *Greening the Grey*, which aims to assist both specifiers and architects when designing and selecting living wall systems. It covers the benefits of living wall systems, good design, installation and maintenance, and the specialist irrigation required to achieve a successful living wall. Scotscape has developed a Fabric Living Wall System with integrated insulation, allowing specifiers to quantify the thermal benefits and energy efficiencies that this system brings.

020 8254 5000
annar@scotscape.net

enq. 109

CELLECTA CPD SEMINAR



Cellecta has announced that it has strengthened its RIBA CPD Providers Network offering through the addition of a face-to-face Soundproofing CPD to partner the online CPD currently available. Cellecta's RIBA Assessed CPD Material is a must for architectural and specification practices. CPD attendees will enhance their knowledge of the soundproofing demands of different floor constructions including, timber, steel and concrete and the products and solutions available to help overcome them.

0845 671 7174
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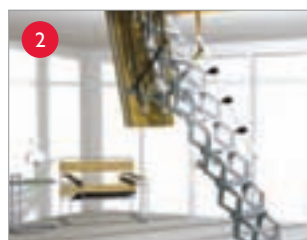
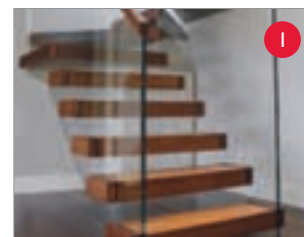
enq. 113

editor's focus

1. FLIGHT DESIGN

Based in the heart of East London, Flight Design manufactures and installs stunning bespoke staircases to residential properties all over London and the surrounding counties. A strong emphasis on outstanding design and attention to detail, coupled with the use of high quality materials ensures a striking addition to your project. The company offers a complete package including concept drawings, site visits, and design consultations, as well as full installation. You can also visit Flight Design at its offices and workshop to see your staircase being manufactured in-house. For more information on the company and its products, please contact Flight Design.

enq. 114



2. PREMIER LOFT LADDERS

The Supreme stairway with a wooden hatchbox, insulated trapdoor and electrical operation are bespoke units made to suit the Customer's specifications, though minimum opening hatch opening lengths and widths apply which are subject to the floor to ceiling height. The Supreme is supplied as a ready to fit unit, comprising of a concertina stairway manufactured from high strength die-cast aluminium alloy components contained within, and attached to, a laminated wood hatchbox and insulated trapdoor. The trapdoor has a white finish to the underside. The stairway is operated by a 24 volt low noise motor. For further details and a full quotation, please contact Premier Loft Ladders.

enq. 115

3. HAMBLESIDE DANELAW

Dryseal was chosen to cover 270 m² of flat roof area of Otley Golf Club near Leeds. Approved contractor Croft Roofing has been fitting Dryseal since 1995 and owner Tim Croft was asked to recommend a solution to roofing problems at Otley Golf Club. As the roof covers the Entrance area, Lounge and Kitchen, the workforce was incredibly careful in carrying out their work. This included adding insulation, improving drainage and installing the Dryseal system while causing the minimum of disruption to the Club. Club Secretary, Peter Clarke said the Dryseal had "excellent results". Please contact Hambleside Danelaw for more information.

enq. 116



4. STORMSAVER

To get rainwater harvesting right, firstly it is important to understand that no building is the same and therefore each system will need specifying to suit the site needs. Stormsaver provide bespoke controls, high quality products and tanks to suit your spaces. Stormsaver systems comply with BS8515:2011 and are all ECA registered giving you further savings. The company truly believes that rainwater harvesting has an important place in sustainable construction and that by saving water, Stormsaver can save its client's money and preserve our delicate environment. For more information on the company, please contact Stormsaver.

enq. 117

5. GUTTER MATE LTD

Since inventing the award winning GutterMate Diverter and Filter, rainwater recycling expert and director of GutterMate, Haydon Robinson, has become an invaluable resource to architects across the country. For GutterMate, every rainwater harvesting system should start with the GutterMate Diverter and Filter, which applies the first phase of filtration to rainwater diverted from the drainpipe, whilst also acting as a major asset in protecting soakaways in all properties. As a qualified engineer, Haydon offers bespoke advice on purchasing the most cost-effective and efficient rainwater harvesting system for domestic and commercial properties.

enq. 118



6. ABSOLUTE GLAZING

Architectural glazing specialists Absolute Glazing is now offering fire rated walk on glass floors alongside its existing product range. These walk on glass floors are fire rated for up to 60 minutes and suitable for any internal application.

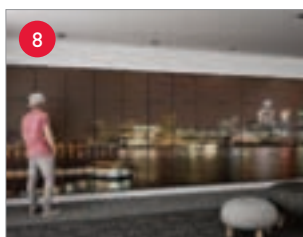
As offered on the company's entire walk on glazing range, the fire rated walk on glass floors are also available with an anti-slip surface or sandblasted finish. Visit Absolute Glazing's website to get an instant quotation or contact the team to discuss your requirements.

enq. 119

7. HEALD

For more than a quarter of a century, Heald have been providing some of the world's most high profile sites with advanced protection against hostile vehicle attacks. The company is a world class innovator in the field of perimeter security technology and the largest manufacturer of quality security equipment in the UK. Its bollards, roadblockers and barriers play a leading role in the defence of vulnerable properties from terrorists, criminals and vandals. Clients include military sites, presidential buildings, palaces, embassies, border controls, airports, oil refineries, stadia, banks, shopping centres, government buildings and many more. Visit Heald's website for more information.

enq. 120



8. EUROWORKSPACE

When people think of lockers, they often don't think past the old grey boxes that we would generally associate with a changing room. Something that would be classed as a "necessary evil". These tin boxes normally be concealed somewhere out of the way, as they certainly represent an example of function over form. Euroworkspace has successfully delivered installations that followed previously introduced themes as well as adding a little theatre into areas that do not normally demand it. Making locker systems an interesting and thought provoking experience. If you have a project where a locker system needs to be more than just a functionless tin box – talk to Euroworkspace – they've certainly got designs on your lockers.

enq. 121

9. SLIMLITE

Low Emissivity Double Glazed Units have been the subject of many complaints concerning the coloured effect on a Listed Building when viewed from a distance and does not match the reflection from clear glass and therefore a change which is unacceptable.

To overcome this problem Slimlite have introduced Slimlite ULTRA CLEAR SELF CLEANING Double Glazed Units with Low E glass with a Light Transmission of 85 per cent where the Low E is undetectable and providing the same insulation factor. Samples on request.

enq. 122



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enq. 123

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enq. 124

Ancon is honoured by HM The Queen



Ancon has again been honoured at a Royal Reception following the company's second Queen's Award for Enterprise. The reception was hosted by Her Majesty The Queen and The Duke of Edinburgh. Other members of the Royal Family in attendance included, The Duke of York, Princess Eugenie of York and The

Princess Royal, underlining the importance attached to these prestigious industry awards. Ancon's success in the 2015 Awards comes in recognition of its International Trade and acknowledges the company's outstanding achievements in growing sales across new and existing export markets.

0114 2755224 www.ancon.co.uk

enq.125

Stewart Towe crowned Ambassador of the Year



Stewart Towe CBE, MD of Hadley Group, was awarded the coveted title of Ambassador of the Year at the West Midlands Business Masters Awards at Edgbaston Stadium in Birmingham. The awards run by TheBusinessDesk.com seek to recognise excellence, entrepreneurship, growth and enterprise amongst the region's businesses. At the award ceremony, Andy Coyne TheBusinessDesk.com editor said: "Under Stewart Towe's leadership Hadley Industries, a steel products manufacturer, has gone from strength to strength with turnover now in the hundreds of millions and massive success in the export markets through overseas manufacturing facilities".

0121 555 1300 www.hadleygroup.com

enq.127

New industry specialist joins Gerflor



With twenty six years experience as a specialist in flooring for the industry sector, Alan Thurston was the ideal candidate for Gerflor's UK-wide Industry Specialist role. In combining his expertise and in-depth market knowledge with the global vinyl flooring manufacturer's portfolio of World-class flooring solutions, Alan will be responsible for national

sales and business development in the UK's industry sector, with emphasis on pharmaceutical and heavy industry. He will be assisting the community with its specification needs across wide ranging projects. Gerflor specialises in product innovations for contract, sport, transport, residential and housing markets.

01926 622600 www.gerflor.co.uk

enq.126

Schueco UK is investors in people champion



A leading facade, window and door specialist, Schueco UK Ltd, has gained Investors in People (IiP) Champion status just six

months after achieving IiP Gold Accreditation. Schueco UK is the only company in its sector to have notched up this remarkable double in the South of England region, which marks it out as a market-leader in terms of managing people and related HR issues. During its assessment, the company recorded an overall audit score that put it in the Top 3 of IiP-recognised companies. As an IiP Champion, Schueco UK will be acting as a mentor to other companies, providing best practice advice and promoting the values and principles of the IiP community.

01908 282111 www.schueco.co.uk

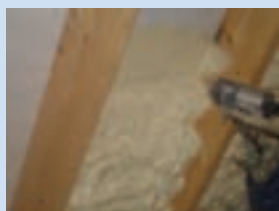
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enq.129

Greggs relies on Stertil dock products



Stertil Dock Products has installed a series of loading dock houses for Greggs plc to ensure safe and efficient distribution from the Group's bakery in Birmingham. Greggs Birmingham Bakery recently approached Stertil Dock Products to evaluate its distribution operations following the purchase of a new fleet of delivery vehicles. In particular, the bakery's management was looking to not only streamline loading and unloading activities but also overcome the problem of lorries being damaged by the existing loading dock equipment. Following a detailed evaluation, Stertil Dock Products proposed replacement of the existing outdated installation with a series of 12 dock houses.

0870 770 0471 www.stertil.co.uk

enq.130

Are you working on any interesting projects?



Messner Mountain Museum Corones, Italy – See page 16

We are continually looking to source unique, newsworthy content for both the Architects Datafile magazine and website

If you have any projects that you feel would be applicable then please send them to architecture@netmagmedia.eu

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SE Controls keeps shoppers safe at new Matlosana Mall in South Africa

The smoke ventilation system at Matlosana Mall, shopping and entertainment centre in Kerkdorp, South Africa is using SE Controls' window automation and control panel solutions to ensure it operates perfectly in the event of a fire, allowing smoke-free escape routes to be maintained for shoppers and staff.

Designed by Stauch Vorster Architects, the 1 billion Rand development incorporates more than 140 stores and restaurants, as well as a six-screen cinema within the 65,000 sq m retail and entertainment complex, which also provides employment to around 3,000 people.

Due to the large areas within the mall and the high volumes of people, effective smoke ventilation is essential to ensure escape routes are kept clear. As a result, SE Controls' SECO N 24 25 chain actuators are used throughout the retail complex to automatically control windows and Curvent ventilators, which are linked to a series of SE

Controls' OS2 Type 21 and 23 controls panels.

In the event of a fire, the mall's smoke sensors trigger SE Controls' EN12101-2:2003 compliant control panels and chain actuators to automatically open the window and ventilators, allowing smoke to be vented to assist escape. Manual Controls Point (MCP) switches are also incorporated within the design to allow manual actuation of the system.

Russell Cramb, general manager with SE Controls Africa, explained: "Fire safety and smoke control is essential in major retail, leisure and entertainment developments, such as the outstanding Matlosana Mall. By working closely with architects and specialist contractors such as Curvent International, we can help create highly effective solutions that are tailored around the needs of specific building designs."

01543 443060 www.secontrols.com

enq.131



Senior adds strength to its specification team



As part of the company's ongoing commitment to meeting and exceeding the needs of its clients, a leading fenestration designer and manufacturer, **Senior Architectural Systems**, has invested heavily in a new specification team and technical services department. Andrew Cooper has been appointed

to the newly created role of National Specification Manager and will head up Senior's new specification division with support from a team of architectural advisors operating on a regional level. The expansion of the specification team will provide support to architects, local authorities, specifying bodies and contractors, both regionally and nationally, and will also see Senior establish its first dedicated specification sales presence in central London.

enq.132

Timber cladding used for new care home



A.Proctor Group's Canjaere Classic in golden colour, has been installed on the new Dunmuir Park assisted living care home in Castle Douglas, a new build project designed by John Walker of Dumfries & Galloway Housing Partnership for Dumfries & Galloway Council. Canjaere has been in the timber industry as a manufacturer since 1950, and has been manufacturing treated timber cladding since the 1960's. Their sophisticated oil treatment protects the timber by inhibiting moisture pick-up. The Canjaere Classic range combines the beauty of natural wood with preserved, pre-finished characteristics. Canjaere Classic comes with a standard 30 year warranty against rot and decay.

01250 872261 www.proctorgroup.com

enq.247

Optimising independent living in social housing



A new social housing project will meet residents' needs now and in the future through forward-thinking specification. Each of Leazes Homes' nine bungalows on its development at Roeburn Way, Newcastle has been purpose-designed specifically to enable people with physical disabilities to live as independently as possible.

Each features a raft of assistive fixtures and fittings, including a fully-accessible wetroom in place of bathrooms – each of which is equipped with a **Clos-o-Mat** Palma Vita automatic shower wash and dry toilet. The toilet looks like, and can be used as, a conventional WC, but with its integral douching and drying means the user can toilet without manually cleaning, or being wiped clean, afterwards.

0161 969 1199 www.clos-o-mat.com

enq.133

Architects Datafile website



The Architects Datafile (ADF) website is an online provider of past and present products and news items for the architect or specifier. architectsdatafile.co.uk is a one-stop source for all the latest press releases providing any visitor with access to information about products and services that they may require. From the website, you can find links to digital issues that have live links to advertisers' sites, as well as daily email alerts to keep you as informed as possible.

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A whole new village just for the retired

On the outskirts of Witney, architects PRC are helping Richmond Care Villages create a whole new village – just for the retired, as Steve Menary reports

Getting old is hard to avoid and retirement is inevitable. The alternatives are not so appealing but retirement housing has often followed a fairly routine format and design. Richmond Care Villages (RCV) are looking to change that as the group expands its portfolio of care villages to eight with the help of architects PRC.

“Our aspirations were for a quality development, we are trying to achieve a community,” says RCV Head of Development Albert Josephs. “For the design, it’s a conscious

decision to stay away from anything institutional. We could cheapen the product by reducing the detail but we will never go down that route.”

Gary Symes, the project architect with PRC, describes the design as akin to “domestic meets country club.”

Contractor BAM Construct started work on site in the summer of 2014 and the entire development must be complete by April 2016 – a decade after PRC first became involved with the project.

Continued overleaf..

project bytes

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and enter the reference
number for more information

Albion Ventures
invests £16 million
in new residential
care homes...
Ref: 54468

Curtain rises on
Grand Theatre
refurbishment...
Ref: 27338



'For the design, it's a conscious decision to stay away from anything institutional'

RCV Head of Development Albert Josephs

© Steve Menary

The scheme is being built on a four hectare site at Thorney Leys outside Witney. The plot was formerly a mix of brown-field land, including a number of storage sheds, and greenfield land. When RHC recruited PRC as architect back in 2006 to gain outline permission, that greenfield element could have made securing planning permission difficult.

However, proposals for an office development had previously been secured for the site, but never utilised. And, while the new scheme might appear residential, the care village will also create around 150 full and part-time jobs.



© Steve Menary

As the site had been identified for employment and commercial use, there was little opposition and PRC went on to secured detailed permission in 2008. "That was quite a notable year," explains Mr Symes wryly. "It had the direct effect that things came to a standstill."

As the economy came out of the worst recession in generations, RCV revived plans for the scheme. "Difficult market conditions have come up but we have tried to retain the quality," adds Mr Josephs.

PRC went back to West Oxfordshire District Council to gain a second detailed permission that included some changes for the village, which will have 240 residents spread across three clusters. These clusters were partly dictated by the presence of a residential development across Deer Park Road, which runs past the site.

