

building construction design

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February/March 2015

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Cover image courtesy of
Brick Development Association.
See page 12 for details



cpd focus

continuing professional development

Maintaining and improving professional competence, skills, abilities and knowledge

SOLID SURFACES - FOR INTERIOR AND EXTERNAL ARCHITECTURE



CD (UK) - The seminar is 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 Solid Surface characteristics; From production to fabrication process; Properties of Solid Surface; Architectural and Design possibilities; Current applications (visuals); Environmental considerations; Support, warranty and service infrastructure.

0113 201 2240
www.cdukltd.co.uk

SWISH BUILDING PRODUCTS CPD SEMINARS



Swish Building Products is one of the UK's leading suppliers of PVC roofline and cladding. This includes fascias, bargeboards, window boards and trims, internal and external cladding, and rainwater. Swish is accredited with Energy Management Certification ISO50001 in addition to the responsible sourcing certification BES6001, ISO9001, ISO14001 and OHSAS18001. Swish holds CPD Seminars focusing on sustainability and the low-maintenance benefits of cellular PVC.

01827 317 200
www.swishbp.co.uk

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

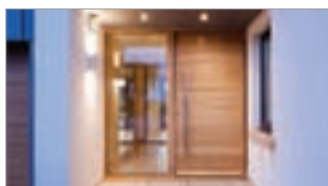
CELLECTA CPD SEMINAR



Eager to increase your knowledge of acoustics, soundproofing insulation and Part E Acoustic Building Regulations? Then look no further than **Cellecta's** RIBA certified sound proofing insulations CPD. Covering the fundamental characteristics of Part E, and providing guidance on soundproofing all types of new build and refurbishment floors and walls, Cellecta's CPD is an extremely valuable resource for all individuals involved in specification.

0845 671 7174
www.cellecta.co.uk

URBAN FRONT ANNOUNCES NEW WORKSHOP TOUR



Urban Front has announced its Workshop Tour, launching early next year. The workshop tour 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; and an understanding of the various issues related to making doors.

01494 778787
www.urbanfront.co.uk

NEW CPD SEMINAR FROM ZEHNDER



Zehnder, a leading manufacturer of indoor climate solutions has updated its RIBA and CIBSE approved Radiant Heating and Cooling CPD as part of its on-going commitment to train and inform the Architectural, Engineering and Construction Industry. The CPD seminar explains the principles of radiant heating and cooling, how they affect comfort levels for building occupants, and examines the usage and installation benefits of radiant technology.

01276 605800
www.zehnder.co.uk

ACRYLIC BASED SOLID SURFACE AND PERFORMANCE DOOR BLANKS



James Latham's CPDs on *Acrylic Based Solid Surface* and *Performance Door Blanks*, have both been developed in conjunction with the RIBA. The performance door blanks CPD focuses on five key learning aims and addresses the concept and significance of performance door blanks. The acrylic based solid surface CPD provides a greater understanding of this versatile material and its applications.

0116 257 3415
www.lathams.co.uk

Fila treatments take centre stage at SDS



Natural surface care specialist, **Fila** will be showcasing its award-winning Green Line and new innovative treatments at the Surface Design Show 2015. Product focuses will include LEED-approved, solvent-free sealer – FILAMP90 ECO PLUS – which protects polished and unpolished stone and polished porcelain, as well as Fila's range

of high performance cleaners. A new protective dirt-barrier – FILASTOP DIRT – will also be on show, demonstrating the breadth of Fila's high performance range, which recently received ISO 14001 certification – and is the 'number one' surface care solution, recommended by 200 leading brands.

01584 877286 www.filasolutions.com

surface design show stand no 348

Schöck launch Building Physics Handbook



Pick up a free copy of the new *Building Physics Handbook* on Schöck's Ecobuild stand. It deals with various aspects of thermal bridges in buildings; the product solutions available and how they meet demanding codes and regulations. All based on independent performance testing, to guarantee you "verifiable thermal break technology you can trust".

Schöck features its unique Cool Fridge Model. See and feel a thermal break in action by simulating the effects of thermal break elements in a realistic environment. Products on show are the increasingly UK specified premium Isokorb solution – the KXT and the tried and trusted Isokorb types K, KS and KST.

01865 290 890 www.schoeck.co.uk

ecobuild stand no N3040

Ancon



Ancon, specialist in the design and manufacture of high integrity steel structural fixings, will introduce its new Acoustic range of cavity wall ties and shear load dowels at the UK's leading sustainable construction event, Ecobuild 2015. Having tackled various causes of cold bridging with innovative fixings that improve the thermal performance of a building and reduce energy use, Ancon has now turned its attention to improving the sound resilience of our structures. Visit Ancon on stand

N3090 to see examples of all new products and to speak to a technical advisor about your projects and performance specifications.

Tel: 0114 275 5224 www.ancon.co.uk

ecobuild stand no N3090

Timeguard



Wherever you need an F.C.U (Fused Connection Unit), it makes sense to provide the added benefit of "energy-saving time control" with the flexibility of push-button manual override and programmable On/Off times especially when all the functionality is encased in a single-gang unit and backed by the Timeguard five year guarantee.

For more information on Timeguard's F.C.U or any other products in the Timeguard range, please contact the company directly on the number below or visit the website.

Tel: 0208 452 1112 www.timeguard.com

Environmentally Friendly Wastewater treatment



Advanced Aeration Ltd offer a full range of sewage treatment systems for domestic, commercial and industrial waste water applications and also for major water utilities.

The environmentally friendly Bio-Bubble system produces a very high quality effluent suitable for re-use or, without any further treatment being applied, can discharge to a watercourse. Also, sludge waste production is far lower than conventional forms of treatment meaning far fewer tankers. Over the years, Bio-Bubble have continued to offer a robust solution to environmentally sensitive and specialist sites.

T: 023 9220 0669

E: sales@bio-bubble.com

www.bio-bubble.com



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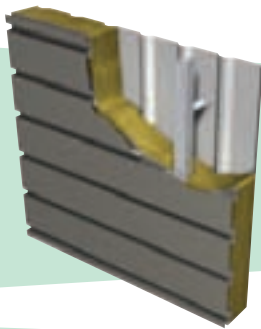
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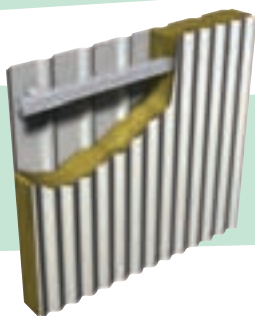


Our two most recent innovations are the new Opus panel and sinusoidal profiled sheet.



Opus is the new plank panel that is available as part of an Elite system, a LINEAR Rainscreen and a LINEAR Rainspan system, as well as being ideal for use as a soffit plank.

Investment in state-of-the-art manufacturing machinery enables us to provide the increasingly popular sinusoidal profile on a short lead time and at a competitive price.



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 **confidex**

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We know you don't stay ahead by standing still. To keep moving forward we're always innovating; whether through new product development, process improvement or service enhancement.

Innovation provides you with roofing and cladding solutions that are as ground-breaking as they are practical and as valuable as they are cost-effective. Put simply we innovate to provide products that are relevant and useful to you.

Some of our recent product innovations include Vieo, Opus, sinusoidal cladding, integrated solar panels, transpired solar collectors, and a more efficient stainless steel halter for standing seam roofs.

A culture of innovation is present throughout our supply chain, with Elite Systems using only Colorcoat HPS200 Ultra® and Colorcoat Prisma® from Tata Steel. These Colorcoat® products come with the Confidex® Guarantee offering extended cover for up to 40 years on Colorcoat HPS200 Ultra® and up to 30 years on Colorcoat Prisma®. Colorcoat® products are certified to BES6001 Responsible Sourcing standard.





The market place for green building innovation

Self-builders keen to procure new services and solutions should head to Ecobuild 2015 (3 to 5 March 2015, ExCeL London) where the latest innovations will be on display from over 400 leading companies across the sustainable built environment

From future construction materials, lighting and technical solutions, to solar, low carbon, resource management and energy efficiency and generation, Ecobuild is the marketplace for green building.

Innovation is set to be at the forefront of Ecobuild as it signs a new partnership with retail giant Marks & Spencer (M&S) to highlight innovative products and solutions from across the sustainable built environment.

Following overwhelming feedback from Ecobuild's visitor community that innovative new products and solutions are a key reason to attend the event, Ecobuild 2015 will incorporate a curated innovation exhibition around one of the arenas.

As the industry puts pressure on new materials to drive innovation and rebuild the UK supply chain, Ecobuild will showcase the latest sustainable, low carbon building materials and technologies predicted to meet this need.

Fostering innovation at every level, Ecobuild's *Dragons Den* style event will showcase companies pitching their new ideas and innovation to a panel of industry experts. For 2015 this will be elevated to a conference session held in one of the two arenas. In conjunction with the UK-GBC, Ecobuild will launch the search for the best innovations and the judges will whittle these down, who will present live at Ecobuild.

M&S is also sponsoring the Innovative Product of the Year category in the inaugural Ecobuild Awards. Produced to celebrate innovation across the sustainable built environment, Ecobuild exhibitors can enter the following categories; Ecobuild Sustainability Personality of the Year; Ecobuild Sustainability Initiative of the Year; Ecobuild Innovative Product of the Year and Ecobuild Workplace and Wellbeing Initiative of the Year.

Looking forward and gazing boldly back, Ecobuild, with the support of M&S, will examine the barriers which have slowed innovation in the construction industry in the past and lay on a range of sessions to empower the industry to strip them away.

Water

Responding to demand from over 6,000 Ecobuild attendees keen to specify water management and efficiency solutions, organiser UBM will deliver its strongest offering ever in 2015 with a dedicated water area and content programme.

Significant investment is being injected by both Ecobuild and the industry to showcase the latest consultancy and services, water efficient and water recycling products, and water infrastructure innovations.

Ecobuild's official water sponsor Wavin and its brands Hep2O and OSMA will be out in force at the 2015 event. They will be joined by a growing number of brands now committed to the event including ACO, Rainwater Harvesting Ltd, Balmoral Tanks, Biorock and Alutec.

Green energy

For buyers keen to procure renewable technologies, Ecobuild is the place to visit. As the UK's premier energy event, over 140 brands will be showcasing the latest solutions. Of particular note is Practical Installer run by Plumb Center, which will focus on biomass and heat pump technologies. As the importance of energy storage rises up the agenda, buyers should visit the Solar City theatre where sponsor SMA Solar will be launching some new energy storage solutions.

For further information or to register for your free ticket to Ecobuild, please visit:
www.ecobuild.co.uk





ecobuild

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Kemper System to showcase at Ecobuild

Liquid waterproofing specialist Kemper System will be showcasing its comprehensive range of BBA-certified Kemperol liquid roofing and waterproofing systems on stand S3090 at this year's Ecobuild (3-5 March), along with its Stratex warm roof and KemperGro green roof systems.

The only cost effective, solvent-free and completely odourless cold liquid applied waterproofing system available in the UK, Kemperol 2K-PUR will, once again, take centre stage on Kemper System's Ecobuild stand.

Around 80 per cent of the applied polyols (or resins) in Kemperol 2K-PUR are obtained from the seeds of the tropical castor plant (*Ricinus Communis*), a renewable resource. Perfect for use on sustainable construction projects and ideal for live projects on occupied buildings, such as schools, hospitals, food factories or office buildings, Kemperol 2K-PUR allows work to take place without the need for evacuation or closure, avoiding the disruption associated with the strong

odours and fumes from many 'low-odour' or solvent-based products.

Stratex from Kemper System will also be on show at this year's Ecobuild. An integrated warm roof that offers exceptional performance, Stratex is supplied as a complete system of matched components – vapour barrier, insulation and waterproofing. It is as equally suited to concrete, timber and metal decks on new build projects as it is to refurbishing and upgrading existing roofs. Stratex is also ideal as a complete warm roof solution below an extensive green roof.

Kemper System's KemperGro green roof system will also be among the products on show at Ecobuild, bringing together a unique combination of recycled, renewable and sustainable components to provide a complete waterproof roofing and green roof system with a single source specification. Designed to provide a solution to meet local climatic conditions, aspect, biodiversity and specifier preference, KemperGro can be custom-specified to meet any requirements.

Stuart Hicks, UK marketing manager of Kemper System comments: "Our product range is designed



primarily for use in new build, maintenance and refurbishment projects. Kemper System's waterproofing and surfacing products have protected billions of square metres of roofs around the world over the past 50 years, including some of the world's most important landmarks, iconic buildings, public and commercial properties."

01925 445532 www.kempersystem.co.uk

ecobuild stand no S3090



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ECOBUILD London
Stand N3112/Entrance N4





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www.solarfocus.eu

ecobuild stand no N3112

www.solarfocus.eu

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To celebrate Franke Sissons' 230 years of design, innovation and manufacturing in Chesterfield the company has commissioned a stunning new stainless steel sculpture for the town. Franke Sissons' invited students of Parkside Community School to come up with concepts and designs for the project estimated to be worth in excess of £5,000. The new sculpture is situated in the town's pocket-park. Managing Director, Andy Dukelow said: "We wanted something that truly reflects the manufacturing pedigree and history of the area, our own excellence in stainless steel but that most importantly engaged with young people and inspired them."

ws-marketing.gb@franke.com www.franke.com

Hunter Douglas showcases innovation



Hunter Douglas will be exhibiting at the ground-breaking Architect@Work at London Olympia on January 21 and 22 2015. Architect@Work provides a new format for companies to showcase their products and services. Hunter Douglas will be displaying its innovative BXD ceiling, flat folding shutters and QC200 facades. The innovations showcased by Hunter Douglas have been presented for approval to a judging panel of architects and interior designers prior to the event. The company will have representatives on the stand with extensive technical knowledge who are able to provide visitors with the ideal solution for their specific case.

01604 766251 www.hunterdouglas.co.uk

Metrotile



Area sales manager Rod Glen has joined lightweight steel roofing firm Metrotile UK, with the aim of helping to continue the company's 30 per cent growth from 2014 into 2015. More than half of Metrotile UK's growth last year, 18.3 per cent in all, came in Scotland, Northern Ireland and the north of England, under the eye of Glasgow-based regional director Mark Kelly. Mr Kelly's performance contributed to sales of 1.16 million tiles nationally by the end of last year, with record turnover figures of £7.1 million with forecasted nett profits of £679,000. Mr Glen said: "I'm looking forward to my new role."

Tel: 01249 658514 www.metrotile.co.uk

Schueco UK achieves IIP gold status



The UK Commission for People and Skills, the body responsible for Investors in People – the UK's premier people management standard – has awarded Schueco UK Limited, Britain's foremost specialist in

aluminium systems for the building envelope, IIP Gold Status. Achieving the prestigious Gold status further enhances Schueco's reputation as a highly successful, well-run company that achieves ambitious business goals while being totally committed to the well-being of its staff. The company became an accredited IIP organisation in 2010 and achieved Silver Status in 2012. Managing Director Mike Lane sums up: "Investing in people is central to our culture, values and success."

01908 282111 www.schueco.co.uk

Gilgen Door Systems wins £1.5 million Louvre Abu Dhabi contract



Gilgen Door Systems has won a landmark £1.5 million contract to supply high-security shutters, sectional overhead doors and security grills for the new 24,000 sq m (260,000 sq ft) Louvre Museum in Abu Dhabi, UAE; one of the World's highest profile building projects. Due for completion in 2015, Louvre Abu Dhabi will be a cultural institution of global importance, housing priceless works of art from around the world. The contract includes the supply of SR4 security rated shutters providing high levels of physical protection and operational efficiency for the museum. Manufactured in the UK and meeting 'Police Preferred' and 'Secured by Design' standards, Rolegard high security shutters help facilities to reduce security threats through proven target hardening measures. Tested by BRE against anti-jacking, prising, gouging, impact, cutting and drilling, the Rolegard SR4 security shutter was the first to achieve LPS1175, Issue 7, Level 4 certification and is the only one to have passed a supplementary test for stainless steel profiles. The Rolegard units will be supplied in a variety of sizes up to 7 metres high by 8.2 metres wide. Each shutter is electrically operated and interfaced with the building control centre and security system, enabling full control over opening and closing sequences.

0800 316 6994 www.gilgendoorsystems.co.uk

Elementary my dear... "SIMONSWERK"



The TRITECH solid brass hinge from SIMONSWERK has been used on the entrance door to the home of the Sherlock Holmes museum. The museum has over 100,000 visitors pass through the doors each year, which over time had worn out the existing hinges on the door. The TRITECH solid brass hinge was specified as the ideal solution due to its unique concealed bearing and suitability for heavy traffic doors. Opened in 1990 the museum gives visitors the chance to sit in Sherlock Holmes' fireside armchair and enter his bedroom adjoining the study with Doctor Watson's room on the second floor. According to the stories written by Sir Arthur Conan Doyle, Sherlock Holmes and Doctor Watson lived in the Victorian lodging house at the world's most famous address, 221b Baker Street, from 1881-1904. The TRITECH solid brass hinges incorporate a 25-year performance guarantee, high performance, maintenance free concealed bearings and a weight carrying capacity of 160kg – Grade 14. TRITECH hinges are available with CE marked and 60- or 30-minute fire rated options. The comprehensive range of finishes now includes a corrosion resistant PVD finish ideal for entrance doors which have to withstand the many varied effects of weather. SIMONSWERK is one of Europe's leading hinge manufacturers with a history spanning over 125 years.

0121 5222 848 www.simonswerk.co.uk

Signbox branding for stylish refurbishment



Signbox has collaborated with interior designer Resonate Interiors to implement an eye-catching refurbishment of the commercial reception area at the Paternoster House office complex in Paternoster Square, City of London. The architectural

sign specialist was fundamental in executing a challenging signage project that has greatly enhanced the property's conspicuousness in a historic area within the British capital. The pallet of the design was minimal and stylish, with the use of timber, copper and grey stone. The vivid colours of the glass manifestation juxtapose with the light cream interior brickwork and neutral grey tile floor.

01784 438688 www.signbox.co.uk

Kinspan Tarec®'s model for success



Kingspan Tarec® is pleased to announce that its Kooltherm® FM Pipe Insulation and Insulated Pipe Support Inserts are now available as a freely downloadable BIM object from the BIMStore, www.bimstore.co.uk. Kingspan Tarec's Kooltherm® FM Pipe Insulation object is the first product specific pipe insulation to be included on the BIMStore

and includes a range of pipe lengths and sizes in the leading Revit format. The product object provides a far greater level of technical detail than a generic BIM object. This allows specifiers, mechanical engineers and installers to maximise cost savings by taking full advantage of the benefits offered by Kingspan Tarec®.

01457 890400 www.kingspantarec.com

Nu-Heat showcases acoustic UFH solutions



Nu-Heat will be showcasing its range of acoustic UFH solutions at this year's Ecobuild. The company offers several acoustic UFH systems that have proved popular in the commercial sector, helping specifiers to comfortably meet acoustic requirements with minimal height build-up that also incorporates a luxurious and efficient heating system in

one single solution. Nu-Heat's innovative acoustic range includes: acoustic UFH solutions that comfortably exceed Part E; systems that are simply installed directly over a level screed section or structural working deck; and low height acoustic solutions, saving around 70mm compared to typical acoustic batten solutions.

01404 549770 www.nu-heat.co.uk/acoustic

ecobuild stand no N1174

New Kids-Only workwear collection



Snickers innovation at its best – a range of workwear so that kids can emulate their mums and dads! The Snickers Kids-Only collection of working clothes is a selection of top quality garments that delivers exceptional protection and comfort for the most demanding of users. They're clothes that mirror Snickers' working clothes for professional tradesmen and women, allowing their kids to look just as rugged as

their parents. These garments aren't just a great idea, they've been designed and manufactured in response to increasing demand around Europe, allowing the next generation of Snickers users to experience great gear as they grow up.

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1. Go to: www.labc.co.uk | **2. Click on:** Registration Schemes | **3. Then:** Construction Details

PUNK



For tradesmen, time is money when on the job, but with a PUNK accessory in your power tool you'll be at peak performance every time. The new highly disruptive PUNK range has been designed to give you the power to tackle any job, no matter how tough. The new PUNK 24pc Assorted Set gives you the ammunition to tackle whatever the job demands, be it drilling through masonry, concrete, wood or metal. To celebrate the launch, PUNK will be offering trades-

men the chance to receive a range of free product samples. Visit the website each month to find out the latest sample.

Tel: 0115 938 9000 www.punkpower.co.uk

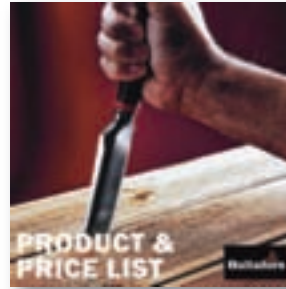
Wild weather work gloves



The most important tools that you have on-site are your hands. That's why it's so important to make sure they are properly looked after during the winter. Snickers now have a range of work gloves that cope with even the harshest of weather conditions. From tough, hard-wearing Weather Essential gloves to Weather Cut Protection gloves, these top-quality Snickers products will keep your

hands protected and warm. There's eight styles in the range that will suit all working environments and weather conditions, including the Weather Dry Glove, which is made to deliver precise dexterity, friction and grip even in wet, cold and slippery conditions.

Hultafors



Hultafors Tools' new product catalogue is now available free to professional tradesmen. It's packed with details of innovative hand tools and accessories for working effectively wherever you are on-site. Everything in the Hultafors Tools range bears the hallmarks of the company's 100 years' experience in knowing what it takes to get a job done efficiently, effectively and safely. Proof of Hultafors' quality and innovation can be found in every tool.

Ergonomically crafted with built-in Fisco technology, there's a host of tools for measuring, marking, chopping, striking and levelling. So, whatever job you've got in hand, these tools deliver top-class solutions for making your workday easier.

Rainwater harvesting from Wilo



Wilo is targeting 2015 as the year to take rainwater harvesting seriously. Wilo offers tried and tested domestic and commercial rainwater harvesting options and is seeing major take up of RWH systems, particularly in Scotland and Northern Ireland where it has

been responsible for some major projects including the Belfast Met project in the Titanic Quarter in Belfast and the Aurora Aquatic and Leisure Complex in Bangor. Find out more on the website.

01283 523000 www.wilo.co.uk

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Floodcheck is an award winning installed device which protects properties from frozen pipes, forgotten tap pipe bursts and leaks, as well as escape of water disasters and flooding. Floodcheck turns off water automatically with its time out, freeze protection, excess flow and non-use functions. Benefits include:

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www.planet14landscapes.co.uk



Seven Hauraton drainage systems at Waitrose Boughton, Chester



A beautifully designed Waitrose supermarket with a sales floor of approximately 2,790 sq m has been opened at Boughton, Chester. The development has a 192-space customer car park plus smaller retail units and a pedestrian footbridge included in the scheme. The supermarket and surrounding area has achieved a BREEAM Excellent rating. With extensive paved, concreted and asphalted areas, surface water drainage was an important consideration in the general landscaping of the site.

Aesthetic demands meant the surface water drainage for the paved concourse, facades and pedestrian walkways had to be as unobtrusive as possible yet fully meet the drainage requirement. This was achieved by installing Hauraton RECYFIX® Standard slotted channels fitted with two types of stainless steel covers; symmetrical and asymmetrical. RECYFIX® Standard channels with Elegance stainless steel perforated gratings were also used along the colonnade at the rear of the building.

RECYFIX® Plus 100 channels with Heelsafe ductile iron gratings were installed at the entrance to the under-croft car park with FASERFIX® KS channels used to drain the car park itself.

Two sizes of RECYFIX® Pro channels fitted with FIBRETEC® gratings were chosen for the area around the plant room.

For the full case study go to www.drainage-projects.co.uk



01582 501 380 www.hauraton.co.uk

Banbury Station car park benefits from Berry Cladding



The exterior cladding on the new Banbury Station car park in Oxfordshire has been designed to help the building blend into its environment and was installed by car park specialists **Berry Systems**. McNaughton Architects reduced the impact on the local environment by specifying Glass Sto Panels for the exterior cladding. This means that the residential properties opposite the car park are reflected on the walls of the steel framed, four storey structure. Berry Systems formed part of the design team for this, together with McNaughton and the main contractors, Osborne. Hill Cannon designed the superstructure which was erected by James Killelea. The panels consist of toughened glass bonded to a carrier board attached to an stainless steel and aluminium rail carrier. They are manufactured off-site which aids quality control and reduces on-site installation time. As well as the Sto Panels, Berry systems also supplied and installed the capping panels, soffits, internal perforated metal infill panels, the link bridge security and access gate, rail side security mesh and, of course, the vehicle safety barriers for which Berry Systems are renowned, on all the ramps. These barriers consisted of RB1 spring steel buffers supporting a Berry Beam barrier, anti-climb mesh and integral pedestrian handrail.

01902 491100 www.berrysystems.co.uk

Family home in East London scoops top award



A Georgian end-of-terrace in Wapping, East London, sympathetically restored and newly extended to create a contemporary family home, won the Best Housing Development 1-5 Units category at the 2014 Brick Development Awards held at the Marriott Grosvenor Square Hotel in London on 12 November. Organised by the **Brick Development Association**, the annual contest provides the definitive showcase for what brick can achieve. The Grade II listed house lies within a conservation area and was in a very poor condition when the current owners bought it. The brief for Chris Dyson Architects was to create a family home that responds to contemporary domestic use. The existing condemned, two-storey Victorian extension was replaced with a larger masonry extension to reflect and complement the surrounding Georgian brick architecture. All services were replaced, thermal insulation improved and rainwater harvesting introduced. Period features were reinstated and refurbished to sympathetically restore a sense of character that had been lost over the last 50 years. Brick colour, texture and variety were critical to the success of the project. The brick chosen for the extension was the Coleridge Ashdown yellow multi brick from Ibstock.

0207 323 7030 www.brick.org.uk

Structural stabilisation enables demolition



A growing use for **Helifix** masonry reinforcement systems is to stabilise existing buildings during a new construction phase or a significant restoration, enabling works to be undertaken safely and cost-effectively. In Williamson Square, Liverpool a number of dilapidated Victorian buildings were to be demolished to make way for some new retail units.

However, a laser survey showed that the adjacent concrete frame building, had been built into the gable end wall of the properties to be demolished, with the two adjacent 9 inch walls in effect creating a solid party wall which had to be tied together and retained. Helifix designed a suitable structural solution and a scheme was devised using grouted CemTies and SockFix grouted sock anchors.

020 8735 5200 www.helifix.co.uk

Portakabin Group awarded hospital contract



The **Portakabin Group** has secured a £10 million contract for the off-site construction of two new buildings which will provide clinical services during the 3Ts Redevelopment of the Royal Sussex County Hospital in Brighton. Procured under the ProCure21 framework, the contract, which uses a Yorkon off-site solution, includes

construction of the Portakabin Group's first six-storey building in the health sector. By using a Yorkon modular solution for both schemes, the facilities will be built to permanent standards with a 60-year design life and in compliance with NHS requirements, but have the flexibility to be removed, recycled and relocated to another site or can remain in place.

Bracknell Roofing expand network



Following continued market success and increasing demand, national roofing contractor, **Bracknell Roofing** has expanded its nationwide network with the opening of a new branch in Colchester, Essex. Focused on meeting customer needs at a local level, the new branch is Bracknell Roofing's fourth to open in the South East and comes on the back of another recent opening in Bradford. Joining the nine existing branches across the country, the latest addition is testimony to Bracknell Roofing's

growing UK market presence as it seeks to support the renewed optimism and activity seen in the strengthening construction sector.

0870 562 6800 www.bracknellroofing.com

Firestone host Master Contractor Event 2014



December saw **Firestone Building Products** hosting the eighth Master Contractor Event in Dubai. A select group of Firestone roofing contractors who achieved Master Contractor status for the 2012-2014 period attended. The selection was based on performance, both in volume of materials and quality

of installation. The event also marked the 25th anniversary of Firestone's presence in Europe and the Middle East. Firestone's UK Master Contractors Phil Redfearn from SBS Roofing and Jonathan Forbes-Brown from Imperial Waterproofing were invited and were presented their awards by the Firestone International and UK Management Team. Pictured left to right are John Vasuta, James Cave, Phil Redfearn, Jonathan Forbes-Brown and Michel De Knop.

SIGA Slate specified to replicate local slate



Exclusively chosen to replicate slate that was once quarried locally in North Wales, **SIGA** slate has been used to adorn Cwrt Gloddaeth, a private residential retirement new build development in Llandudno. In keeping with the local landscape, it was important that the roofscape mirrored the

roof coverings originally used in the area as closely as possible. SIGA slates were specified as their North Wales origins best replicate the original and extinct Ffestiniog slate both in texture and colour. The Local Authority accepted SIGA 32 in light of its approval by Snowdonia National Park. SIGA slate offers a warranty of up to 75 years on selected ranges.

New product cuts roof clipping time



Time trials conducted on a housebuilder's development have proven that a new one piece clip and nail from **Marley Eternit** can save up to 30 per cent on roof clipping time. Marley Eternit has launched the new

SoloFix one piece clip and nail to help contractors get ready for the changes to the BS5534, Code of Practice for Slating and Tiling, announced at the end of August. SoloFix is a one piece clip and nail made from ZAl, which saves on clipping time and delivers a high strength, high performance solution which can be used for all UK exposures including corrosive marine environments.

01283 722588 www.marleyeternit.co.uk

Heradesign is an architect's favourite at the Surface Design Show



Heradesign from **Knauf AMF** was selected by Stuart Finnie, NorthSeven Architects, as among one of his favourite finds at last year's show. Visit Stand 408 to see for yourself why Heradesign is becoming a favoured choice for specifiers. Heradesign is a range of sustainable, modern wood-wool based ceiling tiles and wall panels, which are cost effective and easy to install. Architects specify Heradesign for a variety of projects because it is a unique product that can help create truly original eye-catching designs. Snook Architects specified Heradesign to help transform a dated 1980s office block into an aspirational working environment for a firm of solicitors. Neil Dawson explains: "We wanted an alternative to the traditional suspended ceiling. Heradesign ceilings are clever because, although a panelled system, the concealed grid disguises the fact that it is suspended (particularly with the nice chamfer detail on the edge of each panel). Moreover, their natural colour and size softens the feel of the space." The refurbishment of the London Imperial War Museum is a huge success. Architects, Foster and Partners designed the overall concept. Clive Semark, ITC Concepts, said: "Heradesign was a perfect fit. The finished ceilings look excellent." Visit Knauf AMF Ceilings at Stand 408 to see what sets it apart.