Mr Symes explains: "There had to be an open view from the exit of the existing residential site across the road, so we had two clusters but the whole ethos had to be modelled around a village centre. The local authority also wanted the tallest element to be overlooking the roundabout [of Curbridge Road and Deer park Road] as a feature building."

That feature building is C2 in the northern cluster, which comprises individual one or two-bedroom apartments, which are all self-contained with fully fitted kitchens and wet-rooms.

Continued on page 28...

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There are a total of four blocks in this cluster. Blocks A and B feature six flats apiece, while C1 has nine flats and there are a dozen in C2. These units will have a nurse on call at all times and are designed to meet the Disabled Discrimination Act, but are expected to attract able-bodied residents.

Work on the northern cluster is due for completion in late autumn 2015, but has only just started on the southern cluster, which is a mixture of two and three-storey buildings in five blocks. Block D features just two units, but Block E has 22. In Block F there will be four units and seven in Block G, while Block H will feature 14 flats. All will be one and two-bed units and very similar to the northern section.

The main focus of the development is the Village Care Centre (VCC), which will be aimed at different residents. Units will include en-suite bedrooms for dependants and cater for around 150 people, who will mostly have more needs than those in the northern and southern clusters. This three-storey building with a basement will include a swimming pool, communal dining areas, a hairdressers, gym

and bowling green.

The VCC was one area of the design that grew between PRC securing the first and second detailed approvals with the inclusion of a wellness centre in the basement of the main building in the subsequent iteration.

Mr Symes explains: “The parameters like heights were set in the outline but we introduced greater use of roof space. In the second consent, we also introduced a couple of additional features which helped make better use of the site like more apartments around the common core.

“Each of the two groups [of apartments] are clustered around this central space. There is now more walk-up units at ground level, which creates more of a street scene. We have capitalised on that wherever possible.

“There are also as many south-facing units at ground level as possible so that people can have a patio. It also keeps it discrete. We don’t want anyone to feel overlooked or pressurised, so that people have their own sense of space.

“One advantage we have with that is the existing vegetation,



'We have a semi-rural environment here. Once we get across the A40, it is rural and we were paying homage to that'

Gary Symes, project architect with PRC

which has grown since 2006 and is a real benefit. The site is quite well screened and only a few roofs will emerge. We have also maintained pedestrian access across the site in a more formal fashion, rather than just meandering across the site."

At the front of the site is the Deer Park Road, the site is screened by healthy hedgerows, which have benefitted from the decade long-gap between submission of an outline permission and work getting underway. To the rear of the site, there are farmers' fields that are visible to the residents.

Mr Josephs adds: "The elevational treatments are quite important to us too as that is the first thing that you see when you enter the site. The quality and design of that space is important. We spend a fortune on landscaping."

The development itself has been christened Coral Springs because there is an actual spring at the centre of the site. On completion, this will form a feature element.

At the bottom of the site, there will be a wildlife area with rainwater attenuation to store surface water run-off.

For the actual materials, West Oxfordshire District Council insisted that the design was in keeping with the local vernacular.

Mr Symes continues: "The council had their own design guide according to locality and depending on the indigenous construction. They said this is your palette that you need to come within."

"We went for a traditional-looking scheme with some contemporary overtones. We have some steeply pitched roofs, stone, render and some brick. There are also some elements of weatherboard to respect we have a semi-rural environment here. Once we get across the A40, it is rural and we were paying homage to that."

"Diminishing courses of stone slate is the traditional way but we are using more modern materials to reflect the heritage of the area. There are a couple of different design features that make it different; there's uniqueness about the gables, for example."

On the roofs, the council wanted the development to

Continued overleaf...



include natural stone and natural slate, but negotiations between the two sides managed to produce a sensible – and more cost-effective – compromise.

The materials that have been specified include a traditional Bekstone, while the elevations will feature render. “There is a mixture of three external facings,” says BAM Construct Project Manager Mick Lymn. All the roofs are slate and we have a lot of cast feature stone on all the lintels, sills and the quoins.”

All of the windows and doors are timber, while internally BAM Construct is using Polytherm blocks sourced from Spain. “This is the first time that BAM Construct as a company has used this product as far as I know,” adds Mr Lymn.

RCV has five existing care villages and Coral Springs is one of three more in the pipeline. For this project, RHC went out to tender and BAM Construct triumphed ahead of bids from Bouygues, Brookfield Multiplex and GB Building Solutions.

Since the award, work has gone to plan so well in Witney that RHC has eschewed the competitive tender route for the next retirement village project in Evesham. Instead, RCV has opted to negotiate a construction contract with BAM Construct.

This scheme, like the rest of the RCV pipeline will again be designed by PRC as the pair continue to combine to create a new, more luxurious option to retirement living.

Project details

Project: Coral Springs Retirement Village

Location: Witney, Oxfordshire

Value: £30 million

Client: Richmond Care Homes

Architect: PRC

Project manager: FED3

Structural engineer: HCD

Mechanical & electrical consultant: HCM&E

Interior Designer: Whichelow

Landscape architect: Portus & Whitton

Main contractor: BAM Nuttall

Schöck and Hollowcore innovation benefits Stoke Extra Care scheme

APFI Extra Care complex near Stoke-on-Trent, is another project benefitting from the use of innovative off-site manufacturing. It combines Isokorb structural thermal break units from Schöck with the Hollowcore system. Holdcroft Fields at Abbey Hulton, provides 175 self-contained one and two bedroomed apartments, with extensive communal facilities, for people over 55. Designed to meet BREEAM Excellent standards, there are two linked three-storey blocks and many of the apartments feature spacious balconies; so the prevention of thermal bridging is a critical consideration.

Quite apart from heat loss, condensation can lead to structural integrity problems and may even encourage mould growth, which has serious medical implications. One of the most effective countermeasures on the market is the Schöck Isokorb structural thermal break. It dramatically reduces thermal energy loss in connective areas and



enables inner surface area temperatures to remain well in excess of those likely to cause condensation.

It is the Isokorb type KS14, for concrete-to-steel connectivity, that is being installed in conjunction with the Hollowcore floor system. The precasters breaking out selected cores and cast reinforcement bars in their works. The thermal breaks are then fixed to a template, which match the broken out Hollowcore, complete modules are supplied to

site, dropped into position and the broken out Hollowcore filled with in-situ concrete.

The Hollowcore has full length voids, with a huge weight saving over floor slabs of equal thickness or strength. So there are efficiencies in transportation and material costs – and with slab sizes typically 1.2m wide by 7.5m long, they are faster to install and provide an immediate working platform for following trades.

The Isokorb type KS14 has verifiable performance values, providing BBA Certification and LABC Registration, as well as comfortably exceeding the requirements of BRE IP1/06 and Part L of the Building Regulations. The temperature factor used to indicate condensation risk (fRSI), must be greater than, or equal to, 0.75 for residential buildings and this is comfortably met by incorporating the Isokorb.

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enq.136

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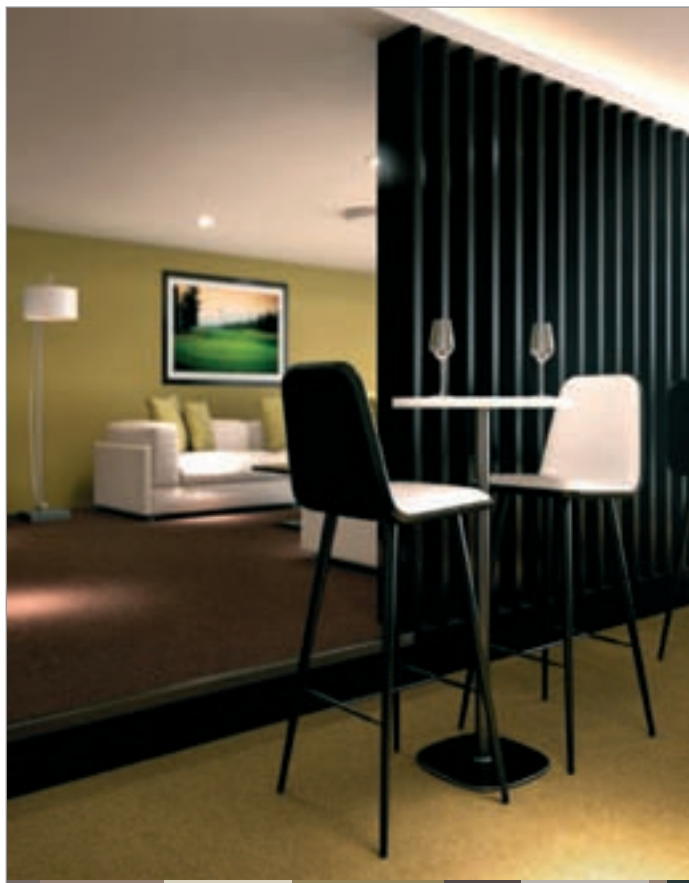
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Com-plete bathroom care delivers satisfaction



Automatic 'wash and dry' toilets are now regarded as the only "proper" hygiene solution by residents at a nursing home. Glenashling Nursing Home in Celbridge, Co Kildare initially installed two of the Clos-o-Mat toilets – one fixed height Palma Vita and one height adjustable Lima Lift, in a new extension. Reaction from residents and staff to the units, that automatically wash and dry the user after toileting, has been so positive that owner Garry Gavigan has now had a further 3 x Palma Vita toilets, each with an accompanying Aerolet toilet lift, installed in communal bathrooms as part of an upgrade programme. The Aerolet toilet lift can be fitted over a standard WC or Clos-o-Mat.

0161 969 1199 www.clos-o-mat.com

enq.139

Floors attain International certification



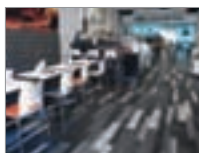
Global resin flooring manufacturer **Flowcrete Group Ltd** has secured International HACCP Certification for its Flowfresh range of antimicrobial enhanced polyurethane floors. HACCP International certification is a globally recognised benchmark of food

safety, and as such is an important set of criteria for businesses eager to gain access to lucrative export markets. Flowcrete Group's Technical Director, Grant Adamson, said: "Our polyurethane range has been able to achieve the HACCP International certification thanks to its ability to deliver a long list of strict food industry flooring requirements."

01270 753 000 www.flowcrete.co.uk

enq.140

Expona flooring helps tattoo studio stand out



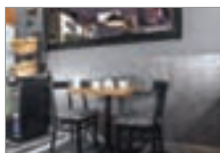
A bold and dramatic flooring design from **Polyflor's** Expona Commercial range of luxury vinyl tiles was chosen for the refurbishment of Vida Loca Tattoo studio in Bolton, Greater Manchester recently. The owners chose the Dark Recycled Wood design from Expona Commercial PUR range to fit in with the

studio's contemporary style. To give the look of a random patchwork of upcycled timber, the design includes tiles in three different widths and in various complementary shades creating the effect of a reclaimed wood floor, a look that is becoming increasingly popular. The Expona Commercial luxury vinyl tile collection features 55 eye catching wood, stone and effects design options.

0161 767 1111 www.polyflor.com

enq.141

Yeoman Shield add sparkle to wall protection



When a local coffee shop, owned by mother and daughter team Tracy and Rebecca, found that their newly decorated walls were quickly showing signs of damage they turned to **Yeoman Shield** Wall & Door protection for help. The Coffee Block at Drighlington, Leeds found that the wall between

the kitchen area and the front of house was quickly looking grubby, worn and damaged. Yeoman Shield (whose staff use the coffee shop regularly) when hearing about this problem suggested installing Yeoman Shield HessianEx wall protection panels in a Silver finish. The durable wall protection panels were installed to a metre high, by Yeoman Shield's directly employed fixing operatives.

0113 279 5854 www.yeomanshield.com

enq.142



The RIBA Shanghai Windows project saw nine UK architects transform store fronts in the landmark Xintiandi shopping district in Shanghai. Stephen Cousins reports

An ethereal artificial waterfall comprising 30,000 metres of translucent cord; an alien-inspired formation of shiny crystalline metal; a multi-coloured vinyl drum you can get lost inside; and a wall of faceted blocks that grin at you like characters from a corny cartoon.

It might sound like the stuff of dreams, or hallucinogenic visions, but this is RIBA Shanghai Windows 2015, a major public architecture exhibition, held over two months this Spring, that saw nine chartered UK architects take over retail windows in Shanghai's most famous shopping plaza, Shanghai Xintiandi.

Organised by RIBA London, Shanghai Xintiandi and the Culture and Education Section of the British Consulate-General, and now in its third year, the project coincided with Shanghai Fashion Week, giving UK architects the opportunity to revamp the stores of local fashion brands and demonstrate their skills to a design-savvy Chinese audience.

Given that China's rapidly growing middle class is set to propel significant retail expansion over the next 10 years, according to a report by investment firm CBRE, practices had a rare opportunity to showcase their talents to a national audience through coverage in Chinese press and media.

Continued overleaf..

'We chose to treat the fountain square as a room, and the installation as a surreal piece of furniture or dressing inside it'

Christopher Taylor,
partner at CTHM



© Liam Clarke

Fountain Flow

- **Architects:** Atelier I-N-D-J and CTHM
- **Structure:** Burohappold Engineering
- **Client:** Gourmet Pyramid Group and Fountain Restaurant

The clients' brief to re-invigorate a tired-looking restaurant facade, as well as create a strong counter focal point to a major fountain in the courtyard below, posed a challenge on the minimal £5,000 budget.

The resulting installation is surprisingly extravagant, a cascade of thousands of strands of translucent cord – 30,000 metres in total – that spills out from the restaurant's upper story towards the fountain, refracting and reflecting a mixture of natural and artificial light to create a dream-like, shimmering impression across the facade.

Christopher Taylor, partner at CTHM told ADF: "The challenge of creating something powerful that could comfortably hold its own within a space dominated by other restaurants and the fountain itself was hugely difficult. To create a more human scale, and a dream-like atmosphere, we chose to treat the fountain square as a room, and the

installation as a surreal piece of furniture or dressing inside it."

The project provided the UK consultants with a valuable insight into Chinese contracting methods. The entire installation had to be carried out over just two days in the early hours of the morning, when the square was closed to pedestrians. The UK team carefully calculated and illustrated the precise process of installation to the local contractor, Talent Construction, via a simple methodology statement and a clear health and safety risk assessment.

However, the cost implications of using a cherry picker and the unforeseen arrival of a tropical storm, meant the contractor decided to adopt a more traditional, risqué method of installation, utilising bamboo scaffolding and head torches. "The cost of labour in China is so much cheaper than hiring machinery, so around a dozen men were able to erect the installation in one night for half the price of a cherry picker," said Taylor.

Fountain Flow remains in place at the courtyard and is something of a haven for photographers and the Chinese public, who are impressed by its sheer size and the way it reflects and refracts light throughout the day.



'The way people work in China is more based on improvisation and the understanding of the moment'

Francesco Draisci,
founder of Draisci Studio

Pret A Portrait

- Architects: Draisci Studio
- Client: Bacodes

'Eye-catching' is the appropriate term to describe this vividly coloured wall of cascading faceted blocks, some of which are designed to resemble grinning faces complete with cut out smiles, and glasses sold by the fashion brand Bacodes.

The title plays with the idea that framing the eyes with glasses transforms every face into a portrait, while the bold orange and yellow blocks aim to inspire a sense of joy, happiness and surprise in shoppers.

Francesco Draisci, founder of Draisci Studio, told ADF: "We wanted to create a physical representation of the brand, whose logo is a hexagon, and at same time reference the enormous potential of Chinese production by multiplying one item many times over, in a modular system."

The blocks are folded, flat packed, laminated cardboard sheets, assembled one of top of the other to create the new temporary facade. Draisci Studio was designing in London and the project was being delivered in Shanghai, so focusing on one repeatable element helped remove complications during design and assembly.

Nevertheless, not everyone was smiling when it came to assembling the wall, said Draisci: "We had just two days to erect the system. Almost three quarters of wall went up on the first day, but the next morning we were dismayed to find that everything had collapsed. The modules had been stuck using a very low tack system. On the second day I took a more hands on approach, checking every single module myself to ensure the installation would stay up for the full two months of the project."

He added: "Unlike in the UK where we describe absolutely everything upfront for the contractor to take onboard, the way people work in China is more based on improvisation and the understanding of the moment. It's a way of doing things I've seen in other parts of the world, which though sometimes frustrating, can sometimes lead to very positive and surprising design results."

The Chinese response to Pret A Portrait was huge, it received a great deal of press coverage and within two months of opening the shop experienced a 38 per cent increase in sales.

"Beyond the idea that good design can help rejuvenate and animate a shopping mall, this was a very tangible result that creativity can bring better business," concluded Draisci.

Continued overleaf...

'The project gave us the opportunity to investigate how to engage people in architecture on a very literal level'

Dieter Kleiner,
director of RCKa



© Liam Clarke

#Live Life In Colour

- **Architects:** RCKa
- **Client:** Tayohya

The drum-shaped installation of colourful woven vinyl sheets, hung over a highly reflective floor, is designed to create a physical relationship with shoppers, first enticing them to push through the sheets into the space, then to move around it in a circle, guided by the directional arrangement of ribbons and experiencing a colour-shifting effect.

The form is visible when moving around the central atrium of the mall on upper and lower levels and features four colours from home fashion brand Tayohya's Spring 2015 palette, using actual material from placemats and bags sold in-store.

Dieter Kleiner, director of RCKa told ADF: "The project gave us the opportunity to investigate how to engage people in architecture on a very literal level, which is different from how people normally talk about engaging people in architecture in terms of context, politics, or design development etc."

This reflects Tayohya's strong links with the local community – what its CEO terms the importance of the "human touch" – holding events in local parks and organising charitable initiatives, such as clothing collections for less fortunate areas of China.

The shop interior site was challenging in that it was not a shop window and did not have any defined frontages. And unlike other Shanghai Windows retailers, which were quite high-end or boutique, Tayohya sells a wide range products, from fluffy toilet seat covers, to designer flasks or glassware, which meant the design had to appeal to a wider Chinese public.

Kleiner's initial concerns about communicating in a foreign language on his first project in China were allayed after a friend put him onto the smartphone app WeChat. "In China, everyone uses WeChat, and unlike emails or phone calls, they will reply to messages at almost any time of day. The app has a very useful translate button, so any Chinese messages were about 90 per cent legible, which really helped the project."



'The sculpture reflects the world of fashion design and its frequent fascination with alien forms and science fiction'

Marco Vanucci,
founder of OPENSYSYSTEMS

Dice

- **Architects:** OPENSYSYSTEMS
- **Client:** NN

What kind of alien world might the fashion-conscious clientele of NN's flagship store in Xintiandi Style inhabit? That was the question OPENSYSYSTEMS tried to answer when designing this installation of prismatic metal dodecahedra, inspired by geometry found in natural crystals and rocks.

Located at the entrance to the store, the sculpture comprises a series of geometric polished aluminium modules, that were laser cut, bent, and welded together off site, and installed in just one night.

Marco Vanucci, founder of OPENSYSYSTEMS told ADF: "The sculpture reflects the world of fashion design and its frequent fascination with alien forms and science fiction, as well as the practice's fascination with complex geometry, computation and materials."

NN was founded by the young entrepreneur Alexander Chu, who started out as a supplier of leather to major fashion

brands, then set up his own brand in 2010, opening two stores, in Shanghai and Beijing. Chu is also something of a philanthropist, and has award scholarships to young Chinese designers to study in prestigious UK colleges, such as Central St.Martins and the Royal College of Fashion.

"NN felt our portfolio aligned best with the aesthetic of the brand, and we liked the fact they pushed us to experiment with our work," said Vanucci. "The Chinese are incredibly open to being contaminated by new ideas, which was fun and interesting and gave us a sense of the opportunities available in the country."

The architects initially had some concerns about the level of manufacturing quality that could be achieved, there was difficulty overcoming language barriers with the fabricators and they could not overlook the process, being based in the UK. "Ultimately, the quality of the finishing and the overall delivery of the project was very good. We are still in touch with NN, and in discussion about potentially taking the modular construction idea further into the Shanghai shop and to Beijing," said Vanucci.

Continued overleaf..

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Pizza Express © Liam Clarke



Rubis Spa © Liam Clarke

The Rest

- Mobile Studio's design for Giftique draws upon the meteorological qualities of Spring
- Squire and Partners developed distorted hand crafted marble sculptures for the brand Maria Luisa, inspired by the artistic process of creation and decay
- Urban Systems' design for brand PH7 references material systems in nature and was constructed using low-cost and 3D-printing technologies, using a bio-degradable plastic
- Arup Associates created an outdoor installation for Pizza Express celebrating the art of pizza making
- Amin Taha Architects flooded Rubis Spa's podium lobby to chest height, in an effort to capture the blue mountain lakes of Switzerland where the company was born



PH7 © Liam Clarke

Karndean Designflooring gives an extra touch of luxury at The O2

As part of major refurbishment plans to upgrade existing VIP suites, The O2, London, looked to add an extra touch of luxury by replacing existing laminate flooring with Karndean Designflooring.

The multi-entertainment venue, which hosts some of the world's biggest events, chose the opulent grain and knot details of Art Select,

Morning Oak and Auburn Oak Parquet. The O2 chose to have the individual parquet planks laid in a traditional herringbone design.

"VIP isn't just on the ticket, it's in the experience" commented Simon Carter, fabric manager at The O2. "Therefore we had to ensure that the quality of the refurbishment speaks for itself.

"Having previously specified Karndean in our O2 Lounge, we know the floor will maintain its 'wow' factor for years to come."

The O2 used complimentary carpet tiles against Karndean, in a bid to create a lavish statement.

Simon added: "Our brief was simple: luxury. Therefore it was vital that we chose a premium product to fit with our high specification. Karndean has helped us achieve this, with the golden design of Morning Oak and the rich texture of Auburn Oak creating a really sumptuous feel. We have achieved a visually amazing space full of



glamour, in keeping with the experience we promise our VIP guests."

So pleased with the feedback from the 64 revamped boxes, The O2 are now planning to install Karndean in the 32 remaining suites.

01386 820 100 www.karndean.com

enq. 143



Coin Street, The Green Room ©Hufton+Crow

Mapei's high performance decorative flooring

A Mapei internal decorative floor system has been installed at The Green Room restaurant on London's South Bank. Three individual Mapei products were specified throughout the restaurant area and all floor works were carried out by Polished Concrete Designs. Topcem, Mapei's special hydraulic binder for producing fast-drying screeds, was specified as the base product due to its performance. Mapei's Ultratop cementitious floor covering in Anthracite was applied to give the appearance of a polished concrete surface; this was chosen to complement the look of the restaurant's interior. Mapei's Ultratop Anthracite was also chosen due to its inherent high strength and excellent resistance to abrasion making it ideal for use in high traffic areas. All the joints in the floor were sealed with Mapeflex PU30, a two-component, high-strength, thixotropic epoxy-polyurethane sealant that was coloured to match the flooring.

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enq. 144

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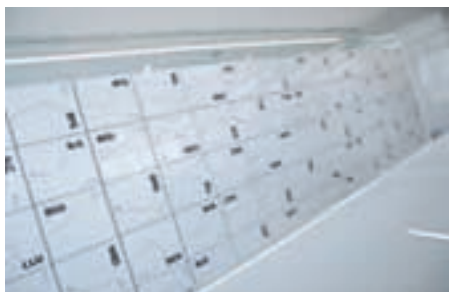
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enq. 145



Simplicity lockers – Putting personality into personal storage



When people think of lockers, they often don't think past the old grey boxes that we would generally associate with a changing room. Something that would be classed as a "necessary evil". These tin boxes would normally be concealed somewhere out of the way, as they certainly represent an example of function over form.

What if logic were turned on its head? What if the space that the lockers were going to occupy was in a major thoroughfare of the business and that everyone would see them – from your largest customer to the CEO. How could something that traditionally is kept out of site – were thrust into the limelight?

Euroworkspace has successfully delivered

installations that followed previously introduced themes as well as adding a little theatre into areas that do not normally demand it. Making locker systems an interesting and thought provoking experience.

In Canary Wharf alone, the company has installed a fifty metre long landscape to London landmarks through to airport reference codes on the Simplicity locker system. Each installation has been as unique as the clients they were delivered to. Capitalising on space that may have previously been dismissed as unusable has been re-visited and fitted with Simplicity lockers. Adding beautiful graphics and artwork leave clients not just with a fully integrated smart locker system that works with existing door entry systems in the

organisation but also a locker system that interacts with a user and goes beyond just putting items in and out of a locker.

It doesn't stop there, Imagine being able to use your locker installation to signpost your business. Using Simplicity Zones, Euroworkspace produces a specially designed, easy to learn, helpful set of navigational points in your building. It makes it simple for staff and visitors to find their way around your business, and keeping them on track and on time for meetings and gatherings.

If you have a project where a locker system needs to be more than just a functionless tin box – talk to Euroworkspace they've certainly got designs on your lockers.

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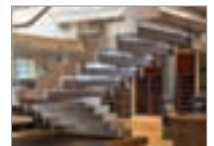
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Innovative ideas and the latest technology at 100% Design

As part of the London Design Festival, 100% Design – one of the UK's largest design trade shows – will celebrate its 21st edition in a brand new home, Olympia London (23 - 26 September 2015)



Look out for



CANAL Architectural will be presenting a bespoke range of new architectural staircases and balustrades incorporating contemporary materials including glass, stainless steel, timber and brass. Visit CANAL at stand E267 and meet the architectural team working in both residential and commercial environments.

enq.150

Staged across two levels in the Grand and West Halls, this year's event is based upon the central theme – 'Design in Colour', working closely with trend forecasters WGSN among many others. Over 400 UK and international designers and companies will be exhibiting at the show this September, and the total number of exhibitors is expected to rise. Five industry sections will return to the show, of which Kitchens & Bathrooms, Workplace and Design & Build will present innovative ideas and the latest technology for those specialist sectors.

Kitchens & Bathrooms

Addressing the demand for high-end design solutions, Kitchens & Bathrooms is set to demonstrate quality innovation across components, materials, equipment and effective use of space.

Once again, this year's Kitchens & Bathrooms presents a strong exhibitor line-up, from newcomers antoniolupi and Bette, to returning brands including GSI Ceramica, Kolpa, bulthaup by Kitchen Architecture, Foursteel, Keramag Design and LG Hausys – HI-MACS[®] (pictured above)

Known for its ceramic heritage, GSI Ceramica (Stand K460) will host a UK launch of its Sand sanitaryware collection and Rimless Swirlflush WC, designed and crafted in Italy. GSI Ceramica will share its stand with Zucchetti.Kos (Stand K460). Also based in Italy, antoniolupi (Stand K471) will join 100% Design for the first time with its contemporary washbasins and baths.

Meanwhile, Germany-based Bette (Stand K564) will launch an array of new designs at the show, including the

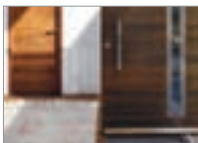
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Greystone, from Solus Ceramics at stand E488, is an evocative range that features a choice of two deep and rich grey shades. Speckled with a liberal dusting of shadowy lowlights and bright highlights, the tiles in this range provide a modern and chic mood. Inspired by natural stone mixed with the deep, matt textures of raw coal – the range delivers a natural, mountain aesthetic.

enq.151

Look out for



Urban Front at stand E228 design and make hardwood contemporary front, internal feature and garage doors with steel reinforcement and high security locks with pivot or 3D hinges. It specialises in oversized and flush doors up to 1.5 x 3m – in five hardwoods and also in any RAL colour. Urban Front door-sets exude quality, strength and beauty.

enq.152



SIMONSWERK, the Architectural Ironmongery manufacturer, will again be exhibiting at 100% Design showcasing the latest developments in hinge technology. For iconic design and precise engineered functionality visit stand E670 in the Design & Build section to see its extensive range of fully concealed TECTUS and solid brass TRITECH hinge systems.

enq.153



Charles Todd epitomises the very highest standards of luxury and quality by **Todd Doors** (stand E249). Door experts are on hand to guide you through your purchase and can offer a fully bespoke service. These doors are unrivalled in standards and elevate property into an entirely new level of sophistication and indulgence.

enq.154



award-winning BetteLux Shape range of baths, washbasins, furniture and accessories – designed by Tesseraux and Partner.

Slovenian bathroom company Kolpa (Stand K565) will return to the show, alongside bulthaup by Kitchen Architecture (Stand K464) and Foursteel (Stand K590), a Portuguese manufacturer which specialises in design-led radiators and towel warmers in stainless steel.

100% Design 2015 also sees the return of Keramag Design (Stand K470), showcasing its latest Xeno² and MyDay bathroom collections.

Workplace

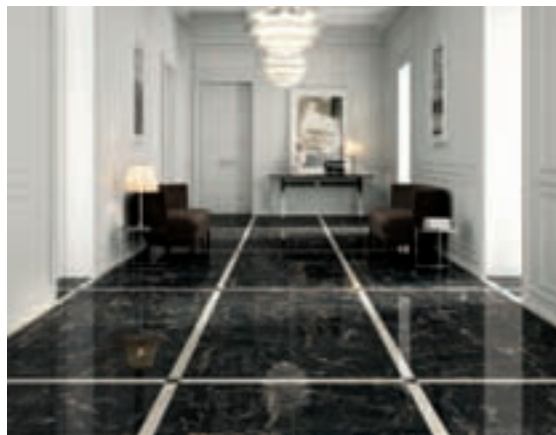
100% Design's Workplace is the only dedicated workplace design show in the UK, featuring all aspects of commercial design for this specialist sector, including seating, desking, electronic innovations, acoustic panels, storage systems, lighting and flooring.

New to the show, Italian furniture manufacturer Chairs & More (Stand W644) will preview its new collections, Tulip and Babah, while Steelcase (Stand W550) will host a series of themed talks on current workplace trends, issues and solutions.

Returning to 100% Design, Swiss manufacturer Vitra (Stand W330) will launch its new Hack table system – made from raw wooden panels – by Konstantin Grcic to the UK. Muirhead Leather (Stand W230) will also return to the show with its high performance, low carbon leather (pictured top left), so will Belgium-based BuzziSpace (Stand W344). Isomi (Stand W455) will preview its first modular furniture made entirely of concrete and designed by Paul Crofts.

Mobile tech expert Aircharge (Stand W643) will come to 100% Design with its new mobile application. This latest offering enables users to easily locate a public location that provides wireless charging compatible with the Wireless Power Consortium.

Soundtect (Stand W630) and TopBrewer by Scanomat (Stand W331) will also have a presence at the show; the former manufactures and supplies sustainable, acoustic panels for walls and ceilings, while the latter offers a patented, stainless steel tabletop tap – connected to smartphones or tablets – for brewing fresh coffee in the workspace, kitchen or cafe.



Design & Build

Design & Build at 100% Design 2015 aims to offer a central resourcing point for the A&D community with a comprehensive list of leading brands from this unique sector. New to the show and sponsoring Design & Build is decorative laminate expert Formica (Stand E478).

Also joining the show for the first time is Henry Blake Hardware (Stand E798) which offers a modern yet timeless collection of Art Deco-inspired pull handles, lever handles, cabinet hardware and hinges in the finest material.

Based in Germany, Gira (Stand E479) will return to 100% Design with its new Gira G1 intelligent central operating unit for the building technology, operated by touching or gesturing on the brilliant multi-touch display. Also returning to the show is Vectorworks (Stand E159) which will showcase its interior design, architectural and landscape design software with Building Information Modelling capabilities.

Edward Ray International (Stand E293) will bring its latest developments in stretch ceilings and LED to 100% Design, while lighting control company Rako Controls (Stand E825) will launch its new programmable wireless volt free interface unit, allowing the use of standard latching rocker switches.