0191 518 8600 www.amfceilings.co.uk



Raising opportunities with glass

Advances in materials technology and design techniques are transforming our built landscape. The use of glass is at the forefront of this change.

Glass handling equipment supplier Hird is constantly investing in new machines capable of helping architects and construction companies create these new structures efficiently and cost-effectively.

Hird Director John Wilding said: "Our aim is to supply glass installation equipment that allows our clients – designers, construction firms and installers – to keep up with what is possible."

An example is the unique Winlet glazing robot. This Danish machine, available from Hird for hire or sale, is compact, light and easy to move.

It can lift, carry and place glass sheets or other non-porous panels up to 600kg, even overhead, and has been proven to increase productivity by up to 50 per cent on some of the most prestigious build projects in the UK.

Hird is also a leading supplier of mini cranes,



for hire or sale, including Valla pick and carry cranes and UNIC spider cranes, both ideal for glass installation.

Hird also has an unrivalled selection of vacuum lifters for hire, for flat or curved sheets, of the

largest size and weight – plus a full range of powered access machines.

"We're a one-stop-shop for lifting, anywhere in UK," says Wilding.

0203 174 0658 www.hird.co.uk



Community development wows architects

A redevelopment of a difficult urban brownfield site in South East London has been unanimously voted as the Architect's Choice Award at the annual Brick Awards, which took place on 12 November at the Marriott Grosvenor Square Hotel in London. Designed by husband and wife team Robert and Jessica Barker, Rockbourne Mews is a small development of three properties constructed by brickwork contractor Phase Brickworks, using masonry cavity walls. Wienerberger's Marziale light coloured stock brick was chosen to complement the surrounding London stock buildings and to create a light and airy feel. Featuring a number of sustainable measures, which really impressed the judges, the designs incorporate a high proportion of glazing to solid, providing privacy in places yet openness in others, encouraging a real sense of community. The pale hues of the Marziale stock brick together with the glazing reflect light into the communal courtyard even during winter months. Numerous brick specials were used to suit the site angles. You can see pictures and find full details of the project teams on the BDA's website.

020 7323 7030 www.brick.org.uk/brick-awards



New identity for Limetec Group

Sustainable buildings material manufacturers Lime Technology and Hemcrete Projects have rebranded as Limetec Ltd and HemBuild Ltd under the joint **Limetec Group** banner, and have launched with a new visual identity and website. Limetec Group specialises in helping customers create buildings which are eco-efficient: conserving energy use and employing natural, organic materials which reduce waste and are recyclable. In the future an e-commerce capability will be implemented, allowing all customers to buy direct online. Limetec operates two divisions. Limetec Mortars & Renders manufactures hydraulic lime mortars in a range of earth tones, and partners with Baumit to provide pre-mixed renders and plasters. Limetec External Wall Insulation offers an effective means of reducing heat loss from buildings, its internal wall insulation is simple to install in both new builds and retrofits. HemBuild offers three different building systems: high-performance, off-site panelised and timberframe building solutions; HemClad, designed for 'infill-walling' situations; and HemLine panelised, factory-made internal wall insulation.

01235 434300 www.limetec.co.uk

New ward built in less than three months



When additional ward space was required at Princess Alexandra Hospital in Harlow, to help the trust manage increased demand over the winter period, **Portakabin Hire** constructed a fully serviced 20-bed ward facility in less than three months and handed it over ahead of programme. Portakabin

handled every aspect of the build, giving the trust a single point of contact for the entire project. Work carried out included all site works, installation of climate control systems, data communications, fire alarms, nurse call systems, bedhead trunking, medical gas services, automated doors, video entry, furnishings and a link bridge to connect the new ward to the main hospital.

New handmade clay tile to launch



A new range of premium handmade clay tiles is due to launch from **Marley Eternit** at the beginning of 2015. Marley Eternit is bringing back traditional skills to provide a genuine handmade tile that architects are looking for in today's market. The new Canterbury tiles will be available in three

colours; Chailey (orange), Loxleigh (antique) and Burford (brown) with its own handmade fittings range. Premium projects and heritage sites can benefit from the high quality aesthetic of the richly coloured tiles, particularly in areas subject to specific planning requirements and where handmade roof tiles form part of the architectural vernacular, such as the south east.

01283 722588 www.marleyeternit.co.uk/handmade

Pro-Tecting a new generation of mental health



The latest in an award-winning new generation of mental health hospitals is using advanced roofing technology to achieve a durable, quality building for the future. A key element of Mersey Care NHS Trust's £25 million, 80-bedroomed Clock View is its

focus on single storey buildings around courtyards, with all the areas roofed using single ply membrane. Richmond Roofing, for main contractor Farrans, utilised almost 7,000m² of **Protan** SE1.8mm single ply, mechanically fixed over a vapour control layer, to construct the facility's roofs. Protan SE membrane is certified to deliver, and potentially surpass, the energy efficiency requirements laid down in *Approved Document L*, and, under the *Green Guide*, achieve a A+ rating.

01925 658001 www.protan.co.uk

Sika Sarnafil specified for NHBC head office



As part of National House Building Council (NHBC) building works the upper roof now includes 800 sq m of Sarnafil Plus roofing system with a 20 year guarantee. Installed by experienced Hertfordshire based roofing expert, Itech Roofworks and main contractor Winter Refurbishments, the new roof tops the organisation's Milton Keynes head

office. NHBC wanted to ensure a full guarantee was included with regard to waterproofing the building which led to **Sika Sarnafil** being specified, as it comes with a single point guarantee, making it easy to manage whilst giving peace of mind with the backing of Sika, a major worldwide group.

01707 394444 www.sarnafil.co.uk

Laureate Heights gets A+ treatment



Laureate Heights, a recent Persimmon Homes development in Devon, features approximately 40,000 Westerland slate from **Cembrit**, which give a natural, authentic appearance to the properties. Supplied in Blue/Black, the slates are attractive, durable and a perfect fibre cement

alternative to natural slate. "This is not the first project where we have had Westerland slates installed" says a representative of Persimmon Homes. "We aim to work with sustainable products, and since Cembrit's fibre cement range was awarded a Certificated Environmental Profile with Green Guide ratings of A and A+, these slates were our first choice. In addition, the dressed edge of Westerland gives a perfect natural look to the project."

Cost saving luxury for Jubilee



Birchcastle Homes has specified **Marley Eternit's** Duo Edgemere slates for a select development of luxury homes in Wantage. The tiles were used to give a natural slate look to the roofs of the seven town houses at Jubilee

Gardens, while reducing cost and labour time. The Duo Edgemere gives the appearance of a smaller format slate with a mock bond down the centre of the tile combined with a broken bond laying technique. It has the same visual impact as format slate with the ease of installation and performance provided by standard interlocking tiles.

01283 722588 www.marleyeternit.co.uk



Latham's fire retardant plywood

James Latham is now offering LuminFirePro – a new fire retardant plywood Euro Class B – s1, d0 – through all nine of its nationwide panel depots. LuminFirePro panels are pressure impregnated with a humidity resistant, high temperature fire retardant chemical formulation based on Osmose FirePRO technology, which is then air or kiln dried to ensure these properties are maintained. This process creates a product which enhances safety in applications where fire protection is the first priority by offering improved flame spread reduction to Euro Class B – s1, d0 as well as decreased smoke development. The panels have been tested to BS EN 13501-1:2007 + A1:2009 fire classification of construction products and building elements achieving class B – s1, d0 as well as being certified for structural use according to EN 13986 under CE2+ system to guarantee full compliance with the Construction Product Regulation. Plus, products treated with Osmose FirePRO have been approved by London Underground for use in construction.



Canadian style in the UK



An innovative Canadian style home, built as a showcase by Cedar Tree Construction, is using **Marley Eternit's** Acme Grey Sandfaced clay plain tiles to replicate the style of the cedar shake roofs commonly seen in

Vancouver. Greg Jones, owner of Cedar Tree Construction who recently relocated back to Swansea after spending four years in Canada, explains: "I've worked with Marley Eternit on roofing projects before and they were able to provide me with technical support to help me find the perfect roof tile, not only by providing a range of samples but also by identifying projects that I could visit to see how the tiles would look..."

01283 722588 www.marleyeternit.co.uk

Smooth anti-slip decking for riverside housing



John Brash CitiDeck® was selected as a suitable hard landscaping material for Crest Nicholson's development of new homes in Portishead, Bristol. The new decking solution had to be delivered for the large, open areas of decking, terraces and balconies off the apartments; within programmed times,

be easy to clean and maintain, provide a high level of slip resistance and be aesthetically pleasing. For cleaning and maintenance reasons, JB CitiDeck® with the resin anti-slip infill would provide the required slip resistance but with smooth boards, which are easier to clean and less likely to collect dirt and debris.

01427 613858 www.johnbrash.co.uk

Pro-viding means to help architecture win



Advocates Close, in Edinburgh's Old Town, has attained the 2014 RIAS Andrew Doolan Best Building in Scotland Prize. Much of the new, mixed use scheme is now roofed with **Protan** single ply membrane, because of its flexibility to accommodate roof types while delivering the quality required for the prestige

project. Several of the new and refurbished listed buildings feature warm roofs created from Protan G single ply membrane for ballasted roofs laid over Protan VB250 vapour control layer, Protan AM membrane, and Protan F2B protection fleece, installed by Curtis Moore for main contractor Interserve.

01925 658001 customercare@protan.co.uk

Farmfoods opens new frozen food warehouse



ISD Solutions, a leader in composite panel cold store solutions, is completing work on a new frozen food distribution centre for frozen food retailer Farmfoods. With steel and concrete work undertaken by main contractor Winvic Construction, ISD Solutions was chosen for its expertise in the latest single envelope composite panel construction

techniques and ability to deliver a high performance, sustainable solution, with extremely low running costs. The design requires significantly less supporting steelwork to conventional cold storage warehouses, and build time and costs are further reduced as the cold store is formed as the building envelope is constructed.

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WeatherClad, a modern solution



Traditional building techniques and fresh, contemporary design blend perfectly at Mosaic, Seddon Homes' development of two- to four-bedroom homes in Halton Brook, Cheshire. Euroform Products' WeatherClad proved the perfect complement to this balance of modern and traditional sensibilities. Possessing all the aesthetic appeal of shiplap cladding but manufactured from a robust, low-maintenance calcium silicate board,

WeatherClad is available in a choice of woodstain finishes. In this case, the specification called for over 5,000 planks in a rich walnut shade. WeatherClad boasts Class '0' fire classification (BS476 part 6 & 7).

01925 860999 www.euroform.co.uk

NVELOPE supports estate transformation



NVELOPE, the rainscreen cladding specialist, has provided effective structural support to the Packington Housing Estate in Islington with the vertical helping hand system and timber rails. Approximately 1,200 sq m of timber cladding were used as part of the £130 million regeneration project. "There are many great advantages working with NVELOPE" commented Carl Chapman, contracts director of Roles Broderick Roofing Ltd. "One

of the primary advantages that we have found working with NVELOPE is the flexibility to overcome tolerances in building substrates before overcladding." Manufactured in the UK and developed using the highest specification alloys, all NVELOPE products and systems are BBA certified.

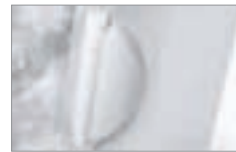
Levolux catches the eye in Manchester



The Former Royal Eye Hospital in Manchester has been dramatically transformed into a new biomedical centre of excellence, with a decorative, bright red, perforated screening and solar shading solution, courtesy of Levolum. Levolum worked collaboratively with the architect and the client to design a custom external screening solution that not only shades the building's glazed openings, but also creates a bold

visual statement. The solution comprises perforated, extruded aluminium screening panels, set against a series of integrated walkways, all secured back to the curtain walling system using Levolum's Trinitri Bracket. Levolum also installed its 950 XL Screening Louvres around two roof plant areas.

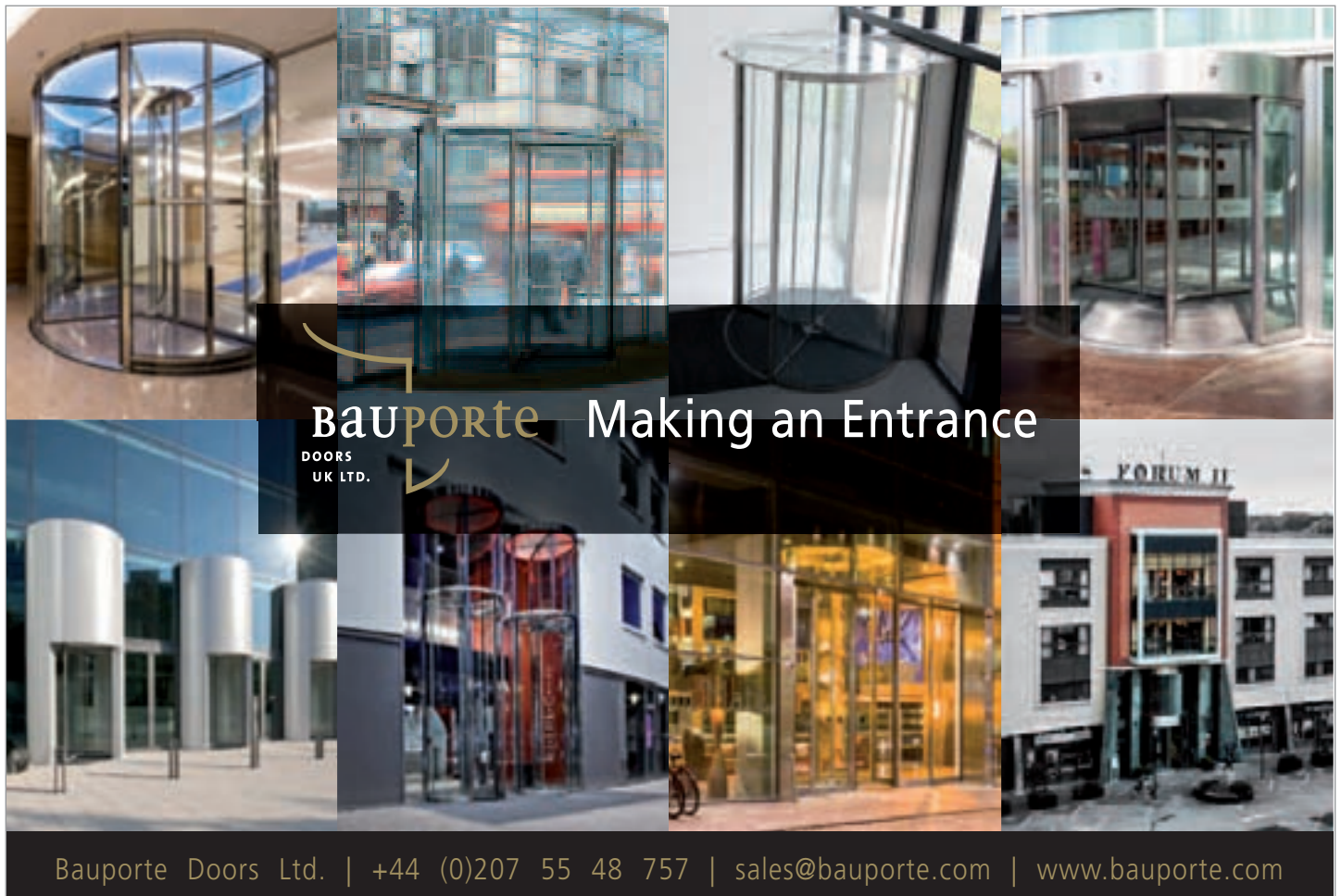
Distinction Doors enhances offering



One of the largest composite door component suppliers in the UK, Distinction Doors, chose to use SFS intec's Dynamic 2D hinge for use on its new 70mm twin rebate composite door development programme. The SFS intec

Dynamic 2D hinge was able to meet the criteria for attractive aesthetics, ease of adjustability and stringent testing capabilities laid out by Distinction Doors. The design of the Dynamic 2D enables easy door installation, particularly where the plaster reveal restricts the height for lifting on and off. To add to this, its unique colour-matching properties mean the hinge can adapt to any design specification.

0113 208 5500 www.sfsintec.biz/uk



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Reynaers at Home helps Passivhaus dream come true

This spectacular home in Ireland is one of the first Passivhaus rated energy-efficient homes in the country that has exploited the use of large areas of glass. Its huge panoramic windows maximise the view to the rolling landscape without compromising on thermal performance.

Reynaers at Home's aluminium windows and doors were used, as these allow for large swathes of glass within slim frames. The CP 155-HI sliding glass doors can go up to an impressive 3m in height.

CP 155 has inherent strength, which makes it possible to offer these very large dimensions – up to 3m in height and a maximum vent weight of 400kg. Thanks to the 'high insulation' upgrade, the system can achieve superior insulation levels down to 1.07 W/m²K (Uf value). This results in a glazed element with insulation values lower than 1.0 W/m²K, allowing the CP 155-HI system,



which is certified with a Minergie label, to be used in low-energy buildings. The system is available with a low threshold option that creates perfect continuity between indoor and outdoor spaces,

and improves accessibility to buildings.

Hugh Moss, head of marketing at Reynaers, says: "Minergie is a sustainability label for new and refurbished buildings with a focus on a high level of comfort in the building. Minergie standards require high-grade, air-tight building envelopes and the continuous renewal of air in the building using an energy-efficient ventilation system.

"A number of our window and door systems have achieved this Minergie label: CP 155-LS/HI, CS 77 and CS 86-HV, meaning we can offer a complete solution for thermally efficient buildings.

"Reynaers at Home is continually working to improve the U-value of our range of aluminium windows and doors to ensure that they meet the increasing demands for energy efficiency and sustainability in construction."

0121 421 9707 www.reynaersathome.co.uk

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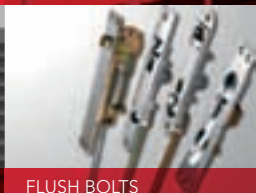
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Comfort

Design

Service



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The four elements you must provide to win.

The modern window and door market is increasingly competitive. The expectations of every client, from architect to consumer, are becoming more demanding. Are you offering your customers these four vital elements?

COMFORT.

How does a handle feel when you grip it? How well is the temperature maintained within a home? What about noise reduction? With Roto, windows and doors bring comfort in all these ways and more.

Making windows and doors easy to use, with comfortable handles and smooth-moving mechanisms is a key priority for Roto. But just as important are the longer term bene-

sealing. These aspects of hardware are just as important

unwanted noise from outside.

DESIGN.

How does a building look? How does it make you feel when inside it? By enabling a wide variety of sizes, shapes and opening formats for doors and windows, Roto hardware increases the possibilities for design, and can even be a design element in itself.

For the fabricator, Roto designs hardware that is as easy as possible to transport, store and process. For the homeowner, choices such as styles and colours of handles and options like concealed Tilt&Turn hinges all contribute to interior design.

Architects worldwide take advantage of the greater design freedom provided by Roto systems. Product groups such as PatioLife enable sliding doors to be taller, wider and heavier than was possible in the past, without compromising on ease of use. For unusual requirements, Roto consultants help design special hardware solutions,

in London and the Reeperbahn development in Hamburg,

SAFETY.

Is your child safe from falling from their room? What if you accessible is a home to people with disabilities? Safety so many ways to provide it.

A Tilt&Turn window that prevents children from being able to open the sash fully and fall out is an obvious safety advantage, and one that is generating a lot of interest for Roto. But there are other ways in which Roto systems can help make people feel safer. Think of front doors with electromechanical locks, which can be opened quickly and easily without having to spend time on the doorstep

exterior security.

People feel safe within their homes, but there can be mould, especially in bathrooms, and this can be a health hazard. With Roto hardware, you can open your bathroom window for ventilation knowing the hardware is protected from corrosion by the most modern coatings. Or you can take it further, with a smart, electromechanical window that opens automatically when the air is moist and closes again after a period of time.

SERVICE.

reliable is your delivery service? Do you need assistance with manufacturing challenges, or help with a special project? Service is the reason most customers stay with Roto.

generate a list of hardware components for windows according to their sizes, and order everything online from their desktop, smartphone or tablet.

In terms of service, Roto provides much more than reliable next day delivery. For example, the RotoLean consulting operation is helping manufacturers around the world to revise and streamline their factory operations, speeding up their processes, reducing waste and

Safety

Comfort

Design

Service



Aluprof corners the sliding door market



Glazed sliding doors have always been popular in residential and high rise residential properties as they take up little room and are cost effective to manufacture and install. Today's lift and slide doors offer high thermal performance and excellent weathering capabilities complete with a low threshold detail. Aluprof now 'corners' the market with its aluminium lift and slide door, the MB-77HS, which now offers the option of a 90° installation configuration. The new 90° lift and slide

door is a cost effective option to a 90° sliding folding door with arguably a longer, trouble-free life expectancy. All Aluprof systems are designed, fabricated and installed by selected, specially trained companies across the UK.

0161 941 4005 www.aluprof.eu/en/

Warmcore stands up well to testing times



Synseal's new WarmCore aluminium folding sliding door system has been undergoing extended extreme weather testing in Portugal along with structural strength and enhanced security testing, which has been carried out by UKAS testing laboratories, with both tests regimes yielding excellent results. A 5-sash WarmCore unit was installed

in an outdoor location in Lisbon, Portugal back in July 2014 and this continental climate exposure testing programme will continue indefinitely to prove the technical performance of the aluminium framing. The WarmCore folding sliding door continued to function perfectly unaffected by the extreme temperatures.

01623 443200 www.synseal.com

SCHOTT machine-drawn restoration glasses



The international technology group SCHOTT uses the authentic Fourcault process to manufacture its various architectural glasses for the restoration of historic buildings. This process is used to achieve an appearance that closely resembles the period in which the respective buildings were actually built. The restoration

glasses that SCHOTT offers have also received European technical certification and therefore meet the demands of monument conservationists as well as building owners and users. Furthermore, all SCHOTT restoration glasses can be processed into insulating glass, laminated glass or safety glass.

01785 223166 www.schott.com/uk

New window and door systems from Smart



Commercial systems specialist Smart Architectural Aluminium has launched a number of new products this year. The innovative Alitherm 700 range has been enhanced by the parallel opening and top-swing reversible windows, offering an ideal solution for increasing levels of natural ventilation and delivering a balanced and effective airflow without compromising security or safety. The Alitherm Heritage range will soon feature a pivot window option, specifically designed

to fit into very traditional openings such as stone mullions. The launch of a tilt-turn system to complement the existing options in the Eco Futural range of high performance commercial windows completes the new window introductions.

01934 876 100 www.smartsystems.co.uk

It all adds up



Well known for beating competitors to the punch, The VEKA UK Group has now unveiled the industry's only BSI notified and BFCR certified window and door energy performance calculator.

Principal Engineer Tim Williams

has unveiled the only calculator in the industry capable of providing accurate SELs, DSELs in accordance with the BFCR, and notified U-values for CE Marking in accordance with EN 14351. The calculator is unique to each fabricator and their products, is free and is the latest in a long line of innovations for The VEKA UK Group.

01282 716611 www.vekauk.com

Garador faces the perfect storm

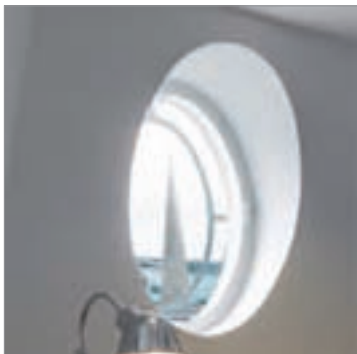


Garador's great looking Chatsworth PVC up and over door (pictured) has been launched well in time for the winter storms. Along with Garador's already popular PVC up and over Sherborne style, both doors offer exceptional

low maintenance and have been engineered to withstand even the toughest weather conditions.

01935 443709 www.garador.co.uk

Warm and peaceful living above the 24/7 Society



Many of the properties in Regent Street are being rejuvenated. A recent example is the conversion of two Grade II listed disused office buildings; Albany House on Regent Street and the other in Mortimer Street. These have been redeveloped to create 24 high-spec luxury apartments. The original single glazed sash windows had to be retained, so careful thought was given to dealing with traffic noise, drafts and heat loss associated with older windows. MSMR architects approached Selectagaze to assist in developing a solution. Secondary windows fitted with a gap of 100-200mm will achieve noise reductions of at least 45dB. The frames are bespoke and tightly sealed which almost eliminates uncomfortable drafts and the use of thermally efficient low emissivity glass reduces heat loss, giving a U-value of around 1.9. One particularly noisy balcony was treated with large hinged secondary doors glazed with 10.8mm laminated glass. The inclusion of Selectagaze secondary glazing contributed towards the properties being awarded an Eco Homes Excellent rating. Established in 1966 and granted the Royal Warrant in 2004, Selectagaze is one of the UK's leading secondary glazing specialist with extensive experience of working in buildings of all styles, including listed properties.

01727 837271 www.selectagaze.co.uk

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Red Deal's winning relationship



Red Deal Windows Ltd. has won three notable contracts to fabricate and install Halo window systems for charitable and residential housing schemes in Rochdale. The developments collectively comprise 51 new-build properties. Richard Garland, head of commercial for the

VEKA UK Group, commented: "To see such a flourishing working relationship between a Halo fabricator and one of their region's most influential contractors is fantastic. It cements everything we know about Halo – it's the right product for all sorts of projects, it contributes to our customers' business success, and provides outstanding comfort..."

01282 716611 www.halo-uk.com

The perfect recipe for restaurant doors



A staff restaurant run by catering company Gather & Gather in Leeds needed to solve the problem of damaged doors connecting the back of house kitchen area with the front of house dining area. The facilities management company in charge of the business centre buildings sourced a solution, to preventing the continual damage that the

expensive fire doors were experiencing, from a range of fire rated door protection products from Yeoman Shield. Yeoman Shield's directly employed fixing team installed 2.0mm thick door protection panels with a FalmouthEx finish to both sides of the double swing kitchen doors in a buff colour.

0113 279 5854 www.yeomanshield.com

Multi-chambered options now available



Multi-chambered options for outer and sash frame profiles are now available for all three of Synseal's market-leading 70mm PVC-U window systems – Legend, Shield and SynerJy – to extend customer choice. These new frame profile configurations are thermally efficient and can achieve A-rated WERs when glazed with 28mm DG units without the need for Low Iron glass. Synseal's Legend, Shield and SynerJy systems can all deliver the latest A+ and Certass A* WERs and the

multi-chambered profile solutions will typically secure a U-value of 1.3W/m2K using warm edge spacer bar with Total+/Argon/Low Iron glass.

01623 443200 www.synseal.com

Lanes solves drain problem at tube station



Lanes Group has used its pipe relining expertise to help preserve the original look of one of the world's oldest underground railway stations. Its engineers were called in to reline the inside of Victorian cast iron roof columns which, for more than 150 years, had taken rain water from the roof of Farringdon

Station to below ground drainage systems. The Rail Division of Lanes Group, was commissioned to carry out the downpipe work as part of a major refurbishment. Lanes Group carried out the work, using a technique called CIPP, cure in place pipe lining. Each of the 12 pillars now has a tough, smooth, waterproof inner wall, designed to extend the life of the roof drainage system by 120 years.

0161 788 2261 www.lanesfordrains.co.uk

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Crash tested snow load gutters

Following testing of its snow loading gutter brackets by test house CERAM, where a standard 3m length successfully supported the weight of 12 grown men, **Guttermaster** decided to check out the strength of its direct fix extruded ranges. Half Round and Serpentine gutters were passed over to the Intelligent Design Centre, based in the North West, where the systems were put to the test on a purpose designed rig to simulate both static snow loads and moving snow mass from a specified height. No one at Guttermaster expected the outcome they were presented with. In static tests, the gutters withstood a total weight of one metric tonne without damage or noticeable deformation. Then in dynamic testing (Crash testing) the same piece of gutter was unshaken by launched test weights in excess of 150kgs from a height of 1m. Guttermaster MD, Mike McKee reported that the entire gutter range has now been tested and proven to be more than capable of supporting anything the British winter has to throw at it.



Healthy Residential Concept®

With its Healthy Residential Concept®, **RENSON®** is able to provide complete solutions for a healthy and comfortable home. When designing, building or renovating a property, the inclusion of increased insulation and better air tightness has knock-on effects to the property. You need to consider the risk of increased condensation, moisture and poor indoor air quality, all of which will affect your health. Basic ventilation guarantees an adequate indoor air quality. DCV will constantly monitor and adjust the ventilation rates as per the changes in indoor air quality. When the contaminated air is extracted, a natural airflow through the window vents will ensure the supply of fresh air. Further energy can be saved by maximising the use of daylight in the building. That is why we can observe an increase in the glass surface of the buildings. However increased glass areas combined with tighter airtightness leads to higher inner temperatures along with the issues of glare and possible disturbing light reflections. The most efficient sun protection system stops the sunrays before they pass through the glass and enter the house and therefore minimises overheating.

01622 754123 www.rensonuk.net

Crash tested Snow Loading gutter systems from Guttermaster



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Swish revamps roofline and rainwater



Roofline and rainwater products from **Swish Building Products** have been specified by Broadacres Housing Association for installation on over 350 homes. Black half-round gutters and round downpipes are being supplied alongside white fascias and soffits through local stockist, Quay Plastics to contractor and installer, Newlife Windows. Broadacres wished to align the rainwater system with the roofline supplier; the Swish products proved to be the best value, high quality option. The housing

association conducts value for money reviews on its technical specifications prior to tendering for all planned maintenance projects.