Visitors to this year's Design & Build will experience an extensive range of high-tech products from companies including electrical switch specialist JUNG (Stand E389), electronic supplier and installer ABB (Stand E270), lighting and home technology design studio Nude Designs (Stand E601), as well as Home of Technologies (Stand E139) and Basalte (Stand E180), both of which specialises in home automation systems.

In addition to technology, surface materials is another key category within this section. UK-based H&E Smith (Stand E832) will debut Project Glaze, a new range of gloss glazed white body wall tiles with 57 colour and five size options. Another UK specialist tile supplier, BluePrint Ceramics (Stand E255) will also exhibit this year with some of its latest collections (pictured top right) including Hex Stone and Metal Mosaics.

For more information on 100% Design, visit www.100percentdesign.co.uk

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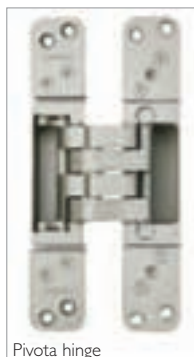
100% Design Exhibition | Stand E267



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enq.156

Hinge Innovations from Phoenix



Pivota hinge

From high performance butt hinges and continuous hinges through to Pivota fully concealed hinges, **Cooke Brothers** are one of the UK's leading manufacturers of high quality hinges. With full in-house design, development and testing facilities, Cooke Brothers are the number one choice for all standard and bespoke hinge solutions. Among a range of exciting new hinge solutions at this year's exhibition Cooke Brothers will be showcasing the latest range of fully concealed Pivota hinges including the DX 30 for doors up to 30Kg and the DX80 ZA for offset door applications. Visit at stand E125.

enq.157

100% design stand no E125

Boss Design announces new product line-up

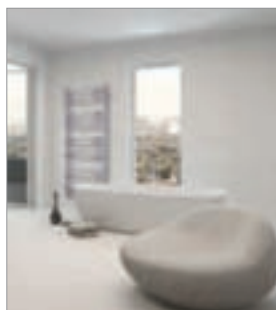


Boss Design will once again take centre stage at 100% Design and is set to ignite the show with the launch of a series of pioneering new products. Alongside a contemporary and luxurious lounge chair collection, the iconic brand will unveil a new standalone media wall to extend its eminent soft office collection. The award-winning Coza task chair will also make its debut at this flagship event and will be shown alongside the company's award-winning multi-function flip-top table, Deploy. The new lounge chair collection, Marnie (pictured), presents an exciting fusion of elegant design, premium upholstery and attention to detail. Embodying luxury and style, this understated collection features a high and low back arm chair, with its full body and angular back shape lending itself perfectly to versatile upholstery.

enq.158

100% design stand no W535

JIS Europe at 100% Design 2015



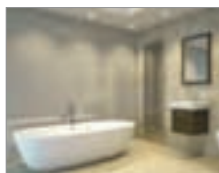
JIS Europe will be displaying its extensive range of stainless steel heated towel rails including a new range to be launched at the 100% Design Exhibition at Earls Court from 23rd to 26th of September 2015 on Stand K170. Its Sussex Range is available in polished or brushed satin finishes. All towel rails are manufactured to exacting standards and JIS Europe offers an extended range of sizes with new models to choose from. All the models are guaranteed for 25 years.

01444 831200 www.sussexrange.co.uk

enq.159

100% design stand no K170

New Lustrolite colours at 100% Design



Lustrolite acrylic high gloss wall panelling, available from **Abacus Manufacturing Group**, is proving exceptionally popular with designers and retailers who want to add pizzazz to kitchens and bathrooms – or, indeed, any room. There is a choice of nine vibrant colours – Arctic, Glacier, Blue Atoll, Rouge, Mocha, Titan, Carbon, Forest and Safari (pictured) – so that all design and colour schemes can be enhanced with this innovative panelling. Lustrolite can be used to excite new designs or update old kitchen splashbacks, showers and bathroom walls. It looks the same as back painted glass but is an advanced multi-layer acrylic that weighs less than a third of a traditional glass sheet and has 20 times the impact strength.

enq.160

100% design stand no K360

adf bathrooms, washrooms, kitchens & catering supplement



Anti-slip tray



Thermostatic control



Overhead rain shower



The stunning Kinemagic shower cubicle fits perfectly into the same space as a bath. Its innovative design requires no silicone or re-tiling, meaning it can be installed in just a day.* The 'Cristal Plus' glass panels can be configured for a right or left-handed installation and are completed by a high quality grab rail and folding seat, creating the ultimate safe shower experience.

For more information or to request a brochure visit kinedo.co.uk.

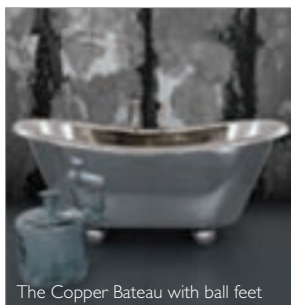


*It is possible to fit a Kinemagic in just one day with two people. However, this is subject to site situations and the competency of your installer.

All it takes to transform a bathroom is a little Kinemagic.

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Made from classic and authentic materials such as cast iron, copper, brass, stainless steel and even marble, **Hurlingham's** baths are customised and hand decorated in our Lincolnshire workshop. Hurlingham ensure not only the highest quality products, but also offer complete bespoke tailoring; from the choice of over 4,000 paint colours, your choice of fabric or genuine leather, real or faux metal leaf gilding, the use of cast iron appliques or a special 3-day hand polishing finish.

enq.330



Horne Engineering's latest design for sport and leisure facilities, the Dušo shower column, is proving a highly popular choice for many leisure facilities across the UK. Its striking but minimalist design with easy-to-operate paddle and 60 second flow duration works a treat for individual and family showering. Appraise the Dušo plus other showers from Horne's Leisure range on Stand C72 at Leisure Industry Week, NEC Birmingham, 22-23 September.

enq.331



Dolphin Dispensers are now offering matching soap dispensers to their sensor taps in most of their range – both in counter mounted & panel mounted versions.

These can be battery or mains powered and come with a chrome or a satin chrome stainless steel finish – the opportunities are enormous in public washrooms, airports, fitness centres, shopping centres, prestigious office blocks.

enq.306



The Grande, a new flagship office development in Aberdeen will have state-of-the-art management systems installed in all its washrooms to help control energy and water use. The eight-storey offices will have 36 Sensazone washroom systems installed to help lower water and energy consumption. Sensazone from water management experts **Cistermiser** is a low-cost system which uses infrared sensors to control energy output, water supply, lighting and ventilation.

enq.305



The Prince's Foundation
FOR THE BUILT ENVIRONMENT

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Shaws of Darwen have been manufacturing robust fireclay commercial sinks for over 100 years. The extensive ranges and sizes of laboratory, shelf, cleaners and traditional Belfast sinks suit every requirement



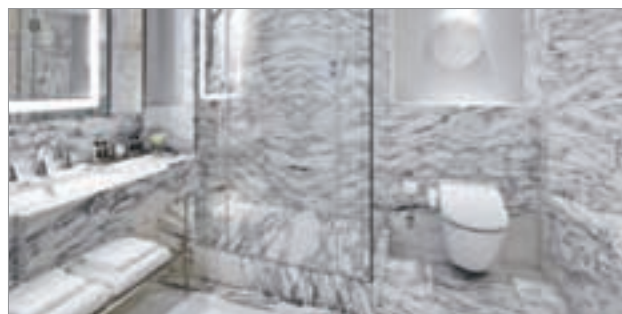






All enquiries 01254 775111
www.shawsofdarwen.com

enq.302



Mapei's complete system installed

A complete Mapei system has been installed at the Marriott Hotel in London's renowned Park Lane. Mapei products were specified throughout the interior from public areas, guest rooms and bathrooms utilising Mapei's extensive product range from screed, render and waterproofing, to various tiles adhesives, grouts and silicone sealants. Mapei's system was specified throughout a floor and wall surface area exceeding 6,000m². It included high performance, fast-drying screed – Mapei Topcem which reduces installation time to 24 hours for ceramic and two days for stone tiling. Following subfloor and wall preparation, low VOC adhesives and grout, Mapei Keraquick a fast-setting flexible S1 adhesive and Ultracolor Plus, a fast-setting and drying flexible grout, featuring anti-efflorescence, water-repellent and anti-mould properties was specified alongside Mapei's Ultraplan Renovation Screed, Primer S and Mapeband and Mapelastic Aqua Defense. Keraquick and Latex Plus were combined, which forms an S2 adhesive to create more flexibility required for this installation.

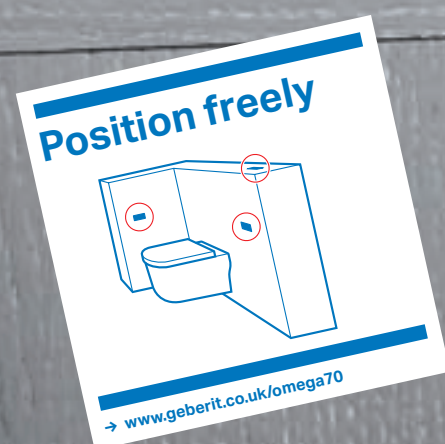
0121 508 6970 www.mapei.co.uk

enq.303

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Is your washroom flushing money away?


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Introducing Sensazone – an easy to install, all in-one solution to reduce water wastage and energy bills.


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New supermodels take centre stage

Ultra slim hand dryer systems with a slender 94mm recess depth and trim 10mm projection.

Slim and stylish the BC27 hand dryer system is perfect for any washroom, especially where space is at a premium.

- **Velocity Eco Slimline Recessed Hand Dryer** – high speed, energy efficient hand dryer with infra-red sensor and stainless steel fascia
- **Recessed Paper Towel Dispenser** – contemporary, slimline unit with stainless steel front
- **Slimline Recessed Bin** – 24L capacity with stainless steel front

The BC27 range – strong on style, easy on space.

Products from the BC27 range can be used individually, or configured in different combinations to maximise use of available space.



For more details about our hand dryers see:
www.dolphindispensers.co.uk

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There's nothing quite like a Sytan washroom



One of the most overlooked areas, where you can put your building strides ahead of any other, is in the washroom. Often thought of as functional rather than beautiful, or necessary rather than impressive, the washroom can actually be a design statement all of its own. It's fully furnished, can be tailored exactly to your vision, and can help a building tell its story.

A Sytan washroom can tell a tale like no other. It speaks of precision, of attention to detail, of forward-thinking and innovation, of style. Everything from the material finish, to the stainless

steel concealed hinges, has been meticulously engineered or carefully considered before it's deemed worthy of Sytan; worthy of your design.

Let's take Sytan Veneer. Creating the perfect vision in wood veneer takes a seasoned eye, and it's a gift all of our Veneerists possess. Unlike mere mortals, they can read the subtle nuances of wood grain with astounding clarity, expertly bringing together wafer-thin leaves of wood veneer to create one continuous, natural grain movement. So much so, that on a long run of flush-fronted cubicles, the grain meets so perfectly, you'd think you were looking at a tree some eight metres wide. Proof we don't mess with nature; we just work beautifully with it.

Sytan knows that not all corporate washrooms are designed to set the heart racing, so it bucks the trend. With ColourCoat, there's now a brighter choice than brown, beige, or fifty shades of grey, so you don't have to set any boundaries on your imagination. There are over 200 colours in the RAL range to choose from, plus a range of finishes



that go up to 40 per cent gloss; enough to brighten up the gloomiest working day.

It's a wonderful thing when beauty is found in the most unexpected places. It takes you by surprise, yet also leaves the biggest mark on you. A building will take on the essence of those within it the longer it stands, but when it's fresh and brand new, you need to inject it with a few unique qualities all of its own to help it stand out. There's nowhere better to do that than the washroom, and there's nothing quite like a Sytan washroom.

01763 276200 www.amwell-systems.com

enq.307

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enq.308

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enq.309

Wet room wonders from Schlüter-Systems

Schlüter-Systems extensive range of wet room products offers simplicity, reliability and easy installation within the home.

Incorporating the very latest innovations for floor-level showers and wet rooms, Schlüter-Systems provides a fully integrated product suite, including top of the range waterproofing sets, drainage systems, and uncoupling and waterproofing membranes for tiling the walls and floors.

Products including Schlüter®-KERDI-LINE are linear drain channel systems which are perfect for

the construction of floor level showers and offer a particularly low assembly height. The Schlüter®-KERDI-SHOWER range are pre-sloped shower bases making tiling straightforward and there are a number of different sizes and dimensions available, providing an ideal substrate for an excellent finish with tile or natural stone.

Other products in the range include the Schlüter®-KERDI-SHOWER-TB which has been specifically designed for timber substrate environments and the Schlüter®-KERDI-DRAIN which is a square floor drain system with designer grate options. Schlüter®-WETROOM range also boast all-in-one wet room kits, including all the necessary components to provide guaranteed waterproofing solution for walls and floors.

Carl Stokes, divisional manager at Schlüter-Systems, comments, "The installation of a wet room within the home has never been so easy or more accessible. We have received great feedback from tilers using our kits and the fact that we've witnessed such an increase in demand for our wet room range really speaks volumes about the

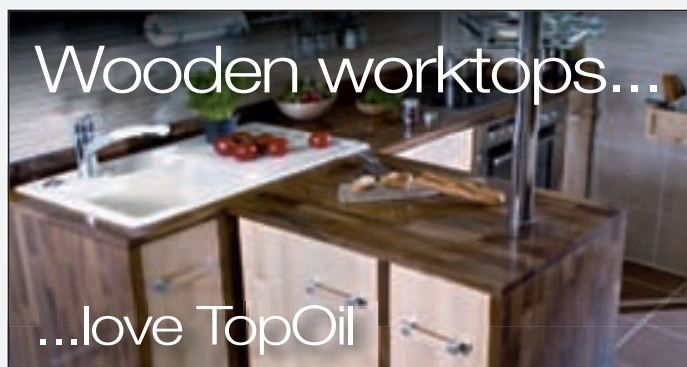


popularity of not just the packs but the products within our wet room range."

"The kits are not only an installers dream but with the Schlüter®-KERDI-DRAIN and Schlüter®-KERDI-LINE the designers and home owners can tailor make the decision on if they wish to make the drainage channel a feature with the designer grates or for it to blend into the design using the frameless grates."

01530 813396 www.schluter.co.uk

enq.310



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enq.311

Smooth, silky and sensuous



Dark Concrete is one of four stunning quartz colours just launched by COMPAC, innovators in surface technology for over 40 years. Inspired by America's loft culture, Dark Concrete is part of COMPAC's New York Collection, a unique quartz worksurface range that explores an industrial and urban aesthetic which will change the way we think about worksurfaces. Smooth, silky and sensuous to the touch, the New York Collection will excite the senses by offering the opportunity to create contemporary kitchens that replicates the style and uniqueness of loft living in the 'Big Apple'. The New York Collection consists of seven urban colours including new additions: Dark Concrete, Ice Concrete, Beige Concrete and Beige Zement.

enq.312

BLANCO by GUTMANN cooker hoods



Every kitchen, no matter how large or small, needs efficient extraction in order to remove cooking odours and steam, preventing the build-up of condensation that can lead to a damp, high humidity environment. With BLANCO'S GUTMANN range, an exclusive collection of high-tech cooker hoods, ventilation is sleek, stylish and extremely powerful. Chosen by consumers, kitchen dealers, designers and architects, GUTMANN hoods are unique as each unit is planned and specially manufactured for each customer. The collection includes flush-fit and suspended ceiling extractors, traditional and contemporary chimney hoods.

enq.313

Doc M finds fresh style with Balmorals' i.Care



Balmorals London, bathroom specialists' Approved Document M compliant toilet and washbasin solution is stylish, cost-effective and fully compliant. The i.Care Doc M Close Coupled & Low Level Pack presents a 470mm white ceramic raised height WC, with a ring seat and a choice of either a single raised chrome push button or lever activated close-coupled cistern of which

Balmorals has reported customers are especially interested in the latter option, this being because the chrome spatula-shaped lever is easier to use than the push button. Further aiding mobility there is set of five 600mm long grab rails, which can be supplied in white and blue finishes to fit in with the chosen decor.