01827 317 200 www.swishbp.co.uk

Plymouth roof garden is 'highly commended'



The Morley Court Roof Garden project in Plymouth, has been 'highly commended' in the Best Community Project category by judges of this year's Abercrombie Awards. **IKO PLC** was responsible for the design and installation of the new waterproofing system for the roof garden, after the existing one failed. Following a roof survey by **IKO's**

technical team, the recommended waterproofing solution included an **IKO Systems Vapour Barrier** and **IKO Enertherm Alu Insulation** to bring the roof up to the required standard of energy efficiency.

01257 488011 www.ikogroup.co.uk

CompetentRoofer member awarded



On 13 November, the 40th annual National Home Improvement Council (NHIC) awards took place in London. **CompetentRoofer**, the Competent Person Scheme for the self-certification of roof refurbishment

under the building regulations within England and Wales, has sponsored the awards for the second year and has used them as the ideal opportunity to recognise the work achieved by its members. This year the Merit Award for Services to Self-Assessment was awarded to Jackson Jackson & Sons, a roofing contractor based in Rochdale who was an early adopter of the scheme when it launched in 2011.

0207 448 3189 www.competentroofer.co.uk

SG System Products helps improve safety



Stargard, the original 'warm to the touch' DDA compliant handrail from **SG System Products**, has been used to replace existing handrails at stations along the route of London's Docklands Light Railway (DLR). The 4mm (4,000 microns) thick PVC sleeve was manufactured in a special melon yellow colour

requested by DLR and this colour is consistent throughout the material. The handrail is also designed and manufactured to resist knocks and bumps. It is fitted using stainless steel brackets to keep ongoing maintenance to a minimum. **SG System Products** is a specialist in the design, manufacture and installation of handrail and balustrade systems tailored to suit specific applications.

01473 240055 www.handrailsuk.co.uk

Regupol 7210C acoustic insulation



When the discovery of historic remains resulted in a 14-week hiatus at the £15 million Stoke Quay development in Ipswich, **CMS Danskin's Regupol 7210C** acoustic underscreed was the natural choice for achieving Part E

compliance. **Regupol 7210C** does not require separate perimeter strips, simply folding-up at the edges to create a 'screed container', so there's no risk of leakage and subsequent acoustic failure. The quick and easy manner in which **Regupol 7210C** can be laid down and fitted measurably reduced the overall timescale of the installation.

01925 577711 www.cmsdanskin.co.uk

Kingspan OPTIM-R at the seaside



The owners of an idyllic former farmhouse on the Cornish coast can now sit back and enjoy views out across the bay thanks to a new roof terrace, insulated with the **Kingspan OPTIM-R Balcony & Terrace System**. To minimise heat loss through the roof terrace project architects **Charles Green Design**

targeted a U-value of 0.16 W/m².K. The thickness of conventional insulation needed to achieve this would have required the terrace to be raised higher than the floor level in the internal rooms, creating an awkward step. To solve this potential problem, the **Kingspan OPTIM-R Balcony & Terrace System** was specified.

01544 387 384 www.optim-r.co.uk

Nationwide LABC approval for Kingspan Tarec®



Kingspan Tarec's premium performance **Kooltherm® FM Pipe Insulation** can now help to speed up installations and cut down paperwork both north and south of the border having become the only dedicated pipe insulation product to hold an LABC Warranty.

Combined with its existing LABC Registered Detail, the new LABC Warranty confirms that **Kooltherm® FM Pipe Insulation** has been rigorously assessed by building control surveyors and complies with the relevant requirements of the English and Welsh Building Regulations and Scottish Building Standards. **Kingspan Tarec® Kooltherm® FM Pipe Insulation** features the most efficient insulation commonly used in pipework applications.

01457 890400 www.kingspantarec.com

Thicker Kingspan TEK® panels announced



The **Kingspan TEK®** building system and **Kingspan TEK®** cladding panels are now available in a new 172 mm panel thickness, delivering out of the box wall and roof U-values of 0.16 W/m².K and below. Both **Kingspan TEK®** building system panels and **Kingspan TEK®** cladding panels comprise two layers of oriented

strand board type 3 (OSB/3) either side of a high performance insulated core. With the addition of a 65 mm insulated lining of **Kingspan Thermawall® TW55**, the thicker panels can easily achieve U-values as low as 0.10 W/m².K, far surpassing the requirements of the Building Regulations.

01544 387384 www.kingspantek.co.uk

Brick Effect Render from Bostik

Bostik's Brick Effect Render is a simple, easy to apply, two-part render system designed to give a realistic brick and mortar appearance to block work, concrete, cement and a range of other surfaces.

The system is applied in two easy steps and requires no previous rendering experience. A grey mortar undercoat is applied first and allowed to dry, followed by a brick coloured face coat which, once it has started to cure, is cut through with a cutter tool to expose the grey mortar underneath, creating an authentic looking brick and mortar joint effect.

Both coats are silicone polymer modified render, offering excellent adhesion and weather resistance while remaining vapour permeable. The face coat is available in a range of different

colours akin to a selection of the most popular brick types in the UK.

The Brick Effect Render system provides a simple two-step method to achieving a durable and visually appealing render finish. It's a great option for projects where the appearance of a wall needs to be updated – such as garden walls or prefabricated buildings.

A brick effect render finish is also available to certified installers as part of the Bostik Climatherm external wall insulation system, providing an alternative to traditional silicone and acrylic renders. The flexibility of the Climatherm system's brick effect render finish delivers an effective solution in areas where planning permission may dictate the visual criteria of a development.



Brick effect render is available in 10kg buckets from your local builder's merchant, you can also find a stockist at: <http://bostik.co.uk/support/stockists>

To enquire about Bostik's Climatherm external wall insulation system call: +44 (0) 1785 272625, or visit: <http://www.bostik-climatherm.co.uk/>



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Bostik's Climatherm EWI system used to striking effect

Bostik's Climatherm External Wall Insulation (EWI) system has been used to striking effect at a residential property in Falmouth, Cornwall.

The three-storey, semi-detached Victorian house was constructed around 100 years ago with solid granite walls, and although structurally strong the thermal performance of granite is very poor by modern standards. This led the owners to look at ways to refurbish the property and improve its overall energy efficiency while retaining the period features and appeal of their home.

Recognising that external wall insulation was an effective solution, contractor Marnick Builders specified the Bostik Climatherm system as part of a full scheme of refurbishment.

Nick Chinn of Marnick explains: "We needed an EWI system that offered the right thermal performance and a very high level of durability as the property is located on the coast and exposed to some quite extreme weather conditions. The Bostik Climatherm system with EPS insulation

and white silicone render finish proved ideal. We were very impressed with both the performance of the system itself and the support offered by Bostik.

"An extension was added to the property as part of the project which did not require insulating but needed to match the external appearance of the rest of the house. As a Bostik Climatherm approved contractor we were able to source additional render through the local branch of Travis Perkins and make sure the extension perfectly matched the rest of the property."

The property now achieves a U-value in accordance with building regulations for work of this kind while retaining its period look and feel, fully meeting the requirements of the homeowner.

Nick concludes: "We will certainly be using Bostik Climatherm again for refurbishment projects. We had already been on the Climatherm approved installer course, and the technical team were very helpful in making sure we got the job done to a very high standard."



To become an approved contractor or a certified surveyor or installer of the Bostik Climatherm EWI system visit www.bostik-climatherm.co.uk or call 01785 272625.

Kingspan Insulation for 18th century church

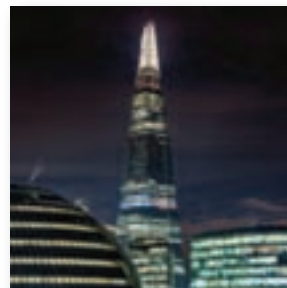


A number of products from the **Kingspan Insulation** Kooltherm and Therma ranges were used in the resurrection of a dilapidated old church in the Western Isles, which was featured in Channel 4's *The Restoration Man*. The stone walls of the Grade B listed building were insulated using two layers of 60

mm thick Kingspan Kooltherm K12 Framing Boards combined with a layer of Kingspan Kooltherm K18 Insulated Plasterboard. Kingspan Kooltherm products are the most thermally efficient insulation products commonly used today offering a thermal conductivity as low as 0.020 W/m.K. Their closed cell structure resists the passage of water vapour and is unaffected by air infiltration.

01544 387 384 www.kingspaninsulation.co.uk/quickguides

CMS Danskin Acoustics



Widely known for their soundproofing contributions to such iconic structures as The Shard and the RIBA Sterling Prize-winning Everyman Theatre, CMS Danskin Acoustics have now turned their attention to the self-build market, via their Refurbishment Division, with Regupol 3912 amongst other products. Regupol 3912 is an acoustic underlayment that has been designed for refurbishment and timber construction markets and is ideal for use beneath carpets, hardwood floors and

tongue and groove chipboard where Part E compliance is a factor. What's more, it's made from recycled materials and is completely recyclable.

Tel: 01925 577711 www.cmsdanskin.co.uk

Ecocal TRV is the smart choice



With winter just around the corner, one of the UK's leading suppliers and manufacturers of accredited plumbing equipment, **Altecnic**, is encouraging plumbers to raise awareness of its environmentally friendly and economical Ecocal thermostatic radiator valve. As well as the usual manually selected TRV flow positions, the Ecocal includes an automatically-adjusting liquid filled element, an anti-tamper lock shield

and an environmentally friendly economy setting that all help maintain an ambient room temperature, achieving considerable energy savings and reducing bills. It is designed with a serrated sliding tailpiece to prevent alterations to pipe work during installation.

Luxurious enamel from Mendip Stoves



Mendip Stoves manufacture wood-burning heaters and stoves that embody the very best materials to deliver super performance and heat output. Mendip specify a tough British made steel body and cast iron door to provide many years of service while optimum performance is

achieved via an internally insulated chamber for temperature combustion. Being a British manufacturer, the company has a special awareness of what a wood burner should be in the English and British home – particularly the quintessential character of the country home and the period cottage. Two popular Mendip stoves are the Mendip 5 Ivory and the Mendip 8 Claret.

01934 750 500 www.mendipstoves.co.uk

BIM@Pentair



Pentair's Thermal Building Solutions has expanded its online information resource – the Raychem Engineering Toolbox – with the addition of a new section dedicated to Building Information Modeling (BIM). The section provides useful information about the Raychem BIM families and the Revit Software add-in. Pentair Thermal Building Solutions recognises that getting the right

information from manufacturers quickly and easily is of paramount importance. The Engineering Toolbox is an invaluable online resource, enabling customers to find exactly what they need, quickly and efficiently. The Engineering Toolbox provides a comprehensive guide to a range of applications.

Vortice records double digit growth again



Vortice is delighted to report that it has recorded double digit growth once more in its UK turnover for 2014 resulting in a record year for the UK. Further growth is forecasted for 2015 and 2016 driven by the expansion of its product range and excellent customer service.

General Manager Kevin Hippey says: "Our customers have rewarded us with excellent order levels as a result of the new product development strategy we put together five years ago." The company has another exciting year ahead with several new products launching in the heat recovery sector and it continues to deliver BPEC training for installers from its Burton on Trent showroom.

01283 492949 www.vortice.ltd.uk

www.apolloradiators.co.uk



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Merchant Homes turns to Stelrad

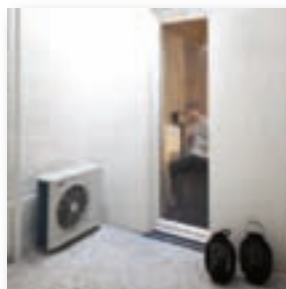


Merchant Homes based in Glasgow is the latest new homebuilder to form a warm relationship with **Stelrad Radiators**. They have specified the Compact with Style radiator models in its impressive new apartment development – the Gantocks at Gourrock, overlooking the River Clyde.

With the option to match radiator designs and finishes to other internal décor items, the wider premium and designer options in their product portfolio has begun to make significant inroads into up market, new developments where the radiators specified need to be of a more aesthetically pleasing design.

0870 849 8056 www.stelrad.com

Calor Gas



Calor have teamed up with renewables specialist Daikin to provide an air-to-water heat pump with condensing combi Calor gas boiler. To provide maximum efficiency for homeowners who don't have access to mains gas, the Daikin Atherma hybrid system automatically select most cost-effective option to ensure the lowest running costs – through using the heat pump or boiler. The system offers the best of both worlds – optimising energy efficiency and delivering completely reliable and controllable heating and hot water. Not only will you save money on your heating bills, you'll also be eligible to receive Renewable Heat incentives. Visit the website for more information.



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Fire safety and comfort cooling from SE Controls for new apartments

Notting Hill Housing Group's 108 home development at Micawber Street in Hackney is using an innovative smoke control system from SE Controls to not only provide smoke-free escape routes in the event of a fire, but also to ensure that day-to-day temperatures in communal areas and corridors are kept at comfortable levels for residents.

Initially, the six-storey building was designed with a mechanical ventilation system and a separate dedicated environmental shaft to help cool the building and address the overheating effect caused as a by-product of routing heating distribution pipework in building voids to optimise space.

SE Controls was invited to evaluate this system by conducting a thermal modelling analysis on the building and worked closely with the design team and contractor, Ardmore Construction, to engineer a combined smoke control and environmental solution. Based on SE Controls' SHEVTEC® system, which utilises the building's existing smoke shafts for natural ventilation,

significant thermal performance improvements were achieved along with major cost savings on the project.

This was achieved by the use of 0.5m² permanently open louvres at roof level and within the stairwell, while also utilising the automatic smoke dampers on each floor to vent heat into the smoke shaft. Dedicated smoke ventilation roof vents were also installed, which automatically override the natural ventilation system in the event of a fire.

In normal day-to-day operation, cooler air enters the building via the main doors, which are held open by electro-magnetic devices, and flows across the lobby before being exhausted through the ventilation system's roof vents. While the lobby temperature is controlled by a tamper proof thermostat, in the event of a fire, the lobby doors and smoke dampers close automatically, except the one located on the fire floor. This allows smoke to be drawn from the corridor, into the smoke shaft and away from the stairwell to maintain a smoke free escape route.



The entire system is controlled by networking the smoke ventilation system's smoke dampers on each floor with SE Controls' OS2 controllers incorporating OS link network cards. In addition, the system also incorporates an SE Controls NVLogiQ room controller in the first floor lobby core to monitor and log the system's performance for future analysis and tuning.

Contact SE Controls on 01543 443060 or visit www.secontrols.com

Under floor air conditioning



Under Floor Air Conditioning has proved to be a flexible and modular approach for the iconic Tricorn House building situated on the Hagley Road in Birmingham, for more than 10 years. In 2014 AET Flexible Space supplied and commissioned their under floor air conditioning systems to two additional floors in the 12-storey building; the 7th floor and the 9th floor as well as fit out equipment for the 9th and

10th floors. The AET Flexible Space system utilises the plenum as the ventilation duct, eliminating the need for ceiling based duct work, making it easy and economical to adapt to changes in the workplace.

01342 310400 www.flexiblespace.com

Red Kite flies in to tackle fuel poverty



A housing organisation is aiming to tackle fuel poverty for its tenants through the use of renewable air source heat pumps, which are helping save hundreds of pounds a year on heating for each home. Red Kite Community Housing installed 32 of Mitsubishi Electric's Ecodan heat pump systems over a year ago in homes that have

previously been using solid fuel, and the organisation is now looking at extending this programme to tackle its remaining properties off the gas network. "We offered our tenants a choice for their new heating system and we chose to go with Ecodan based on the predicted savings and the comprehensive support available from the manufacturer," explained James Brownbill, project manager for Red Kite.

01707 282880 www.ecodan.co.uk

Developer sings praises of EnviroVent system



The Sunday School on Grove Road in Harrogate has undergone a sympathetic restoration and the occupants will experience all the benefits of a Mechanical Ventilation with Heat Recovery (MVHR) system from ventilation specialists EnviroVent. EnviroVent recommended an energiSava 380 MVHR system for the stunning

3,500 sq ft home, which stretches over three floors. Part of the award-winning Lifetime Range®, the energiSava 380 is a whole house heat recovery system, which provides all-year-round healthy indoor air quality. The system is extremely easy to use, with its 'set and forget' controls and it intelligently tracks and monitors humidity levels, detecting any rise in humidity.

Test service eliminates 'guesswork'

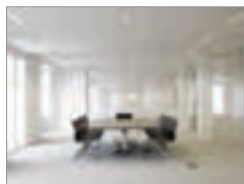


Building services engineers can be assured their ventilation strategy will deliver, even before a single component is installed, through state-of-the-art testing services. Gilberts of Blackpool, one of the UK's leading independent suppliers of natural ventilation solutions, and commercial

grilles and diffusers offers, in house, a full Computational Fluid Dynamics (CFD) service. Thus, any proposed system can be computer modelled, to ensure not just regulatory compliance, but that the scheme delivers the expected performance in terms of air movement and thermal requirements. All Gilberts' natural ventilation systems are engineered to order, in the UK.

01253 766911 www.gilbertsblackpool.com

Underfloor air conditioning



Specifying heating and cooling services for commercial workspaces can be challenging. Making use of the plenum beneath a raised access floor as the ventilation duct can introduce a number of ways to benefit by providing fully flexible, modular building services that can be adapted to requirements. The AET Flexible Space system is

a duct-free approach to air conditioning which can offer a number of savings. Such systems have reported total construction cost savings of up to 7 per cent, reduced energy consumption of up to 30 per cent, and the ability to reduce building height or maximise the available lettable space.

01342 310400 www.flexiblespace.com

Special design removes need for leak detection



The installation of new air conditioning system into a Buckinghamshire hotel – The Crowne Plaza, Gerrards Cross – is demonstrating how the clever use of design and specification can remove the need for leak detection equipment in occupied spaces.

Turn Key Air Conditioning Ltd (www.tkac.co.uk)

installed a Mitsubishi Electric City Multi heat recovery system into the hotel, to offer guests the ultimate in modern complete comfort and style. In close association with Mitsubishi Electric Value Added Reseller PACAIR (www.pacair.co.uk) Turn Key designed the system with the minimum amount of refrigerant in each bedroom to comply with EN378 legislation.

01707 282880 www.mitsubishielectric.co.uk

UPS2 – the big story



Grundfos introduces the latest additions to its UPS2 circulator family of British built pumps the UPS2 25-80 and 32-80. These pumps have been specially designed to augment the current range and provide 8m options. Offering a number of benefits, these pumps deliver enhanced efficiency that meets the latest EuP/ErP requirements.

These circulators have new more powerful

motors and improved hydraulics which makes them perfect for use in a range of large domestic and small commercial applications as they can deal with a flow rate of 5.7 m³/h and a system pressure up to 10 bar.

01525 850000 www.grundfos.co.uk

Seal of approval for Panasonic



Panasonic has been recognised by The British Allergy Foundation, receiving the Allergy UK 'Seal of Approval' for its Nanoe-G air purifying technology. Nanoe-G is a revolutionary air purifying system which is used in all Panasonic Etherea air conditioning units. Using nano-technology, fine e-ion particles are released by the air conditioning system, which deactivate 99

per cent of airborne bacteria and viruses in the filter's indoor unit. This ensures that the air is cleansed rapidly. It works effectively on airborne and adhesive micro-organisms such as bacteria, viruses and mould, thus ensuring a cleaner, healthier environment. It also neutralises odours to provide a more pleasant and healthy environment.

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enquiries@consortep.com



Reliability is the key to valve specification

The reliability of Horstmann ZonePlus Z series motorized zone and diverter valves is making them the first choice for new installations, upgrades and maintenance replacements in Bournemouth Borough Council. "Our housing stock consists of approximately 6,200 household properties plus a number of corporate buildings that we maintain and over the course of a year we would install approximately 300-400 Horstmann valves," explains Jamie Riggs, senior gas & plumbing supervisor for the Council. ZonePlus Z Series motorised spring return zone and diverter valves were completely upgraded by Horstmann a few years ago and are now widely recognised for their reliability. The valves are all supplied with a 1.4m electrical connection cable (to accommodate easier installation in inaccessible areas) compression fittings and a removable quick change actuator. They are also covered by a two year guarantee.



Healthy Residential Concept®

Enhancing the living comfort within a contemporary design

Reducing carbon and saving energy are the major points of discussion when talking about new builds or renovation. However, we also have to think about the creation of a healthy and comfortable living environment for the owners and occupants. Consideration is needed as to how to create good indoor air quality (IAQ), a comfortable temperature and controlled daylight in the house to create a better living environment.

RENSON® wants to help you in finding those solutions. By combining ventilation and sun protection with other desirable solutions into a Healthy Residential Concept®, we are able to provide complete solutions for a healthy and comfortable 'home'.

When designing, building or renovating a property, the inclusion of increased insulation and better air tightness has knock-on effects to the property. You need to consider the risk of increased condensation, moisture and poor indoor air quality, all of which will affect your health. Basic ventilation guarantees an adequate indoor air quality. DCV will constantly monitor and adjust the ventilation rates as per the changes in indoor air quality. When the contaminated air is extracted, a natural airflow through the window vents will ensure the supply of fresh air. Intensive ventilation uses natural airflow to cool down a building and its air content.

During recent years, outdoor living has become a real hype. We are looking to achieve the same level of comfort inside and outside of the house not



just in summer but throughout the year. By installing a RENSON® terrace cover, outdoors can be enjoyed come rain or shine. The end user can manage the environment and decide how much sunlight they would like on their terrace or what kind of atmosphere they want to create.

01622 754123 www.rensonuk.net

Two new gas stoves from Valor



Valor has launched two gas stoves under its Valor Centre brand, giving housebuilders the chance to include lower maintenance, more efficient alternative to solid fuel stoves in projects. The new Brunswick and Ridlington gas stoves provide all the charm and atmosphere of a solid fuel stove with added control and a superb flame picture. With a stylish matt black finish, the 4kW Brunswick is a small and compact design suitable for most homes, while the Ridlington is ideal for bigger rooms, boasting a 5kW heat output.

Both models offer 81 per cent efficiency and are available in natural gas with an option to convert to LPG if required. Added peace of mind is provided with a three year guarantee from Valor, one of the most recognisable names in home heating.

Tracey Falshaw, product marketing manager for Valor, said: "The Brunswick and Ridlington gas stoves are a fantastic choice for those homeowners who want the look of a stove but are put off by the maintenance and inconvenience associated with solid fuel. There is no doubt that solid fuel stoves remain a popular choice for their aesthetic appeal but gas models such as these combine affordable heating with no need to buy and store fuel."

Nano technology provides point-of-use safety



DELABIE is launching its new TMV3 approved point-of-use thermostatic mixer the Premix NANO. Its compact design can supply mixed water for one or two basin taps or one shower. The new HSG 274 part 2 guidelines recommend installing type 3 thermostatic mixing valves for high risk users i.e. very young, very elderly, infirm, mentally disabled and physically disabled. Due to its compact size the Premix NANO fits discreetly under a basin or close to the shower outlet. Thermal shocks are also possible, allowing hot water up to 85°C to pass through both hot and cold water channels. The Premix NANO is extremely precise. Pre-set at 38°C, the mixed water can be adjusted from 34 - 60°C. Temperature, pressure and flow rate are regulated, delivering safe mixed water in any installation. Moreover, its automatic failsafe ensures instant shut-off if the hot or cold water supply fails. Certified by Buildcert and WRAS, the Premix NANO is approved to NHS Estate D08 specifications. As facilities managers look to reduce water and energy consumption, flow regulators are becoming more prevalent. The Premix Nano has a minimum required flow rate of 3 lpm and is capable of supplying a stand-alone outlet in BREEAM approved installations.

01491 824 449 www.douglasdelabie.co.uk

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Combined fire safety, natural ventilation and energy efficiency at new DEA HQ

One of South Africa's most energy efficient and innovative buildings is using precision actuators and controls from SE Controls to ensure the natural ventilation and smoke control system operates effectively at the Department of Environmental Affairs' (DEA) new head office in Pretoria.

The DEA is the first government building in South Africa to be awarded a 6 Star Green rating from the Green Building Council of South Africa (GBCSA). It also achieved the highest score for a large commercial office space of this scale, due to the highly energy efficient sustainable design and the extensive use of 'green' technologies.

The three-storey head office provides more than 27,000m² of floor space and uses solar shading, water recycling and extensive photo-voltaic arrays in the north car park and on the roof, which provide more than 10 per cent of the building's annual energy load. An energy efficient mixed



mode natural ventilation system is also installed to manage indoor air quality and temperature, which provides a comfortable working environment for staff.

The building's internal space is separated into several self-contained 'pods' each of which is naturally ventilated by atrium vents and automatically opening windows. The vents and windows are operated by 104 SE Controls' SECO N 24 40

600mm stroke length chain actuators and controlled by 20 OS2 Type 21 control panels supplied by SE Controls' South African operation, which has offices in Durban and Johannesburg.

In addition, SE Controls Africa also supplied PIR sensors for each automatically opening window to avoid the risk of finger entrapment during operation.

The natural ventilation system, which also operates in 'night purging' mode to cool the building and reduce the need for artificial cooling during summer months, is linked to both the supplementary evaporative cooling system and the smoke control system via the central BMS.

This integrated approach not only allows the ventilation system to operate in different modes, to maintain cooling and comfort, but also provides effective smoke control to ensure escape routes are kept smoke free, if a fire should occur.

01543 443060 www.secontrols.com

Videos describe real benefits to real people



Mitsubishi Electric has just released three new testimonial videos to highlight the benefits of Ecodan renewable heating in real world situations. The videos feature the views and experience of a social housing tenant from Prices Risborough, Buckinghamshire; a heat pump installer; and the

project manager from Red Kite Community Housing in High Wycombe. The videos join several other testimonials currently available on the company's website, with Mitsubishi Electric building up examples from Ecodan users around the country. For more information visit the Ecodan website and click on the literature and videos link in the left hand bar.

01707 282880 www.ecodan.co.uk

Low noise high performance with Xpelair



Xpelair has extended its family of new Simply Silent™ Contour fans with the launch of a constant volume (CV) range incorporating Intelligent Adaptiflow™ Sensing, a smart technology which senses changes in airflow and adapts the fan speed intuitively to maintain a constant volume of extracted air. The new range of dMEV fans operate in a trickle mode, constantly ventilating the property but with a boost facility to

automatically increase the airflow when required, either by the integrated active humidity sensor or when manually operated by the light switch. It is available in round or square fascias, giving a choice of four products in total with low voltage options, bringing the total Simply Silent™ Contour range to 12.

Eurostove



True to their policy of introducing only the best quality and highest performance wood burning stoves to the UK market, Eurostove can now offer the Fogo Montanha steel constructed stoves from Portugal. The initial introduction comprises six stand alone and DEFRA approved wood burning stoves which can be used in urban smoke controlled areas. The Fogo Montanha stoves 4mm carbon steel exterior encases a vermiculite or refractory brick lined interior for long

term durability and heating power, along with low wood consumption and low CO emissions.

Tel: 01934 750500 www.eurostove.co.uk

RAK innovations and designs at SDS 2015



RAK Ceramics is set to launch a series of new tile innovations and designs at the Surface Design Show 2015. Exhibiting at the event for the first time, the world's largest ceramic manufacturer will be showcasing monster-sized porcelain slabs, rain-effect mini-mosaics and uber-luxe platinum-effects. All designs feature

new technological processes and will be shown alongside other stunning natural-effects from RAK's best-selling Tile Collection. RAK Ceramics' Chairman, Rob Jull commented: "We believe that our new technologies, which were first unveiled at Cersaie in Bologna, will be of real interest to designers and specification teams."

01730 237850 www.rakceramics.co.uk

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18i

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Defra approved



50i

6.5 kW output
84% efficient
Defra approved



60i

7.5 kW output
84% efficient
Defra approved



70i

10 kW output
77% efficient
Large output



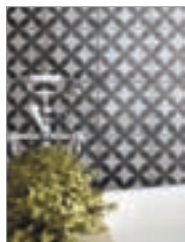
60i Low

6.5 kW output
78% efficient
Wood only

70i Low

8.5 kW output
73% efficiency
Wood only

Inspiring graphic tiles

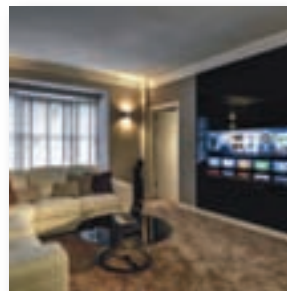


Solus Ceramics introduce Illustrate, a brand new range of floor and wall tiles that capture the most exciting and current trends for colour and pattern. Inspired by concrete and cement textures, each tile in the range is full of character and features beautiful tonal effects, shadows and speckles and delicate stains. Six chalky options provide a solid core of neutral colour, while a variety of exciting decors can be used to create graphic patterns, geometric displays and patchwork designs.

Illustrate will be available to view in person at The Surface Design Show from the 10-12 February where Solus Ceramics will be exhibiting at stand 250.

0121 753 0777 www.solusceramics.com

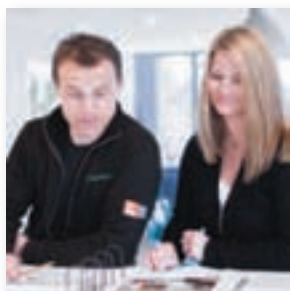
Amina Technology Ltd



The most recent innovations in cinema audio technology are fully immersive, three dimensional sound systems, the main proponents of this being Dolby Atmos® and Auro-3D® which uses additional height layers of speaker channels. Amina Technologies have developed DMLs to a point far beyond peoples' expectations for hidden loudspeakers. By using flat, lightweight, rigid vibrating panel technology their speakers are designed specifically to be flush mounted and plastered directly onto with standard 2mm thick trade finishes. Plus, against conventional perceived wisdom, the resulting sound quality is not "muffled".

Tel: 01480 354390 www.amina.co.uk

Intelligent Abodes



Home automation specialist Intelligent Abodes has recently launched a video explaining how the company works with clients to tailor home control – lighting, heating, audiovisual, curtain/blinds and security – to optimise a space. Karen Chugg, managing director of the Exeter based company explains: "We work alongside designers, architects and homeowners, on projects of all sizes, to ensure that technology enhances an environment. It can add functionality, fun, improve

security, help to declutter or save energy and it always adds value." Don't forget to consider home automation early on in a project.