0208 349 7229 www.balmoralslondon.co.uk

enq.314

Kinedo wins cubicle contract



The range of Kinedo cubicles from Saniflo is becoming widely accepted as a quality shower solution for house-builders up and down the UK. Following hot on the heels of the product being used in new developments by Broadgate Homes and Kensington Developments, Larkfleet Homes of Lincolnshire has specified the unit in several of

its new developments in the East Anglian region. During the next year, 120 Kinedo Horizon cubicles will feature in the builder's high quality developments of apartments and houses. Available in corner, quadrant and recessed versions, Horizon is supplied complete with a modern, built-in shower valve, contemporary rainshower head and handset and hose and doesn't need tiling and grout.

020 8842 0033 www.saniflo.co.uk

enq.315

CCL Wetrooms extends range



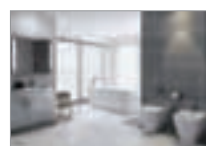
CCL Wetrooms, one of the UK's leading wetroom specialists has extended its range of wetroom grills and tapered boards for use with its market leading wetroom drains. The increased range provides customers with a greater choice of grill sizes for their wetroom projects. The range has been increased

from four to nine standard lengths: 600mm, 800mm, 900mm, 1,000mm, 1,100mm, 1,200mm, 1,300mm, 1,400mm and 1,500mm. The grills are available in four different finishes, comprising Solid, Oblong Slotted, Square Slotted and the latest Stone-Infill Grill. To complement the extended range of floor and wall grills, CCL Wetrooms have also introduced additional sizes of tapered boards.

0844 327 6002 www.ccl-wetrooms.co.uk

enq.316

RAK launches Harmony bathroom range



RAK Ceramics has launched its new Harmony bathroom range. Harmony offers a luxurious, Italian-designed range of sanitaryware and basins, complemented with stylish matching furniture. All of the products share a simplistic but stunning look; the curved lines of the sanitaryware and the

furniture's sleek design features – including push/release drawers and ambient lighting – work in total 'harmony', providing a stunning bathroom design at an affordable price. Harmony sanitaryware options include full back-to-wall, close coupled and wall hung designs. The matching white furniture has high gloss painted drawer fronts with complementary wood finish side panels.

01730 237850 www.rakceramics.co.uk

enq.317

Kitchen and bathroom care covered with Fila



Fila's surface care range includes a variety of treatments suitable for kitchen and bathroom surfaces. Designed to clean and protect safely – and without compromising natural surface characteristics – the range includes sealants, deep

cleaners, protective barriers and trouble-shooting solutions for surfaces spanning from glass shower enclosures to natural stone floor tiles. Production is supported by Fila's new ISO 14001:2014 certification and its extensive range is recommended by over 200 leading tile brands. New sealants include solvent-free, stain-proofing protector – FILAMP90 ECO PLUS – approved impregnator for polished and unpolished natural stone, and polished porcelain tiles.

01584 877286 www.filasolutions.com

enq.318

Architects Datafile website



The Architects Datafile (ADF) website is an online provider of past and present products and news items for the architect or specifier. architectsdatafile.co.uk is a one-stop source for all the latest press releases providing any visitor with access to information about products and services that they may require. From the website, you can find links to digital issues that have live links to advertisers' sites, as well as daily email alerts to keep you as informed as possible.

www.architectsdatafile.co.uk

Specflue unveils pellet cooker range



Specflue, a leading supplier of flue systems, wood burning stoves and renewable heat products, is launching a new range of pellet cookers.

Manufactured by J Corradi through MCZ, one of the first companies in Europe to introduce pellet technology, the cookers will be distributed solely by Specflue in the UK.

These are a smarter, more eco friendly addition to the family of range cookers. They can be used to cook all year round and act as a room heater in the cold winter months. One of the models, the Neos 155 PGE, comes with pellet and electric ovens, eliminating the need for an additional cooker in the kitchen for use in the summer.

The cookers are controllable, energy efficient and the fuel can be easily stored. They are also competitively priced and can be installed in any home, as long as there is the necessary space for the flue.

Initially, two models will be available, the Neos 155 PGE, which in addition to the two ovens, has the option of gas, electric, ceramic or induction hob, and the Neos 90P with a ventilated pellet oven only.

0800 9020220 www.specflue.com

enq.320



The Saniaccess range of three macerators and a pump designed and manufactured by **Saniflo** provide a one-stop-shop solution for new domestic applications. Known for their quiet technology, the range of sleek macerators and pump are suitable for a range of new domestic applications including a cloakroom, en-suite and even greywater situations in kitchens and utility rooms. Homeowners can service and maintain the macerator or pump without having to remove them.

enq.301



Shaws of Darwen have been manufacturing handcrafted fireclay sinks for over 118 years from its factory in Lancashire. The company has an extensive range and vast experience in providing heavy duty white glazed commercial fireclay products, which are all acid and alkali resistant and designed for commercial applications in schools, care homes, hospitals, institutions, public buildings, laboratories and leisure facilities. Visit the company's website to view the range.

enq.302



The **Geberit AquaClean Mera** takes the comfort and convenience of a shower toilet to a whole new level. Picking up the Design Plus Award powered by ISH 2015 and the Red Dot Design Award 2015, the Geberit AquaClean Mera impresses not only with its aesthetic appeal, but also because of its array of intelligent comfort functions that bring spa-like luxury to the bathroom. This latest shower toilet from Geberit has the appearance of a standard WC.

enq.304



Taplanes Ltd provide pre-fabricated Shower cubicle and bathroom pod solutions to a variety of end users throughout the UK. With a strong client base including Universities, Schools, Housing Associations and Hotels, Taplanes pre-formed shower enclosures overcome the inherent problems associated with conventional bathroom areas. The pre-fabricated structure provides many advantages over traditional building methods delivering significant long-term benefits.

enq.309

Toilet selector



Specification of, and architectural drawings for away-from-home accessible toilets is simplified with a new facility. The RIBA Product Selector now includes a comprehensive product information resource for toilets in school hygiene rooms, and their Changing Places counterpart for buildings to which the public have access, via **Clos-o-Mat's** new listing. Clos-o-Mat is the only British company to be able to supply, install, commission and subsequently maintain the complete raft of equipment desired and/or required under latest Building Regulations Approved Document M 2013, Department of Education Building Bulletins, British Standards and British law.

0161 969 1199 www.clos-o-mat.com

enq.321

Redring turns up the heat with new tap



Consumers, renovators and installers needing instantaneous boiling water in kitchens and food preparation areas can now choose **Redring's** new Instant Boiling Water Tap, developed as part of the company's extensive new product range. Supplying water at a temperature of 90 degrees Celsius, the unvented solution is ideal for use in kitchens and domestic environments. The 3 in 1 tap is able to provide cold and hot water, just like any other mixer tap, as well as the boiling function and these three varied temperature options offer a great deal of flexibility for all cooking, beverage and cleaning tasks. A safety lock has also been incorporated to prevent boiling water being selected accidentally.

0844 372 7750 www.redringxpelair.com

enq.322

New extended range of electric showers



The **MX Group's** 'MX Collection' catalogue is hot off the press and creating a stir with specifiers and installers up and down the country – in particular for the extended electric shower range which is already making waves across the UK.

For your copy, please visit the impressive website, call or email sales@mx-group.com with your request.

01684 293311
www.mx-group.com

enq.323

Sanifloor and Sanishower from Saniflo



Saniflo's Sanifloor, available in three models, is a shower waste with a suction pump and sensor that enables the installation of level access showers and wetrooms in situations where gravity drainage is not an option. The Sanifloor has been designed to cope with a large deluge of water at any time. For standard electric

or gravity mixer showers, the Sanishower Flat is the perfect solution. Sanishower Flat is a pumping solution for low-level shower trays of 80mm and over. The two inlets mean a washbasin can be added too. Sanishower Flat is a two part kit with the Sanishower pump plus gully and waste, which can be installed next to or underneath a shower tray with access for easy maintenance.

020 8842 0033 www.saniflo.co.uk

enq.324



Eco-friendly wood and finishes expert, **Osmo UK**, offers TopOil, an interior wood finishing treatment, designed to keep wooden kitchen worktops as beautiful as the day they were installed. Made with natural plant oils and waxes, TopOil accentuates the wood's natural beauty and leaves a flawless water-repellent and resistant finish. Osmo TopOil is easy to use. Two to three coats of the oil will allow the homeowner to enjoy glorious wooden worktops for years to come.

enq.311



New high risk shatterproof all-in-one integrated basin and backplate with anti-ligature spouts have successfully been supplied by **Robert Pearson & Company Ltd** to some of The Priory Hospital Group's accommodation for high risk mental health patients. The integral spouts can be controlled by your choice of anti-ligature no-touch sensors or anti-ligature electronic touchpad switches to provide safe and easy to use water supply on demand.

enq.308

Pressalit Care gives flat spaces the wow factor



Artist and developer Tom Yendell's new concept in holiday accommodation, Flat Spaces, has been specially designed to take the worry out of travel for disabled visitors. Knowing that **Pressalit Care** is highly regarded for designing a range of attractive yet practical rise and fall products for the home, he turned to them when looking to furnish the

kitchen, dining room and wet rooms in his new holiday accommodation. Tom said: "We did our homework very carefully before choosing the most appropriate furniture and fittings from Pressalit Care, to help Flat Spaces become stunning, self-contained holiday accommodation with a definite wow factor."

uk@pressalit.com www.pressalit.com

enq.325

Perfect comfort that is perfectly cool



P3 Comforts is a complete bathroom range that modifies simple geometric forms to render them aesthetically calming and extremely comfortable to use. A characteristic feature of the design is the raised tap platform on the basin and bath which separates the wet and dry areas and provides generous space for storing bathroom essentials. Basins

and baths appear almost rimless with maximised interiors for greater volume and freedom of movement. For stockists contact **Duravit** – info@uk.duravit.com

0845 500 7787 www.duravit.co.uk

enq.326

Kaldewei – Silenio baths and washbasins



Now, alongside new product collections, washbasins are available to complement **Kaldewei's** most popular product ranges, all meticulously crafted in Kaldewei 3.5mm steel enamel. The new Silenio range, created in collaboration with designer, Anke Salomon, is distinguished by soft interior lines with

the bathtubs and washbasins harmoniously combined. Its characteristic features are the flat bath rim and the sharp corner radii which allow the bath to visually melt into the bathroom. The matching Silenio washbasins also feature the organic design of the bath, flowing gently inwards from both sides into a soft hollow with a spacious surround that offers plenty of room for fittings and accessories.

01480 498053 www.kaldewei.co.uk

enq.327

Water in a new dimension



An impressive rain shower in an atmosphere of well-being and high-quality design: the new Rainmaker Select range of overhead showers from **Hansgrohe** turn showering into a sensual experience and transform the bathroom into a place of refuge and relaxation. The assortment is especially appealing thanks to a new white glass surface –

a precious material that turns the products into statement pieces and significantly upgrades the bathroom ambience. The Rainmaker Select 460 overhead shower has three spray modes and a 46cm spray disc, promising individualized shower pleasure. For more information please visit the website.

01372 465655 www.hansgrohe.co.uk

enq.328

Breakthrough solution for bituminous substrates from Norcros Adhesives



Norcros Adhesives has cracked the problem of tiling on to bitumen and asphalt substrates with the latest addition to its Ultim8 family of ready-mixed tiling adhesives. The company has developed Ultim8 B+ specifically to enable easy and rapid tiling on to bitumen or asphalt surfaces or surfaces coated with contact adhesive residues – up until now this has only been possible after carrying out a messy and tedious scabbling process to remove all traces of the asphalt and bitumen. This is particularly an issue in refurbishment projects, where it may be desired to tile over an old bitumen or asphalt surface. These are often found on floors where old vinyl tiles have been removed and on balconies, and the complications involved can greatly add to the difficulties of tiling in such areas. Bitumen surfaces are also encountered in new build, particularly in cellars, where bitumen damp proof membranes are often installed. Ultim8 B+ is now by far the most straightforward solution for tiling in such circumstances, whether interior or exterior. The product operates as a system in which the installer firstly fixes Norcros 6mm Pro Board to the bitumen or asphalt surface using Ultim8 B+, a procedure which requires minimal preparation. The installer can then fix ceramic, porcelain or natural stone tiles to the surface of the board, using a cement-based tile adhesive.

01782 524 140 www.norcros-adhesives.com

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enq.164

The future of water

Jae Lester of Rainwater Harvesting Ltd examines the options for a Sustainable Water Supply for the future

With changing weather patterns and urban growth stress is being placed on UK water supplies. Future building projects should have design criteria which takes into account Sustainable Water Management.

So what are the options? Water Authorities are working to improve the ageing pipework of mains supply and losses have been reduced to 22 per cent. However it is likely that demand will continue to outstrip supply before 2020.

Are there other avenues worth exploring? Non-potable applications including toilet flushing, washing machines and outdoor usage account for 50 per cent of mains water in a domestic home. In business properties this can rise to 85 per cent. There is no requirement to use drinking quality water to flush a toilet.

Therefore other viable alternatives for non-potable applications include rainwater harvesting and grey water recycling. Water is collected and used locally forming a decentralised management system with responsibility shared between authorities, developers and end users.

BS 8515:2009 sets standards for the design, installation, quality of water, maintenance and risk management of rainwater harvesting systems. It covers 'where the main body of water is stored' which must be watertight and so designed to resist microbial growth. The filtration system must be water and weather resistant and easily accessible. In domestic properties it is often located within the tank body.

Rainwater harvesting is simple. Water off the roof is collected via standard guttering and down pipes, filtered and stored in an underground tank. With no light or temperature variance the water remains cool and fresh. The filtration is often a simple mesh where the flow of water flushes over it removing any leaves and other debris into the soak away or storm drain. The water entering the harvesting tank is released into a lower shoe known as the calmed inlet. This prevents any turbulence so small particulate is not drawn up into the system. The harvesting tank volume is calculated on a number of factors: Geographical location, average rainfall, collection roof area and intended applications. It may not be practicable (or required) to collect off every part of the roof. For ease of install, down pipes that are situated close to the harvesting tank maybe all that is required. A typical three bedroom house would require a storage capacity of between 3,000 to 5,000 litres.

The stored volume assumes rain replenishment within a 21 day period. Should a critical low level be reached a small amount of mains water is introduced into the system but will automatically switch back to rainwater when available. Systems



are designed to prevent any cross contamination and many are now WRAS approved so accepted by all authorities.

There are two types of systems-direct and gravity fed. In a direct feed system the pump runs every time a toilet is flushed. In a gravity system the water is pumped up into a header tank located in the loft space and appliances are serviced from there.

Continued overleaf...

'The advantage of rainwater is that it is a relatively simple process and it also has a further benefit regarding Sustainable Urban Drainage'

The latter method only requires the pump to be operated when the header tank needs replenishing. This can make running costs as low as 1p/person/day.

Grey water recycling is water that has been recovered from the shower, bath and hand wash basin. The water is passed through a filtration and sterilisation process. Less water requires storing as the system does not rely on rainfall but does require greater ongoing maintenance and chemical costs. All Installations must comply with the Water Supply (Water Fittings) Regulations and the Building Regulations (parts G & H).

The advantage of rainwater is that it is a relatively simple process and it also has a further benefit regarding Sustainable Urban Drainage. During heavy rainstorms water is collected within the tank first preventing localised flooding. New emerging systems including RainActiv allow a percentage of water to be used for non-potable applications but also have a SUDS element. Water is released back into the storm drain at a controlled rate so reducing the risk of downstream flooding. In periods of heavy rain the system chokes off the release of water until the water table has receded.