Tel: 01392 314710 www.intelligentabodes.co.uk

Its time to come together!



Cottage Craft Spirals has been rebranded as 'British Spirals and Castings' following the decision to merge the three brands of Cottage Craft Spirals, Tilley's London Castings and Milton Aluminium Castings. Richard Harding, managing director of British Spirals & Castings commented: "We are delighted to introduce the new

brand to our existing and prospective customers. We took the decision to merge the three individual brands to present a more cohesive offering, whilst still being able to provide the personal and bespoke service we have always delivered." As part of the rebrand British Spirals and Castings has launched a new website where customers can find detailed information on all the products and ranges available.

01663 750 716 www.britishsc.co.uk



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Premier Loft Ladders are the preferred choice of architects and building industry professionals throughout the UK, and their range of COLUMBUS Treppen stairways leads the way in engineering quality, design, technology and energy efficiency, making Premier the foremost supplier of concertina style aluminium and folding or sliding style wooden loft and access ladders. Our stairways have a wide range of options including flat roof access, fire resistant trapdoors, electrical operation (concertina stairway) and vertical access.

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SPIRAL STAIRS



Encasement adds style at new flagship Debenhams store

Debenhams' new 50,000 sq ft flagship store at the Coliseum Shopping Park in Cheshire Oaks, Merseyside, is using bespoke design square 'Forma' aluminium column casings from Encasement, to help create a stylish retail environment for shoppers, while also concealing structural steelwork.

The new Debenhams store is the first to adopt the retail park format and has two-floors housing a cafe, men's fashion and a health and beauty hall as well as offering a range of exclusive womenswear.

Working directly for the project's major contractor, Simon's Group, Encasement's metal column casings were chosen by the company to conceal structural columns within the store as part of the extensive, high quality refurbishment and interior refit programme they undertook for Debenhams.

All of the metal column casings were manufactured from 3mm thick aluminium, which combines strength with low weight and were finished

in a Tiger Drylac textured PPC coating in matt white RAL 9003, to give an aesthetic finish while resisting scuffs and damage in high traffic areas.

Although all of the 23 Forma casings measure 375mm square and stand 3,100mm high, three of them incorporate a full-length mirror on one side, while a vertical full colour LCD display screen is integrated within a further casing to promote special offers and products to shoppers.

Encasement's Managing Director, Martin Taylor, explained: "While we undertake a significant amount of work in the retail and shop fitting sector with a range of well known high street brands this new Debenhams store is among our most prestigious projects and is the first to incorporate LCD screens within the column casing design.

"One of the strengths of Forma casings is that even though aluminium provides a light weight and easy to install casing solution, it is also strong



enough to enable elements such as mirrors, LCD screens and promotional displays to be integrated within the design."

01733 266 889 www.encasement.co.uk

Reginox launches Admiral 40



Sinks, taps and accessories manufacturer Reginox has launched the Admiral 40, a stylish stainless steel sink that is ideal for installation where space is tight. Featuring modern styling combined with a number of accessories, the sink has a standard size bowl and a half drainer and measures 615 x 490mm in total, with a bowl depth of 180mm. Manufactured

in 18/10 stainless steel, it is the perfect compact sink for the smaller kitchen or new build apartment where style and quality are high required. It is also equally suitable for use in utility rooms.

01260 280033 www.reginox.co.uk

Sleek and sociable



This stunning open plan kitchen with curved dining area is from the Charles Yorke Rio Valencia range. The project designers, Charles Yorke retailer Jones Britain, chose DuPont™ Corian® supplied by CD UK for its thermoforming capabilities particularly for the island

unit where the worktop opens out into a curved seating area. The simplicity of the design and clutter free layout enhances the visual appeal of the furniture by allowing the colours and woods used to take centre stage. This particular kitchen was nominated for a KBBReview Award 2014, for Kitchen Designer of the Year as a finalist.

0113 201 2240 www.cdukltd.co.uk

Carron Phoenix Logica sinks aim



Carron Phoenix's Logica polished stainless steel inset sink range is designed to hit the spot for the contract market combining modern design, precision manufacturing, competitive pricing and built to last quality. The reversible Logica 100 and 150 models combine smart design with assured quality, backed by a lifetime guarantee. It offers the benefit of a higher spec, yet cost-effective alternative to the standard

monobloc sink products around bringing added value to a project. With a clean design and linear drainer pattern, it offers a distinct 'designer' feel, perfect for adding style and flair to a new build project.

01324 638321 www.carron.com

Firebird Heating Solutions



Firebird Heating Solutions has introduced a multi-fuel version of its oil fired range cooker to offer options for the wider market. Uniquely, the multi-fuel range cooker, like its oil fired counterpart, incorporates a heating boiler with an efficiency of up to 80 per cent and which provides a high heat output of up to 15kW to heating and 4kW to the room where the cooker is located. The new multi-fuel version is suitable for use with wood or ancit smokeless coal and, in addition to being a must have

for the upmarket home, is excellent for traditional cooking. It is also compatible with Firebird's innovative solid fuel heat exchanger.

Tel: 01752 691177 www.firebirdrangecookers.com

New Franke Muri tap saves with style



The Muri kitchen mixer tap from **Franke** is a modern classic featuring the ever-popular swan neck design, but is up to the minute with its benefit of an optional flow limiter that saves money on water bills by reducing the amount of water used. With a flow limiter, the running rate of the water is slowed down from 5 litres to 3 litres per minute but does not compromise the performance or functionality of the tap. Design wise, the Muri features softened corners on the

tap body, shoulders and twin tap levers mirroring the trend in sink styles to be less angular and more organic.

0161 436 6280 www.franke.co.uk

Shaws of Darwen



Egerton is a popular Shaws of Darwen, British-made, handcrafted double bowl fireclay sink featuring a unique and distinctive patterned front and the offset dividing wall is branded with the well-known Shaws logo to complete the finished look. This beautiful sink is from the company's Original Collection and comes without overflows but includes 3½" waste outlets for basket strainers or waste disposer. Shaws sinks are produced with a durable glaze in both white and biscuit

finishes designed for years of usage. Due to its weight, Shaws recommend this sink is installed professionally with bespoke cabinetry.

Tel: 01254 775111 www.shawsofdarwen.com

Shaws of Darwen Classic Shaker



This 'made in England' **Shaws of Darwen** Classic Shaker 800, double bowl, fireclay ceramic sink suits the more contemporary styles of kitchen design. The beautiful, simply designed shaker features a dropped central dividing wall and both sinks have round overflows and standard 3½" wastes for either basket strainer or waste disposer. Visit Shaws of Darwen's website to view the company's complete range of sinks and taps.

01254 775111 www.shawsofdarwen.com

Wonderful woodgrain from KBB



The new Bellissimo Pisa handleless, matt woodgrain range offers an incredibly authentic, rustic timber finish with the grain fashionably horizontal. It is available exclusively from **KBB**

Replacement Doors. There are five woodgrain colours: white;

bleached stone; beige; light walnut and grey drift. With 65 sizes plus panels and accessories, including a 300 x 300mm convex curve, the new range offers the flexibility to create bespoke kitchens in any situation.

0800 112 4973 www.kitchenbedroomdoors.com



JB Kind's 2015 collection



Whether it's an innovative, contemporary or classic door design you are after, you will be able to find it in **JB Kind's** new 2015 brochure. With 37 new additions and more than 200 door styles, JB Kind's superb quality products and undeniable value ensures you will be able to find something to suit your project and budget. Don't forget, if it's individually

tailored doors you require, JB Kind can also create affordable bespoke solutions. Fully accredited FD30 fire doors and FSC® chain of custody certified products are all available.

01283 554197 www.jbkind.com

Step up safety with Crown Trade Timonox



Specifiers overseeing winter maintenance schedules can introduce **Crown Trade Timonox** Flame Retardant Coatings to underpin fire safety management programmes. The system reduces the risk of fire spread on walls and ceilings, where multiple layers of conventional paint can create a flammable

surface if they have built-up. Multiple layers of conventional paint coatings – whether water or solvent borne – can make a previously non-combustible surface dangerous by their potential to burn, spreading fire rapidly and turning circulation and communal areas, or escape routes, into a mass of flames in seconds. However, Crown Trade Timonox offers a cost effective solution to address the situation.

0845 034 1464 www.crownpaintspec.co.uk

Faber Blinds achieves outstanding results



Faber Blinds makes up part of the Hunter Douglas Architectural Projects division in the UK and with more than a century of experience and product innovation the company is rightly recognised as a global market leader in window coverings. All Faber's products are manufactured BS13120 compliant and produce safe

solutions for people to use of all ages. Faber Blinds fully supports the BBSA Make It Safe campaign, which is endorsed by the Child Accident Prevention Trust (CAPT). The company is passing on this wealth of industry-leading expertise in a RIBA-approved CPD tackling the issue of sun control in sustainable buildings.

01604 766251 www.faberblinds.co.uk

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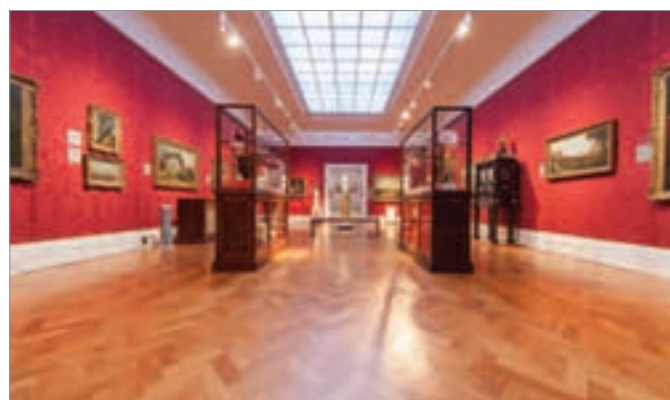
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Vicaima make an entrance with first European Peninsula Hotel

Interior door specialist **Vicaima** was selected to provide joinery solutions for the Peninsula Paris Hotel, which is the first hotel of the HSH Group (Hong Kong and Shanghai Hotels) in Europe. Exclusively designed for this project, the brief included doors, frames, skirting boards, panels and technical shafts, with tailor made detailing. The luxurious Peninsula Paris Hotel has 200 rooms and 34 suites, and was opened in August. Built close to the Arc de Triomphe, this important 19th century building has been given a meticulous renovation, blending old world charm with modern innovation to outstanding effect. In order to exceed the expectations of this hotel, Vicaima products were subjected to audits and monitoring of the project, which was carried out through constant inspections, both during production and during product installation.

01793 532333 www.vicaima.com



Mega protects historic museum floor

Founded in 1683, the Ashmolean Museum is the most significant museum of art and archaeology in the UK, and welcomes more than a million visitors each year. Oxford based flooring firm, ACH Flooring, regularly recoats the original oak herringbone floors in the City's Ashmolean Museum with **Bona Mega**. Cleverly formulated to use oxygen as a crosslinker, Bona Mega delivers the performance of a two component lacquer in the convenience of a one pack product and is designed to offer high wear and chemical resistance in domestic, commercial or public environments. A sustainable, NMP free lacquer, Mega provides the museum's maintenance team with a durable, easy to clean surface. Bona Cleaner and Bona Polish are used for ongoing maintenance of the floors. Bona Mega is available in four sheen levels including Extra Matt that combines a hard wearing surface with a very natural, almost 'invisible' finish to the surface.

01908 525 150 www.bona.com

Gerflor launches new 2015 LVT collections

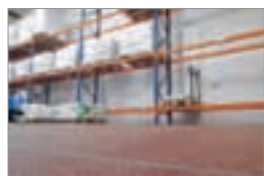


In February London's Business Design Centre will see international flooring and interiors specialist **Gerflor** showcasing its brand new 2015 collection of high quality luxury vinyl tiles and plank products. With more than 70 years' experience Gerflor's expertise in luxury vinyl tile design and development is second

to none. Visual appeal is paramount for specifiers and householders. Inspirational design coupled with exceptional quality are trademarks of Gerflor's flooring. These are qualities which will be showcased this year highlighting the 170 strong design collection of Creation ranges of luxury vinyl tile and plank flooring.

01926 622600 www.gerflor.co.uk

Remmers Floormix DQ – the ideal solution



The main production area of the Express Contract Drying factory in South Wales required refurbishment. The existing slabs created significant substrate challenges due to the mixture of old finishes and bare concrete. TPS360, the contractor for the project, was instructed to produce a new floor finish that

needed to be slip resistant with good chemical resistance while providing an attractive and highly durable finish. **Remmers Floormix DQ** flooring system was chosen for its special blend of decorative colour quartz aggregate and extreme durability which was ideally suited for this application. standard to avoid ponding.

0845 373 0103 www.remmers.co.uk

nora's rubber flooring in Innovation Centre



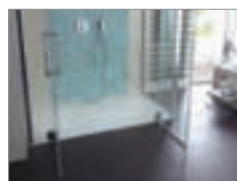
nora systems has installed 3,600m² of its 3mm thick noraplan signa acoustic flooring, which completely absorbs footfall noise, throughout the Danone Innovation Centre in Utrecht.

nora rubber floorings present the ideal solution for sustainable buildings in industry; characterised by its durability

and very dense material, nora rubber flooring is extremely robust, very easy to clean and does not contain any plasticisers (phthalates) or halogens making it a low emissions material promoting a healthy indoor climate.

01788 513 160 www.nora.com/uk

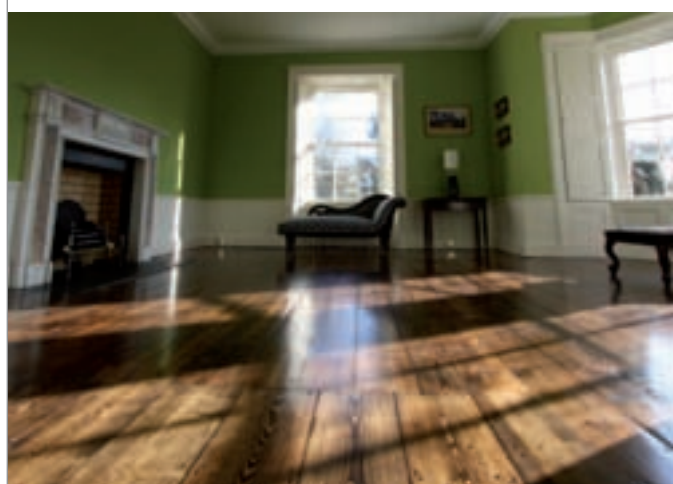
"Any grout joint is one too many"



The Asklepios Group, one of the largest companies in the German healthcare sector, and its members of the Green Hospital Program are focused on developing approaches to a "green" hospital. **Kaldewei** is currently fitting a model room at the Asklepios private

clinic St. Wolfgang in Bad Griesbach with the seamless enameled shower surface Xetis with integrated wall outlet and Kaldewei Secure Plus finish, a virtually invisible full-surface, anti-slip finish, ideal for hospitals. The surface of Xetis made of durable Kaldewei 3.5mm steel enamel is hygienic, easy to clean and protects against damage.