Both rainwater and grey water should become of interest to architects, engineers and planners as they offer Decentralised Water Management. Planning applications increasingly require consideration of a SUDS plan and rainwater harvesting with its further benefits should be considered.



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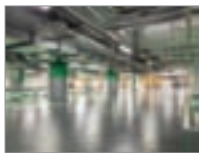
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Coating gives bacteria fighting finish



Bradite's 2K Heavy Duty Floor & Wall Coating is a high performance two pack water thinned, amine adduct cured epoxy coating and finish paint for floors, walls, structural steel and machinery. 2K provides a tough, hard wearing film, which is easy to clean and decontaminate. Virtually odourless it also inhibits the

growth of fungus and bacteria making it the ideal coating for areas that require regular deep cleaning such as hospitals. It also has excellent credentials for use in food preparation areas, dairies and milk parlours as it will not taint food. It can also be used with a low slip additive for floors and decks. Bradite is an ISO9001 quality assured company and also holds ISO14001 environmental approval.

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enq.170

BAL Level Max



With innovative Fibre Strand Technology, bed depths up to 80mm in a single application and suitable for use over most bases including timber at 3mm, BAL Level Max levelling compound is the latest innovation from a market-leader in tiling; BAL. BAL Level Max combines the benefits of BAL's levelling expertise to provide users with a complete, all-in-one flooring product for preparing internal floor surfaces for the installation

of tiles, natural stone, vinyl or soft furnishings. BAL Level Max reduces overall project costs and duration significantly with easier and faster installation. With an outstanding flow rate and 30 minutes working time it is easy to screed, while it accepts foot traffic in three hours and can be tiled after only four hours.

01782 591100 www.bal-adhesives.com

enq.172

Roofshield donation to local college



The A. Proctor Group have donated its Roofshield breather membrane to Dundee & Angus College to enable apprentices to work with real life materials. The Roofing Industry Alliance is heavily involved in the training and support for the roofing industry. One of the challenges that colleges face is being able to obtain

proper materials for training and assessments for their apprentices, due to budgets. Roofshield is the highest performing breathable roofing membrane on the market, and following independent testing, complies across all of the UK wind zones as defined in the new BS 5534. By directly supporting the local colleges, the A Proctor Group have supported the next generation of roofing contractors.

01250 872261 www.proctorgroup.com

enq.171

Nullifire launches SC801 intumescent coating



Nullifire, a brand of tremco illbruck, has launched a new intumescent coating for the 120-minute fire protection market in the UK and abroad. The innovative SC801 is suitable for use on buildings which require the highest level of fire protection such as large, multi-storey office buildings, hotels, and certain public buildings such as schools, hospitals,

municipal offices and leisure centres. The new coating represents a substantial improvement over the company's previous products for this market sector giving better loadings across all steel section types, and with wider ranges. SC801 was developed at the company's own "Centre of excellence" laboratories in Coventry. It is fully tested to the British Standard BS476 Part 2: 1987.

enq.173

York NHS Trust headquarters roof refurbished without disruption to staff



Early this year it was discovered that the original rock asphalt roof and balcony of the York NHS Trust headquarters was in a very poor condition and in desperate need of repair. The office building would have to be in constant use during the refurbishment, due to the vital nature of the services its staff provide. This presented a challenge for Sunderland-based roofing contractor, Group Tegula, working alongside the Sika Liquid Plastics refurbishment team. It was essential that the product chosen would enable fast installation without the risks associated with hot works. Not only were speed and safety key – a low odour solution was required so as not to disrupt those working in the offices. Decothane Ultra, a low odour liquid applied roofing membrane from Sika Liquid Plastics, was specified for the refurbishment. A low odour option, Decothane Ultra uses patented technology, which has been developed specifically for use in highly sensitive areas, such as hospitals, food manufacturing plants and schools. Group Tegula, a Sika Liquid Plastics Quality Assured Contractor, was able to quickly install the liquid membrane over the top of the existing roof covering, even around the more difficult areas. This was thanks to the liquid application and unique formulation of Decothane Ultra, which allowed the use of Glass Fibre Matting around plant details.

0800 112 3826 www.liquidplastics.co.uk

enq.174

Join the metal revolution!

Achieve complex facade and roofing designs with Soprema's Copper and Silver Art single ply waterproofing membranes. These systems have the characteristics of traditional copper and zinc metal roofing due to their metal particle content. Yet, they are lighter, more flexible, sustainable and economical than traditional metal roofing.

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enq.175

Skatepark puts Norbord through its paces



Few applications demonstrate the physical properties and practical benefits of Norbord's Sterling OSB more graphically than the new Shred Skatepark in the Scottish town of Ayr. The brainchild of professional joiners and skateboard enthusiasts, David Hunter and Craig Maxwell, the new indoor skatepark occupies 10,000 ft² of space. The ramps and curves were designed with help from professional skatepark consultants, Vision Ramps, and are made from two grades of Sterling OSB3 fixed to a softwood stud frame. Sterling OSB is an engineered board product comprising thousands of softwood wafers resin-bonded together under high temperature and pressure. The orientation of the fibres gives the finished board optimum strength.

enq.176

Hunter Douglas facades stand out from crowd



Choosing a Hunter Douglas facade enables architects and designers to select the exact look and feel for the exterior of any building project. Hunter Douglas's extensive range of finishes and colours means its premium Quadroclad and Multiple Panel facades stand out. Coloured mica pigmentations mean that any building can be transformed: from matt through to high gloss finishes, and subtle shades to bold and bright colours. Hunter Douglas can replicate the appearance of other metals such as zinc, copper, titanium, Cor-Ten steel and stainless steel, and reproduce anodised finishes, providing a real alternative and better consistency of colour over traditional anodised treatments.

01604 766251 www.hunterdouglas.co.uk

enq.177

Fast Curing Cold Liquid Systems provide Blitz Waterproofing solution



Morris Blitz Court, a residential housing estate in Hackney, has recently undergone an extensive amount of refurbishment works. Included within the approved scheme was the refurbishment of all of the building's balconies and walkways, as well as the transformation of the 1,000m² concrete podium deck located above the car park into an aesthetically pleasing social space. One of the major challenges for this project was the low door thresholds connecting to the podium deck, which couldn't be raised, meaning that the entire build-up for the majority of the cold liquid waterproofing and landscaping elements would need to be less than 100mm in height. Because of these restrictions the only drainage and protection board suitable within the system was Bauder's Versicell 20, which is just 20mm in height but can withstand extremely high loading. The LiquiTEC system also incorporated 140mm of Bauder's JFRI insulation in sunken areas of the podium, ensuring a level surface across the deck and combining thermal efficiency with environmental friendliness. The cantilever style balconies and communal walkways were waterproofed with Bauder's LiquiBALKON system. This waterproofing system features PMMA resin technology that provides exceptionally fast curing times and can in fact withstand foot traffic within an hour of being installed.

01473 257671 www.bauder.co.uk

enq.178

New on-wall solar facade



Ruukki Construction continues to expand its product offering by launching the new Ruukki® on-wall solar system. The new product was recently launched at London Build where Ruukki presented its Energy Efficient Building Envelope CPD as part of the workshop programme. Ruukki® on-wall solar is a cost effective add on system to accentuate large facade surfaces with discretely detailed photovoltaic (PV) fields. Especially suited to new and existing buildings such as retail, industrial, warehouse and logistics facilities. The system is based on crystal silicon panels which convert solar radiation directly into electricity. For more information visit www.ruukki.co.uk/Construction/Solar-systems-for-walls

0121 704 7300 www.ruukki.co.uk

enq.179

QuadroClad®: The flexible facade



The unique Hunter Douglas aluminium QuadroClad® system is the perfect facade for any building. Based on aircraft technology, the open-jointed bespoke system offers unparalleled flexibility, strength, durability and is low maintenance. Suitable for high-rise or single storey buildings, sloping facade, external soffits, and ceilings, the system encompasses flat, large format and durable panels in aluminium, zinc, copper and stainless steel that can be folded or curved to produce undulating facades. These can be used individually for a uniform look or can be combined to create a stunning and eye-catching facade. Integrated channels provide ventilation along with rain and condensation drains behind the cladding surface.

01604 766251 www.hunterdouglas.co.uk

enq.180



Futureproof fascias and decking

Resysta from Falcon Panel Products is an exciting new alternative to traditional timber fascias and decking. It is both environmentally friendly as well as weather resistant against sun, rain, snow or salt water. Resysta requires minimal care and offers the look and feel of real wood.

Resysta's unique composition of rice husks, salt and mineral oil are naturally impervious to water and will not absorb moisture and so is resistant to decay and rot without maintenance.

Resysta decking will not fade or degrade under the sun like traditional timber fascias and decking. We recommend a simple one off glaze treatment on installation to maximise UV protection.

Resysta's use of natural materials, its long lifespan and minimal maintenance regime make it an extremely environmentally friendly alternative to traditional timber fascias and decking.

Resysta can be worked just like traditional timber with no special tools required for installation. It also retains higher screw withdrawal resistance than timber.

Ranging from brown teakwood to violet, with Resysta Colour Concept, you can treat your fascia and decking with a wide variety of natural glazes and opaque colours.

0121 525 8844 www.falconpp.co.uk/resysta-s1.php

enq.181

RENSON® in Maidstone: Also strong in customised solutions

RENSON® is a trendsetter in ventilation, solar shading and terrace covers. Since 1909 the company has developed and manufactured innovative products and solutions, which improve the living conditions of people and at the same time cut energy costs – Creating healthy spaces!

UK-manufacturer

From its UK-based production facility in Maidstone, the company provides standard as well

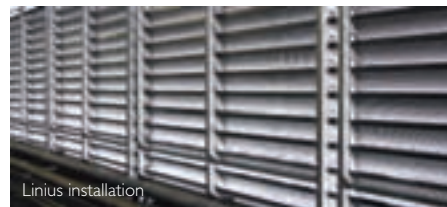


as customised solutions to the construction market and offers architects, specifiers, developers, fabricators and installers a wide range of innovative systems. Product ranges include window ventilators, louvres and continuous louvre systems as well as hinges, sun protection elements with aluminium blades and screens and terrace covers.

Acoustic solutions

The Invisivent®EVO HR provides the ideal solution for wind-impacted applications such as high-rise buildings and apartment buildings on the coast. This self-regulating thermally broken flap ventilator, installed above the window frame, offers a maximum airflow of 15.9 l/s/m at 2 Pa and a sound reduction in open position up to 42 dB.

The louvres and the Linius® continuous louvre system of RENSON® are aesthetic aluminium solutions, allowing the passage of air in and out of buildings while protecting these buildings and other installations from wind, rain and vermin.



Strong in customised solutions

For various applications in the UK, the project team of RENSON® has been developing special ventilation solutions with louvre panels, combined with options, such as dampers or an insulation stack on the backside. By integrating such special glazed-in louvre panels with insulation on every window of a building, architects and installers not only take care of ventilation and thermal resistance, but also add an additional architectural dimension to the facade of the building.

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01376 520061

enq.183

Senior's systems help new car showrooms



Senior Architectural Systems have helped to create the perfect retail environment for two new car showrooms. The Harry Fairbairn Mini dealership in Kirkcaldy features Senior's SMR900 curtain wall, which is ideally suited to meet the demands of the Scottish climate thanks to its robust construction and exceptional wind resistance

properties. Another leading car dealership to benefit from Senior's extensive portfolio of products is the Inchcape Volkswagen showroom in Stockport. Crystal Architectural has created an eye-catching attractive facade using the thermally enhanced SMR800 curtain wall which has been perfectly integrated with Senior's SFG shop front glazing system and SD automatic doors.

enq.184

Modena provides a flexible replacement



Synseal's Modena orangerie has been installed at a detached Lancashire home to replace an existing two-storey building extension and conservatory, delivering an improved replacement extension which affords a truly modern and flexible living space. Boasting contemporary and linear aesthetic

styling, the Modena is primarily designed for urban townscape and modern suburban applications, presenting traditional orangerie design features with a modern twist. In addition to an internal perimeter soffit which is typically 604mm deep, Modena's striking decorative aluminium fascia is a unique feature, creating an additional overhanging external soffit which is just short of 60cm in depth.

01623 443200 www.synseal.com

enq.185

Fire doors perform in a real life situation



A recent fire at a block of flats in Pixton, Derbyshire is the latest real life example to demonstrate the necessity of specifying the right fire doors for your new build or refurbishment works. Luckily, nobody was injured in the blaze, and leading door and window supplier to the social housing sector, Nationwide Windows, is proud

to say that the fire doors it manufactured and fitted did exactly what they were supposed to do. Chris Costall, health, safety & environmental manager at Nationwide Windows said: "Our FD30S fire doors are put under scrutiny to ensure BS 476 Part 22: 1987 fire resistance, BS 476 Part 31.1: 1983 for smoke, while our assembly and installation are all tested to BS 8214:2008."

01788 569 228 www.nationwidewindows.co.uk

enq.186

Beat burglars with steel windows



The inherent strength of their frames means that steel windows are the best for safeguarding against unwanted intruders. One of the best deterrents to a prospective thief is the traditional 'cottage' style steel window, divided into small panes, with interlocked steel glazing bars. Steel Window Association

members also offer W40 steel windows that comply with Secured by Design requirements. The strength and security of steel windows and doors is optimised with appropriate hardware. When manufacturing new windows, Steel Window Association members provide locking devices, locking handles, concealed bolts and mortice deadlocks. Locking handles are also supplied for existing installations to provide the highest levels of security.

enq.187



Self-cleaning Double Glazed Units



New Technology ultraclear
Self-cleaning Double Glazed Units

Light Transmission (Vision Clarity) 85% Patent Pending



slimlite standard
Self-cleaning Double Glazed Units

Light Transmission (Vision Clarity) 75%

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enq.188

Manchester Student Union building



The external facade of Manchester Metropolitan University's Student Union building was the outstanding point which led to a 2015 RIBA Award. The design called for visual impact and high performance from the complete glazing package. Metal Technology's System 10 commercial doors, System 5-20D Hi+ thermally broken doors and

System 17 capped high rise curtain walling products were used to help create the aesthetic while achieving the required level of thermal performance. System 17 Curtain Walling not only provides structural integrity with high levels of thermal and weather performance but offers limitless flexibility in specification.

028 9448 7777 www.metaltechnology.com

enq.189

FAKRO design competition winner



The sixth FAKRO international architects design competition, 'FAKRO inspires – Space for new visions' has a UK winner. It tasked entrants with designing any type of building using FAKRO roof windows and available technologies. James Furzer's 'Homes for the Homeless' won a €5,000 prize with a design

which focussed on the plight of the homeless. A protected place to sleep was created using hanging 'pods' which were intended to provide an asset on both an urban and social level. Suggested adaptations of roof windows were considered to be both innovative and technically feasible.

01283 554755 www.fakro.co.uk

enq.190

VS-1 curtain walling system shortlisted for prestigious construction industry award



Innovation in facade design, manufacture and installation by GLASSOLUTIONS has been recognised by the judging panel of one of the construction industry's leading awards programmes. The company has been shortlisted in the category of 'Product Design Innovation Award – Building' in the British Construction Industry Awards (BCIA) for its new VS-1 curtain walling system and its role in the creation of the Believe in Better Building for media giant Sky. GLASSOLUTIONS was commissioned to design and install the entire building envelope by Sky, who worked in conjunction with Mace, including a centrepiece glazed facade on its main elevation for which VS-1 was the ideal choice. VS-1 is a mullion-only facade system which enables large spans of glazing to be achieved from a standard kit of parts. In the case of the Believe in Better Building, these aluminium mullions were externally mounted to support the glazing along the full length of the 51m staircase over which it rises some 15m in height. These highly engineered aluminium extrusions are secured using steel brackets at top and bottom cantilevers from the building's timber structure – this ensures a secure attachment at the top of the structure and at each floor level.