01480 498053 www.kaldewei.co.uk



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Bona
Passion for wood floors





Michael Woods Sports & Leisure Centre © Paul Zanre

Mapei floor system provides peak performance at sporting trio

Mapei floor systems have been installed at three leisure complexes in Fife and Aberdeen. They include a new £18 million regional sports academy in Glenrothes – the Michael Woods Sports & Leisure Centre, Kirkcaldy Leisure Centre and the new Aquatics Centre at Aberdeen Sports Village. All Mapei products were installed by Architectural Ceramics for main contractor, GRAHAM Construction.

Located on the former site of Fife Institute, the Michael Woods Sports & Leisure Centre provides competition-standard facilities for community

use, including extensive swimming, dryside and outdoor amenities. Nearby, Kirkcaldy Leisure Centre includes swimming, gym and dryside amenities, as well as a multi-activity children's play centre. The largest complex – Aberdeen Sports Village – is a premier sport and exercise centre, that hosts a range of world-class sporting facilities.

The floor specification at Glenrothes and Kirkcaldy included Mapei Mapescreed 704 and screeds containing Mapei Topcem binder; a high performance, fast-drying hydraulic binder which reduces installation time to 24 hours for ceramic

and two days for stone tiling. Mapei Mapeprim SP synthetic resin-based and solvent-free primer was then applied. Mapei adhesives – Keraquick, Keraflex, Kerapoxy and Adesilex P9 – were used to bond a variety of ceramic surfaces, throughout wet and dryside areas, at all three centres. Mapei Ultracolor Plus, a fast setting and drying flexible grout, was then applied, providing anti-efflorescence, water-repellent and anti-mould properties essential in a leisure environment.

Contact Mapei today for more information: 0121 508 6970 www.mapei.co.uk



Aquatics Centre at Aberdeen Sports Village © Paul Zanre



Kirkcaldy Leisure Centre © Paul Zanre

Improving patient quality of care



Improving the quality of patient care is being taken to new dimensions at Leighton Hospital in Cheshire with the installation of a Changing Places assisted accessible toilet. With more space for manoeuvrability than a conventional wheelchair accessible WC, a Changing Places toilet also has as standard a

hoist, adult-sized height adjustable changing table, and privacy screen. Supplied and installed by Clos-o-Mat, the Changing Places toilet also features a Palma Vita automatic shower (wash and dry) toilet, in place of a conventional WC, to further improve hygiene by eliminating the need to wipe clean with toilet tissue.

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

Saniflo unveils the new Kinemagic models

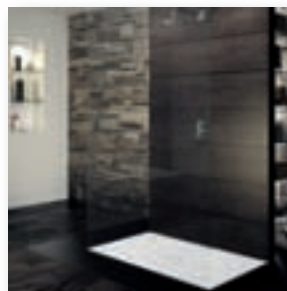


Saniflo has extended its range of Kinemagic shower cubicles to include Serenity, Design and Style, giving customers a more comprehensive range. Perfect for less able people, Serenity fits in the same space as an old bath, features integrated thermostatic shower control, a comfortable fold-down seat (up to 150kg), anti-slip flooring and secure grab bars. Design features sleek glass panels, an attractive anodised finish, 30mm shower tray

threshold for easy entry, cool-touch thermostatic shower and two options for height of overhead rain shower. Style is an attractive glass cubicle that can be customized to suit an individual's home. Style can be fitted with any shower valve.

020 8842 0033 www.saniflo.co.uk

Kaldewei



On stand S2010 Kaldewei will exhibit a selection of bathing and shower solutions made from their unique and sustainable steel enamel. Appealing options for low level shower surfaces include matt organic colour finishes, virtually invisible anti-slip and a new model, Scona, offering unprecedented value for a wide range of projects. The popular Puro bath ECO model with reduced water capacity, while still offering superb levels of design and bathing comfort. For high-end projects,

the Meisterstücke collection of baths with seamless enamelled panelling provides the ultimate expression of luxury for freestanding bathing.

Tel: 01480 498053 www.kaldewei.co.uk

Luxury developer chooses Wetrooms UK



Luxury house developer Octagon Developments required waterproofing and drainage solutions for its prestigious £17 million house in Virginia Water.

Wetrooms UK was approached to supply and install wetroom systems and waterproofing solutions into the Master

Bathroom, Gym and three further En-Suites. Wetrooms UK recommended the installation of Linear Screed Drains into each of the wet areas of the development, capable of coping with flow rates of up to 29 L/min. Falls were created within the screed before the Linear Screed Drains and solid linear grills were installed.

0845 045 6001 www.wetroomsuk.co.uk

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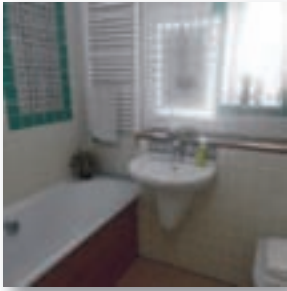
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Hansgrohe



Hansgrohe EcoSmart products were specified for a groundbreaking eco efficient home renovation project in Oxford. The Talis E basin mixer provides modern looks and good performance despite a flow rate of just 3.5 l/min. The hand shower Crometta 85 Green delivers 6 l/min; it's operated by a concealed thermostatic control to ensure a constant safe temperature, and diverts to the Exafill bath filler. The shower room houses the Croma 220 overhead shower; delivering a generous downpour but with an EcoSmart flow rate of 9 l/min. The hand shower is the Raindance Select S120 hand shower, also delivering 9 l/min.

Tel: 01372 465655 www.hansgrohe.co.uk

Abloy gains UK first padlock standard



Security expert **Abloy UK** is proud to add a new padlock standard to its already impressive and comprehensive list of padlock achievements by gaining certification to Loss Prevention Council Board (LPCB) LPS 1654 Issue 1.0. LPS 1654 Issue 1.0 is the latest LPCB standard for physical security and is seen as the ultimate test for padlocks incorporating the most stringent physical attack tests, intentionally designed to meet the security needs of the UK

Infrastructure. Padlocks that achieve LPCB approval to LPS 1654 have performed effectively in rigorous test programmes conducted by the BRE's highly experienced team of attack testers.



Luxury Duchy Homes in Chesterfield

Luxury property developer, Duchy Homes brought in **Designer Contracts** to add its marketing touch to the show home interior at its Treeneuk Gardens site. The development is home to eight five-bedroom properties. The site is surrounded by mature woodland and is easily accessible by road and rail. With a reputation for designing show home properties that respond to a tight marketing brief and deliver a rapid ROI to developers, Designer Contracts was instructed to create a scheme that would appeal to families requiring a sophisticated home environment. The result is a refined, cleverly zoned home, styled against a neutral palette of creams and taupes, highlighted with reds and blacks. A complementary neutral palette was adopted throughout the property to enhance the feeling of space and stay true to the design of the home, while touches of red were incorporated to add more interest and differentiate between various zones of the home.

01246 854577 www.designercontracts.com

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Securikey



Securikey, a leading UK supplier of physical security products, offers a safe range with an eye-catching difference. Safes don't have to be industrialised grey and lacking in style or a personal touch. Euro Grade safes come with the option of multiple customisations; from the outside colour to the inner compartments and the locking mechanism, everything can be made to order. Securikey's Euro Grade safes not only come with a multitude of functions and storage features but also offer the

opportunity to show off a person's individual taste with a huge range of bespoke colours made to order. This is ideal for those who want to blend their safe in with their home or office design, especially if space is limited.

A gem of an installation



Warrior doors were commissioned to design, manufacture and install a new high security doorset for Tulja jewellers to replace their existing entrance. The client specifically wanted an interlocking system featuring two sliding doors, which would be both convenient to use and provide a

higher level of security and protection for the premises and staff. Warrior doors chose FAAC's A140 sliding door operator due to its high performance capability. The doors are heavy because they are manufactured in stainless steel with African cedar hardwood inserts and 19mm ballistic resistant glass, plus there was an additional requirement to make the opening wider and higher than standard.

01256 318100 www.faac.co.uk

Clark-Drain launch drainage channel



Drainage product and access cover leader **Clark-Drain** has launched the CD 430, a new CE marked, block slot channel made from 100 per cent recycled polypropylene which is fully certified for block paving and for concrete. Clark-Drain believes that the CD 430 is essential to domestic

driveway applications because it offers a more robust and durable solution to the Class A15 block slot drainage channels often installed and answers the question over their suitability to manage the increasing loads of present-day cars and vans.

01733 765317 www.clark-drain.com

Limetec colour-matching service



Sustainable building systems company **Limetec** has introduced a full colour-match service for its range of Baunit decorative finish render products. With its new tinting set-up, Limetec customers can choose from the 888 standard colours or create a bespoke shade to match their specific building's requirements. Baunit

are on of the European leaders in lime-based breathable renders. Limetec brings all of their eco-friendly products to the UK, ideal for conservation/renovation projects, historic buildings, new homes, self-build and mainstream commercial applications.

01235 434300 www.limetec.co.uk

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Osmo



When a family took on a new self-build project in 2008 to build a 'double log' construction as their new home in Woodhead, Aberdeenshire, they were in need of interior and exterior wood treatment. Osmo's eco-friendly wood finishes were recommended to provide an aesthetically pleasing and long-lasting protection. Six years on and the Osmo finishes are still providing optimum results. The homeowner chose to use Osmo Natural Oil Woodstain in Pine (700) for exterior

wood and Osmo Wood Protector for all interior wood. Osmo Natural Oil Woodstain, an oil-based protective finish was applied to the exterior of the house. The finish provides protection against all weather conditions.

Hauraton surface drainage projects website



A case studies website, www.drainage-projects.co.uk has been activated by **Hauraton Limited**, a leading provider of surface water drainage systems in the UK. Utilising the latest software, the new website can be viewed on all digital devices using responsive technology – i.e. the new website automatically resize fonts and images so they can be easily read on iPhone, iPad, Mac computers, android phones, tablets and Windows computers

via the internet. The website also incorporates a customer support portal and links to Twitter, Facebook, YouTube and Hauraton's product website.

www.drainage-projects.co.uk www.hauraton.co.uk

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Schöck performance for world's largest Passivhaus scheme

The historic city of Heidelberg in south-west Germany is residentially very popular, with barely any property available in the city's picturesque old town and little room for expansion. The spectacular solution is to build a completely new district – the Bahnstadt – on a 286-acre area that was once Heidelberg's rail freight and marshalling yards. The €2 billion initiative is claimed to be the largest single Passivhaus development in the world and by 2022 will provide living space for around 5,000 residents. All buildings, not just residential properties, will meet advanced Passivhaus standards.

Balconies are an important feature in Bahnstadt, but with high insulation levels and the prevention of thermal bridging being critical in Passivhaus design, balconies have not been a popular choice with designers. The Schöck Isokorb type XT structural thermal break unit has changed that perception. This latest generation product for concrete-to-concrete applications offers such a high level of insulation that the Passivhaus Institute in Darmstadt has awarded it with the 'low thermal bridge construction' certificate and confirmed its suitability for Passivhaus construction.

Thousands of type XT units are incorporated into the Bahnstadt development and the major reason for its suitability is the thickness of the insulation body. Now increased from the standard 80mm to 120mm, the thermal insulation performance is up by 30 per cent when compared with the standard range and impact sound insulation is increased by around 50 per cent.

The type XT offers architects and engineers a variety of design options,



including the capability to construct stepped height balconies, with increased fire protection also taken into account. High quality stainless steel bars are an integral part of the unit and although the rod diameter is smaller, the tensile strength is improved and the same load-bearing capacity maintained. This means a reduction in the thermally conducting cross-section,

The Schöck Isokorb range allows connections to be made between concrete-to-concrete, concrete-to-steel and steel-to-steel – and in the UK, all units meet full compliance with all relevant building regulations, while also providing BBA Certification and LABC Registration.

For your free copy of the Schöck Specifiers Guide and the Technical Guide contact Schöck on 01865 290 890 or visit www.schoeck.co.uk

Punk: aggressive accessories

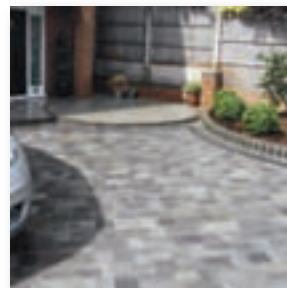


PUNK, the disruptive new power tool accessories brand, has been designed to give tradesmen the edge. The PUNK cases launched this month are the ultimate protection for all power tool accessories. The PUNK case is a hardwearing and compact holder with a unique

interchangeable system for multiple storage options. The cases have been developed to seamlessly fit with a selection of 10 individually cased sets, including a 10pc Percussion Drill Bit Set, RRP £12.95, a 29pc HSS Drill Bit Set, RRP £39.95, and a 24pc Assorted Set, RRP £19.95.

www.punkpower.co.uk

Brett Landscaping



Presenting an ideal complement to its increasingly popular Alpha and Regatta TRIO block paving ranges, Brett Landscaping has now enhanced its versatile, preselection of paving products for its merchant customers with the introduction of the new Beta TRIO block paving range. The high quality TRIO packs from Brett have proved consistently popular with merchants, meeting a requirement for their small builder and DIY customer base to buy paving without wastage. The pre-

packed solutions give merchants a product their customers can install with ease and reduce waste without compromising on quality.

Tel: 0845 608 0570 www.brett paving.co.uk

Living walls are key to improving London's air quality



London's air quality presents a huge problem for residents and now contributes to a death rate of 10-18 per cent from illnesses caused by pollutants. The principal source of air pollution is traffic and despite the UK government enforcing low emission zones in London the air pollution levels have not fallen as much as expected. Research at universities across the UK highlight living walls as key to the improvement of air quality in cities. Kings College and Imperial College highlight the impact plants play in reducing nitrogen dioxide and particulate matter – two of the key components in poor air quality. The University of Lancaster found living walls to be more effective than street level trees at reducing nitrogen dioxide in dense urban areas with high pollution levels. This is due to the nature of city landscapes, the tall buildings create 'street canyons' which traps pollution at street level, living walls can increase the deposition rate by as much as 40 per cent of nitrogen dioxide and 60 per cent for particulate matter as the cleaner air from above the street canyons is introduced. **Scotscape Landscaping** is committed to working with councils, schools, businesses and individuals to install living walls and improve the air quality across London. For more information on the additional benefits of living walls please visit the company's website or get in touch.

0208 254 5000 www.scotscapelivingwalls.net

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With our innovative "Lift&Slide" hardware system Roto Patio Life for timber and VEKASLIDE PVC profiles, it is possible to move large and heavy balcony doors up to 400kg sash weight across a total frame width of up to 6.5m with extreme ease. What's clever about this is that instead of the complete sash, only the horizontal seals are raised – with great simplicity via the handle.

The space-saving opening of balcony doors with Lift&Slide sashes instead of Turn-Only sashes permits optimum use of space, as no sashes project into the room. Thanks to the generous window dimensions, plenty of light can enter the room which, together with the refined design, gives discerning customers a feeling of well-being.

Suitable for:

- Lift&Slide systems made of the frame materials timber or timber/aluminium and PVC with VEKASLIDE profiles
- Sash weights up to 400kg
- Frame external width up to 6,500mm
- Sash rebate width 760 - 3,235mm
- Sash rebate height 690 - 2,670mm

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email info.west@roto-frank.com or visit www.roto-frank.com