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enq.191

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enq.192

Crittall solution for listed Lidl development



Supermarket chain Lidl faced an unusual challenge with its plans to develop a store on the Lower Bristol Road, Bath. Occupying the chosen site was an empty and vandalised single storey industrial building circa 1966 but plans were thwarted by an unexpected Grade II listing.

In order to replicate the slenderness of the original aluminium fenestration a steel window system was selected for all the continuous high-level glazing. "The only choice for this was the W20 frame system from Crittall," says architect Michael Lapworth. The company supplied banks of coupled W20 and MW40 section fixed frames, double glazed in long runs. These were interspersed with bespoke insulated pressings both internally and externally.

01376 530800 www.crittall-windows.co.uk

enq.193

Steadmans provides roof and wall materials



A leading building products manufacturer Steadmans is raising a dram after supplying materials for maturation warehouses at a new malt whisky distillery on the Isle of Harris. Steadmans provided 3b construction with over 1,700 linear metres of its

40mm thick AS35 composite panels, in juniper green, for the warehouses. This consisted of almost 980 linear metres for the roofs and over 740 linear metres for the walls. The company also supplied 750 linear metres of Zed purlins, over 500 linear metres of C sections, more than 50 linear metres of eaves beams and 500 linear metres of flashings, plus fixings and accessories. Iain Barr, a director of 3b construction, said: "We've used Steadmans materials for several years and have invariably found the company's products robust and reliable."

enq.194

'The correct balance of light, thermal and solar transmission properties should be taken into account and optimised for any building design'



where light is required deep into the building or in enclosed areas that cannot be lit through an external wall. The light that enters a building can be direct light such as that which passes through clear or transparent materials, or diffused light that is created by surface textures designed to create diffusion by surface refraction, or by materials that are translucent and naturally diffusing.

It is now no longer acceptable to think purely in terms of a simple rooflight area percentage to ensure that the building achieves the right amount of daylight. Frequently it is simply assumed that all that has to be specified is a rooflight area of between 10 per cent and 15 per cent and the building will be well day-lit. However, with buildings now requiring Energy Modelling and Energy Performance Certificates, and the tools for designing daylight requirements are becoming even more sophisticated.

For any building, there is an optimum target percentage of rooflights which will deliver the optimum level of natural daylight into the building, making the optimum saving in energy usage and costs. Beyond that point, solar gain can add

to the energy consumption if powered cooling systems become necessary.

It is therefore vital that rooflights are specified correctly right at the outset; the correct balance of light, thermal and solar transmission properties should be taken into account and optimised for any building design. For example, it is no longer satisfactory just to state daylight factors for a room, as climate based daylight modelling should be used to assess the correct daylight requirement. This type of modelling takes into account the dynamic meteorological data that is now available. Indeed the Government, as recently as December 2014, published a benchmark document on the requirements for new schools to be modelled using a Climatic Based Daylight Model System. This will continue to spread to all types of building in the near future. With many Local Authorities insisting on a BREEAM assessment before they will give planning permission, it is vital to obtain the correct rooflight design, distribution and product type. Using low carbon rooflights is a good example of correct product choice because of the low embodied carbon that can have a significant effect on the BREEAM assessment.

We know that achieving a BREEAM rating of 'Excellent' as opposed to 'Very Good' can make a huge difference to the developer who is trying to let an industrial warehouse to a prospective client. We know that having a building that is well day lit will improve the efficiency productivity and reduce the absenteeism of the occupants that have to work in these buildings. We know that in the current age of building design, with good air-tightness and low U-values, lowering the use of artificial lighting is the best way the building owner can reduce energy costs.

So, when considering the design of a modern building it is vital that rooflights, rather than being an afterthought, are treated as an essential design consideration right at the start.



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enq.197



Kingspan's new technology breakthrough

Kingspan Insulated Panels has launched IPN-QuadCore, a new insulated panel core that delivers the best thermal, fire and environmental performance of any closed-cell material. Invented with a bespoke technology process that creates a unique microcell structure, IPN-QuadCore is set to bring about a fundamental shift in building performance, resulting in lower lifetime costs and enhanced environmental credentials. IPN-QuadCore delivers a 20 per cent thermal improvement over standard polyurethane insulated panel core insulation. It is the first closed cell insulated panel core to be certified to FM 4882 for use in smoke sensitive occupancies, and meets other strenuous fire performance standards. IPN-QuadCore can also help achieve an additional six BREEAM Ene01 credits for a retail or distribution warehouse, and is backed by the industry's first 40-year structural and thermal performance guarantee.

marketing@kingspanpanels.com www.ipn-quadcore.co.uk

enq.198



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Kingspan checks-in at Passivhaus B&B



Visitors to Devon can enjoy the complete Passivhaus experience at the fully certified Totnes Passivhaus B&B, retrofitted with the help of products from **Kingspan Insulation's** premium performance Kooltherm range. Kingspan Kooltherm K3 Floorboard allowed the target

U-value of $0.20\text{W/m}^2\text{K}$ to be achieved with a minimal build-up thickness. A 10mm plaster layer was applied to the existing slab and then 80mm Kingspan Kooltherm K3 Floorboard was installed by Williams & Partners, along with 20mm wood fibre insulation. Finally a 14.5mm hardwood floor was fitted. 180mm thick Kingspan Kooltherm K5 External Wall Board was fitted to the outside of the existing walls and finished with a white render.

01544 387 384 www.kingspaninsulation.co.uk

enq.200

ATAG boilers guarantee a warm welcome



Visitors to the popular Bristol Lido will have an added guarantee of warmth all year round following the replacement of four old, inefficient boilers with two **ATAG XL110** commercial boilers, the last word in super efficient, environmentally friendly heating technology.

The two ATAG XL110 boilers have a combined output of 190kW and will supply domestic hot water and heating for the restaurant, pool and spa. Featuring ATAG's tried and tested 316 stainless steel heat exchanger technology, the XL gives a class leading efficiency of 109.3 per cent (EN677), achieved through seamless upward modulation. Business Development Manager Colin Green said: "ATAG Commercial's XL boilers ticked all the right boxes".

01243 815770 www.atagcommercial.co.uk

enq.202

New guide to Stokvis Plate Heat Exchangers



A new guide to the company's bestselling range of Econoplate Packaged Heat Exchangers has been published by **Stokvis Energy Systems**. A WRAS approved product, the Econoplate is now available in over 250 models for a range of applications including domestic hot water service, low temperature hot water heating, steam-to-water, swimming pool heating and even complex process heating. Econoplate units are designed to transfer

heat from one medium to another, only requiring two fluids to make a single pass through the heat exchanger. For domestic hot water service applications hot water can be provided instantaneously, without the need for storage. The new guide includes selector and sizing charts, including a useful graphical representation of hot water service loadings for various applications.

enq.201

New Panasonic hotel controller



Panasonic has added a user-friendly remote controller to its broad range of fully integrated heating and cooling solutions for the hotel market to optimise comfort and energy efficiency. The new controller, with a simple and stylish aesthetic is easy and cost

effective to install as all electrical cables are wired back to the controller unit that sits flush on the wall. The new Hotel controller facilitates total room control with the ability to link to the Hotels BMS system with either Lonworks and MODbus protocols. This connectivity allows the option of central control of the room facilities such as room card contact, lighting, blinds and curtains, window opening and closing, as well as remote control of the room temperature using a Panasonic heating and cooling unit.

enq.203

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enq.204

For hygienic indoor air – CERTO Air Humidifiers



Thermal Energy Components (TEC UK Ltd), a division of Klingenburg GmbH, are revolutionising the way in which healthy ambient air is supplied in buildings. CERTO Air Humidifiers offer a high performance, low consumption solution with patented technology that offers a clean, yet exceptionally maintenance-friendly solution.

The components (see image, right): vortex-generating and nozzle system (1), post-evaporator

(2), agglomerator (3) and high pressure pump station (4) are optimally matched to air handling units, guaranteeing best integration into systems. Andrew Patch, country manager – UK & Ireland, TEC UK Ltd, said, “CERTO represents hygienic and safe air humidification. It meets all the hygiene requirements set out by the Association of German Engineers and does so without using chemicals such as silver ions.”

“The CERTO tolerates even high wind speeds with no loss of performance. Pressure loss is minimal and energy consumption is low. These humidifiers are also ideally suited for room air-conditioning through evaporation. We design your humidifier precisely to achieve constant 100 per cent moisture saturation for the room and air volumes present in your building,” said Patch.

The CERTO is available as a complete unit with housing, or alternatively, as an element that can be installed in any air-conditioners, making it

the ideal solution as a retrofit or for upgrading existing systems.

TEC UK is a leading UK supplier of components for air handling systems. Its highly innovative products, including thermal wheels, plate heat exchangers and gas burners, make significant contributions toward saving energy resources and reducing CO₂ emissions.

01460 247 111 www.tecukltd.co.uk



enq.205

Goosehill Hall – a challenge for Jaga Heating



Goosehill Hall is a prominent Grade II listed building in Derbyshire's picturesque Hope Valley. A recent major refurbishment was an opportunity to install an efficient and effective heating system, however conservation requirements imposed many constraints.

Jaga Strada DBE radiators were used in various bedrooms, bathrooms and living spaces. Additionally, Jaga Mini Freestanding DBE radiators were chosen to fit into pre-existing alcoves in the ground-floor dining room. Jaga's Dynamic Boost Effect (DBE) fan units are attached to the radiators' heat exchangers, drawing air over the element to increase the efficiency and responsiveness of the heating performance.

01531 631533 www.jaga.co.uk

enq.206

Enhance health and productivity with AET



Comfort and wellbeing is frequently linked to productivity in office workers. At one major AET project the Facilities Manager stated that comfort was a major consideration in selecting the system: “It is not possible to keep all of the people happy all of the time from a temperature point of

view and in the past we expected to achieve perhaps 80 per cent satisfaction. However with the AET Flexible Space system a blind study showed that around 98 per cent of users indicated they were satisfied. Quite an amazing performance”. AET Flexible Space demonstrate that well designed indoor environments can be a huge benefit to businesses and the modularity and personal control of AET Flexible Space systems could lead to enhanced health and productivity.

01342 310400 www.flexiblespace.com

enq.207

College swaps big bills for biomass



Natural energy supplier, Euroheat is helping the UK's leading agricultural and sports college save an impressive 400,000kg of carbon per year by making the switch to biomass technology in a bid to reduce its annual £800,000 energy bill, while receiving Renewable Heat

Incentive (RHI) payments of just under £80,000 per year. Simon Holden, co-founder of Euroheat, explained: “We have installed four Euroheat prefabricated Energy Cabins, each containing a 199kW HDG Compact wood pellet boiler, integrated 14 tonne pellet store and 4,000 litre accumulator. As a result, campus managers can now look forward to saving on the cost of over 150,000 litres of oil previously used on-site.”

01885 491112 www.euroheat.co.uk

enq.208

Change of focus for ATAG Heating UK Ltd



ATAG Heating UK Ltd, the Chichester-based wholly owned subsidiary of ATAG Verwarming BV, one of Holland's largest boiler manufacturers, is to focus its business towards commercial boiler sales and the domestic boiler 'new build' specification market. To avoid confusion in the marketplace, it will operate under the banner ATAG Commercial and continue to supply the UK industry through the wholesaler distribution network. ATAG Heating UK Ltd's team led by

Managing Director, Phil Bell (pictured), has been responsible for establishing the ATAG brand's reputation for quality, reliability and technical innovation since the early 2000s, distributing both domestic as well as commercial boilers.

01243 815770 www.atagcommercial.co.uk

enq.209

Air curtain at Marconi Building



JS Air Curtains has supplied a bespoke Zen air curtain for use at the Marconi Building in The Strand, London. The Marconi Building is an imposing Grade II listed building containing prestigious luxury apartments and penthouses. The air curtain was specified to match the same colour as the entrance of

the building, thereby meeting both aesthetic and functional objectives. The Zen is part of JS Air Curtains' Designer Range and has a contemporary architectural style. It can be fitted with bespoke fascia panels of different materials and any RAL colour, and can also carry signage, branding or even elements such as clocks. It is available in 0.5m lengths from 1m to 2.5m, with electric or water heaters or as a non-heated, air only model.

enq.210

Equinix chooses Munters



Equinix, one of the world's largest data centre operators and Internet exchanges, has chosen Munters Oasis Indirect Evaporative Coolers (IEC) to achieve world leading sustainable server climate control for its new London LD6 data centre in Slough. With the help of the Munters Oasis units,

LD6 will become among the most energy efficient data centres in UK. Equinix's investment in LD6 data centre utilises Oasis's award winning innovative patented indirect evaporative heat exchanger and 100 per cent natural ventilation. "LD6 is a hugely exciting project; the facility will be the most advanced data centre in the UK" said Russell Poole, managing director of Equinix UK.

08708 505 202 www.munters.co.uk

enq.212

Are you working on any interesting projects?



Laleli Misa Hotel – Turkey
See page 17

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Air source replaces ground source



When the pioneering Hebburn Eco Centre needed to replace its 20-year-old ground source heating, the building's owners turned to a cascade air source heat pump system from Mitsubishi Electric. "We looked at all the available options and the Mitsubishi Electric solution combined the best performance available with

the complete flexibility needed for the building's multi-occupant use," said Consultant Nick Harley of Minden Wood Consultants. Andrew Watts, executive director of groundwork South Tyneside and Newcastle, said: "The added benefit of using the Ecodan system is that it offers greater control for individual offices and also qualifies for the non-domestic Renewable Heat Incentive."

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Bring a burst of vibrant colour into your home



This winter, forget boring matt black stoves and fires and say hello to the new generation of colourful hand crafted wood burning stoves from **Mendip**. In line with the current trend for enamelled products and appliances, the Mendip 5 and 8 Enamel come in a gorgeous selection of shades – powder blue, claret and cream, as well as a glossy painted black multi-fuel option for wood or coal. Perfect for creating a focal point while cosying up your home this winter, this really is a stove for all seasons. As part of the Eurostove range, Mendip Stoves specialise in wood burning heaters and stoves made from the finest materials to deliver maximum heat output with outstanding performance time after time.

01934 750500 www.mendipstoves.co.uk

enq.216

Spectacular Goodlight performance



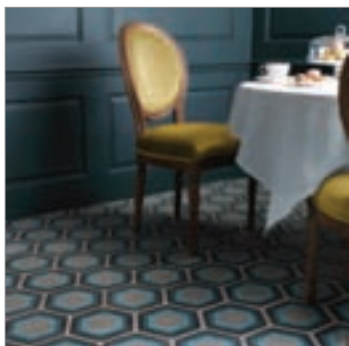
Installations of **Goodlight** 100 Watt LED High Bay lighting have transformed performances and audience experiences at two of the UK's leading theatres. Featured within many of the communal and audience areas of Liverpool's Everyman Theatre, Goodlight 100W LED High Bays are energy efficient alternatives to traditional 400W lamps. The Margot Fonteyn

Studio Theatre's original installation of 150 Watt Metal Halide units were replaced by Goodlight 100 Watt LED High Bay units. These super bright lamps, which provide huge energy savings of over 75 per cent and a 50,000 hour rated life span, are covered by a comprehensive five year guarantee.

0845 218 3786 www.goodlight.co.uk

enq.217

Modern encaustic tiles



Inspired by the European encaustic tiles of the 19th century, Serif, from **Solus Ceramics**, is a modern interpretation of a classic product.

Featuring a huge range of elaborate and simple patterns, the Serif range can be used to create beautiful designs across wide-open spaces, or to border plain tiles. The range includes both traditional decorative motifs and modern geometric patterns in a range of muted shades such as black, grey, beige and tasteful flashes of blue.

The tiles are made using the 'encaustic' technique but in contrast to their old-fashioned counterparts, Serif is made with cement. Special moulds are inlaid into the body of the tile and filled with different colours of cement.

For more information visit the company at 100% Design stand E488, or contact a member of the sales team.

0121 753 0777 www.solusceramics.com

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Listen to this!

John Spicer, technical sales manager for Armstrong Ceilings, advises seven things architects may not necessarily know about specifying ceilings

Ceilings are capable of so much more than just disguising a soffit or void. They can optimise acoustics and occupant well-being in general, help save energy by reducing a building's reliance on artificial light, and contribute towards clients' sustainability targets.

They have evolved from standard white mineral tiles into a kaleidoscope of colours, materials such as metal and wood, and shapes such as round and oval canopies, even curved mineral baffles and wall panels.

Acoustically, any room will have an optimum reverberation time (RT) requirement depending upon its use and size and whether the main activity is speech or music based. Providing too much sound absorption, and hence having a very low RT, can be just as acoustically damaging and undesirable as having insufficient sound absorption when an excessively long reverberation time will result. Office workers improve their focus on tasks by 48 per cent when speech privacy is improved.

You can calculate the reverberation time of space by using a mathematical model based upon the "Sabine" formula which takes into account the significant surfaces of a room, their respective sound absorption coefficients and the room dimensions. An acoustic module available from some manufacturers enables a simple indicative calculation to be made. Once the total sound absorption present in a room (from both planar surfaces and objects) has been calculated, an estimate can be made of the room's probable reverberation time. The installation of clouds, canopies and baffles in a reverberant space can significantly reduce the reverberation time and contribute to the reduction in background noise.



Cofunds, Essex

'The use of a 90 per cent light reflectance ceiling tile combined with indirect lighting can provide cost savings of up to 20 per cent'

The increased use of concrete thermal slabs as heat sinks rules out wall-to-wall ceilings. But not having an acoustic ceiling will mean higher reverberation times and unacceptable noise levels. The installation of canopies and baffles in a reverberant space, in sufficient numbers and layout to satisfy both technical and aesthetic considerations, can significantly reduce the reverberation time and contribute to the reduction in background noise and occupants' comfort and well-being.

According to a 2006 Brinjac Engineering study on the environmental effect of high-light reflectance ceilings, the use of a 90 per cent light reflectance ceiling tile

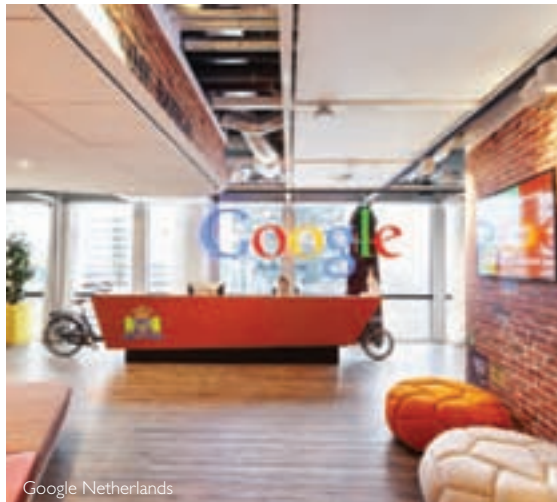
Continued overleaf...



Kings Church, Amersham (Photographer John Short)



Paddington Station



Google Netherlands



CoFunds, Essex

combined with indirect lighting can provide cost savings of up to 20 per cent, equating to as much as an 11 per cent reduction of the energy buildings use, compared with a standard 75 per cent light reflectance tile. Canopies installed over an individual working place can improve the light reflection over that space and provide improved user comfort without affecting other areas.

5 It is now possible to calculate (according to ISO 14021) exactly what degree of recycled content a ceiling tile comprises, and recycling schemes such as those for the off-cuts from new installations and end-of-life tiles from refurbishment and strip out projects, both of which divert waste from landfill, will increase this ratio exponentially. Some ceiling tiles comprise more than 70 per cent recycled material and some ceiling systems are capable of achieving an Ecopoints rating of 0.16.

6 Standard ceiling tiles can not only be used to hide or integrate service elements such as lighting fixtures, loud-speakers, air diffusers, chilled beams and sprinkler

systems, but provide minimal grid visibility for a clean and monolithic ceiling finish. The system can also be integrated into canopies to offer design solutions for thermal mass and is flexible enough to allow the re-configuring of room layouts and service element positions without moving ceiling panels.

7 Fire resistance in a suspended ceiling can only be achieved by a combined tile and grid system as there is no such thing as a fire resistant tile or a fire resistant grid. Depending upon national legislation, the type of structure to be protected (steel, wood or mezzanine) and a manufacturer's product offer, ceiling systems can typically provide at least 30 and more than 60 minutes' protection. Full details of the ceiling type and construction, protected structure and tested time are given in fire reports available from the manufacturer.

Far from perhaps being perceived as the poor relation of a new-build, fit-out or refurbishment, they are now capable of delivering stunning aesthetics that also meet onerous acoustic, thermal and sustainability requirements.



PizzaExpress Richmond



Commons Building, Manchester

Armstrong Ceilings prove just the tonic



The new Queen Elizabeth University Hospital in Glasgow is a benchmark project for many reasons. One is its size – the largest hospital building project in Europe, and another its design by IBI Group – which is colourful and brave in its use of internal “floating” cantilevered pods, among other elements. It is equally ground-breaking in the background, being the largest off-cut recycling project to date by Armstrong Ceilings who diverted more than 35 tonnes of mineral ceiling tile off-cuts from landfill. It was also the largest project to

date featuring elements from Armstrong’s service and systems portfolio.

0800 371849 www.armstrong-ceilings.co.uk

enq.222

Polyflor helps freshen up Halton Hospital



Polyflor’s vinyl flooring has helped create a fresh, clean and welcoming environment at a new urgent care centre at Halton Hospital in Runcorn. Polyflor’s Pearlazzo PUR highly durable sheet vinyl flooring and Polysafe Wood fx PUR safety flooring were installed throughout

the facility. Pearlazzo PUR sheet vinyl flooring in complementary fresh shades of Lemon Ice 9702 and Mint Crisp 9706 were used in corridors, nursing stations, reception areas and waiting rooms. As a contrast to the pastel tones used in corridors, Polysafe Wood fx PUR safety flooring in Warm Beech 3297 was fitted in the treatment rooms. The Wood fx range was an ideal choice for creating inviting, non-clinical spaces with the added benefit of sustainable wet slip resistance.

0161 767 1111 www.polyflor.com

enq.223

More Polyflor BIM objects now available



Polyflor, one of the UK’s leading commercial and residential vinyl flooring manufacturers, is pleased to announce that it is now offering even more of its best-selling ranges as downloadable Building Information Modelling (BIM) objects. Free to download from the Polyflor website and RIBA National BIM Library, a selection of some of the

new BIM objects available include Polyflor’s innovative Expona Flow sheet vinyl flooring, Expona Control luxury vinyl tile and SimpLay loose lay tile ranges among others. These new BIM objects have been developed for the marketing leading Revit Architecture and IFC software formats.

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enq.224

GEZE UK helps Council open to everyone



When a grade II listed building in Derby was renovated, more than 200 reliable and efficient manual and automatic door operators were needed that would ensure ease of use while closing effectively for security reasons. Satisfying this requirement was

the challenge faced by GEZE UK at Derby City Council’s offices when it was commissioned to supply a range of automatic door operators as well as manual door closers. Automatic door operators were chosen for the internal doors so that swipe cards could be used to restrict access to certain areas of the building. Throughout the rest of the building, doors were fitted with GEZE’s manual range of overhead closers. More than 175 TS 2000 NVs were installed.

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enq.229

Urmet provides security at former college



Urmet's IPvoice video entry and access control solution has been installed at St Joseph's Gate, an apartment complex located at a former foreign missionary college in Mill Hill, London.

The system was chosen for the redevelopment of the Berkeley Group's site due to its simple installation process and the ability of Urmet products to blend with the Grade II-listed architecture. Residents and visitors benefit from Urmet's digital video door entry panels, which communicate with touchscreen iModo monitors inside the apartments. The Power over Ethernet (PoE) external panels are Urmet's Elekta Glass units, housed in a design that has minimal visual impact on the building.

marketing@urmet.co.uk www.urmet.co.uk

enq.230

C-TEC'S revolutionary ZFP fire panel



C-TEC's revolutionary touch-screen controlled ZFP fire panel is now in residence at Manchester's magnificent Gotham Hotel. Two 4-loop ZFP addressable fire panels protect the luxury hotel which has 60 bedrooms and four £300-a-night suites featuring 'indoor gardens'.

One panel is located in the basement and one is situated in the permanently manned Manager's office to ensure staff are notified of any incidents. A stylish ZFP compact controller in reception displays the status of the fire alarm system at a glance. A CCTV security system, access control system and one of C-TEC's SigTEL disabled refuge systems have also been installed at the hotel.

enq.231

FDS Consult Provides Substantial Savings for £250m Brighton Development



A bespoke fire safety solution from FDS Consult, one of the UK's leading experts in fire engineering, has provided the first phase of a £250 million mixed-use development in Brighton Marina with significant cost and space savings. The project will include a total of 853 apartments, 3 levels of car parks constructed from the sea bed, and over 2,000m² of shops and leisure space. Appointed to the project by main contractor Midgard Limited, FDS Consult was tasked with justifying a number of design considerations while maximising safety for the occupants of the site's commercial spaces and 195 apartments. Through the use of Computational Fluid Dynamics (CFD) Modelling, FDS Consult was able to demonstrate the effectiveness of its proposed designs for the development's residential, retail and parking areas, while meeting all relevant British Standards and regulation documents. Although one of the residential buildings was initially set to include two staircases, FDS Consult was able to provide significant space and cost savings through the inclusion of mechanical smoke ventilation shafts in the building's design, increasing the amount of saleable space available by proving that the use of a single staircase is sufficient to allow the safe evacuation of the building.

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Looking at how security fencing can have a positive impact on the built environment

Security fences are often disdainfully labelled as unsightly, heavy duty and imposing structures. Specifying a security fence though does not need to involve compromising the overall aesthetics of a site says CLD's business development manager



'The security fencing around the Manchester site is only 36 per cent solid, meaning that 64 per cent is open to daylight and conforms to Secured by Design'

The Etihad Training Complex, belonging to Manchester City Football Club, is a prime example of how security and sports fencing can tackle practicality and aesthetics head on.

It is easy to be 'put off' at the gloomy image conjured by the description of a site boasting over 3,000 linear metres of security mesh fencing; however, the reality that greets any visitor walking through the Complex is far from this. The security fencing around the Manchester site is only 36 per cent solid, meaning that 64 per cent is open to daylight, allowing the enclosed area to harbour a bright, clean and open atmosphere which will only be reinforced by the planting of 2,000 mature trees to add a further level of privacy to the already tranquil set up. From the distance of the nearby canal it would be hard to

guess that the 3,000 linear metres of perimeter fencing conforms to Secured by Design and LPS1175. It is only upon close inspection that the true nature of the mesh is realised by the 12.5mm wire spacing; the component which denies potential intruders any footholds thus making it difficult to climb.

The client's vision of the Complex relies on the projection of the ethos of the brand and the new complex models this perfectly with an unmistakable balance struck between the practicalities of image and sporting application. Surrounding the pitches, 800m of netting and 750m of rebound fencing ensure cost effective ball containment and rebound properties while the spectator rail facilitates the corporate advertising. Advertising banners can be attached to the mesh infill of the

Continued overleaf..



Sports Rail; a system which has been endorsed at other premier football clubs such as Tottenham Hotspur where it has proved itself to be an invaluable and versatile system.

All of the fencing and gates installed at the complex match in RAL colour which provides a professional and uniform look, contributing greatly to the overall sense of unity and cohesion. The Bi-Folding Gates, seen at every vehicular entrance to the site, not only provide the additional security required and high speed operation, but a professional image. Despite the great height and width, their cedar over clad allows them to welcome visitors and players alike with an overwhelming sense of opportunity and grandeur which only increases when walking through the complex.

Security fencing has evolved. The caged-in, foreboding image of high-level security has been transformed and today it recognises and strives to meet the condition that appearance is key. The wall between security and looks has been removed by innovative designs. With 2D CAD Drawings, NBS Specifications, 3D Revit Drawings, Face to Face meetings, site appraisals and feasibility studies there is no reason why specifying a security fence should be a troubling task for any project. A security fence can be manufactured to handle the diversity of demands for any site. Architects, working in conjunction with manufacturers can ensure that the fencing, adds to the architectural appeal of the complex.

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Pencil Bin gets top of the class for recycling



Leaffield Environmental is launching a new, pencil shaped novelty bin for the school environment. The brightly coloured pencil range have been introduced in response to customer demand, specifically for children aged 3-8 years to encourage recycling. Ideal for both indoors and outside, and manufactured in durable polyethylene for a long and useful life, each pencil bin has a 70 litre plastic liner inside to assist easy and clean emptying and disposal. Optional

extras include: WRAP compliant recycling label, a lock, steel liner and ground fixing kit. The range is priced from £140.

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Conquer your litter problems with Invicta™



Invicta is new to the Glasdon UK range of metal litter bins. It is manufactured from 2mm thick mild steel with Armortec® coating, which gives Invicta an incredibly strong construction and outstanding durability. The high quality of these materials offers excellent resistance to vandalism, coastal sea spray and annual road gritting salt. This minimises the requirement for expensive refurbishment that is often associated with metal litter bins. In order to allow easy access for the operator to empty Invicta litter bin,

it has been designed with a large front opening hinged door. This reduces manual handling issues as the liner does not need to be lifted to be removed from the bin.

01253 600410 www.glasdonlitterbins.com

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Jeckells 'branch out' into educational shade sails



Jeckells the Sailmakers has recently installed a very unusual shade sail at the Holly Lodge Centre in Richmond Park to help educate children about the great outdoors. The brainchild of Stewart Perkes at the centre, Jeckells created a giant

leaf from green nylon sewn into mesh to give the impression of the leaf floating in the air. The mesh was attached to four surrounding trees with special non-invasive Velcro 'tree gaiters'. The icing on the cake is 'Hannah' the caterpillar, who appears to have chewed a hole in the leaf for added authenticity!

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For heavy duty use and load bearing then the company's Grasscrete or Grassblock can be utilised – typically commercial car parking. Hard wearing and sustainable these two concrete systems are designed to last – Grasscrete is cast on-site whereas Grassblock comes as pre cast blocks. Grassroad plastic paving has become a proven system designed for use where light trafficking applications are called for – secondary parking in driveways and grass verge hardening and embankments. Grassroad is a unique honeycomb hardened structure, a tough hard-standing material and offers a very easy to lay option that can achieve 95 per cent grass coverage. Wakefield based Grass Concrete Ltd is an expert in external works and grass landscaping. Talk to the experts of 40 years to find out more.

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Hauraton channels used as perimeter drainage at Brooke Church of England School

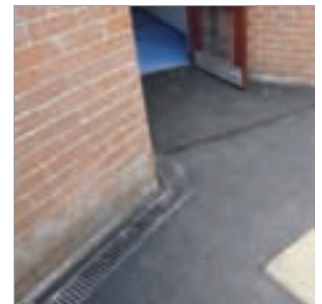
Located in Brooke village about six miles South of Norwich, The Brooke Church of England Primary School is a brick building surrounded by an asphalted playground which tended to flood when there was heavy rain. As part of a number of measures designed to reduce future flood risk it was decided that the existing drainage needed to be upgraded.

The **Hauraton RECYFIX® PRO 100** channel system, fitted with **FIBRETEC® C250**, **HEELSAFE 9mm** slot gratings was specified by NPS Group of Norwich, and used to provide perimeter drainage right around the school building. This continues 104 metre channel run not only drained the asphalt playground it prevented standing water reaching the walls and acted as a drain for roof downpipes.

The **FIBRETEC®** grating design helps eliminate any cross-flow over the grating and important consideration for the Brooke project. The **RECYFIX®** channel component is made from 100 per cent recycled PE-PP. The channel for the Brooke project has an intake cross section of 92 cm².

For full Case Study please go to www.drainage-projects.co.uk

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