

building construction design

www.buildingconstructiondesign.eu

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Mixing it up with The VEKA UK Group



The VEKA UK Group was delighted to welcome Vince Cable back to the company's Burnley HQ to officially open the system supplier's impressive, new mixing plant. The Business Secretary enjoyed a tour of the Farrington Road site with the UK Company Directors and Global VEKA Group Board Member Boni Eichwald, who had travelled from Germany to attend the opening of the

state-of-the-art mixing plant, which has seen investment of £5 million. The VEKA UK Group's new facility is now the most technically-advanced mixing plant in the UK. It has been designed with future expansion in mind, which could potentially take capacity from the current 48,000 tonnes to a possible 72,000 tonnes.

01282 716611 www.vekauk.com

Ancon launches BIM object library



High integrity steel fixings manufacturer Ancon has launched a comprehensive BIM object library to support the industry's transition to digital building modelling. Available free from the NBS National BIM Library, the new BIM objects allow Ancon

products to be easily incorporated into a 3D building model and its associated component database. Ancon BIM objects cover a wide range of its products, including standard cavity wall ties and other masonry restraints, masonry supports, windposts and masonry reinforcement, tension bar systems, shear load connectors, stud rails and reinforcement continuity systems; all of which are critical to the structural integrity of a building and essential to an accurate BIM model.

0114 275 5224 www.ancon.co.uk

Vent-Axia welcomes David Cameron



Sussex-based British fan manufacturer Vent-Axia was delighted to welcome Prime Minister David Cameron on a visit to its headquarters in Fleming Way, Crawley, West Sussex. Mr Cameron visited the successful Sussex firm to view its assembly lines that were brought back to the UK from China. The new production lines

create 35 new site jobs in a tough economic climate and increase the number of its assembly staff on site employed by 50 per cent compared to before the reshoring.

0844 856 0590 www.vent-axia.com

Avonside acquires assets of Dodds



Avonside Group Services has continued its strategic expansion with the acquisition of the assets of Dodds Roofing Services, one of the most respected roofing companies operating throughout East, West and North Yorkshire and, in so doing, has saved the jobs of all personnel. Tony Burke, Managing Director of Avonside Group Services, explains: "The acquisition of the assets of Dodds Roofing Services of Driffield further adds to the strategic development of

Avonside Group as it strengthens its presence in the north east." The business will be part of the Avonside Group but its heritage will be respected by its branding as Dodds Roofing & Solar.



Eurobond launches BIM library

Eurobond Laminates has launched BIM files for its range of stone wool core internal and external wall and ceiling composite panels.

It includes material colours and COBie datasheet parameters and the designer is supported by a wide range of construction details.

The files are available in a number of file formats to help ensure that the majority of BIM users can benefit from using them.

The new BIM files – which include those for Europanel, Rockspan and Firemaster – are available via the company's new website or by contacting Eurobond Laminates Technical Service team.

02920 776677 www.Eurobond.co.uk



Faber Blinds conform to child safety standards

Child safety is a key aspect of the complete range of Faber Blinds solutions and the company, now part of the Hunter Douglas group, is one of the few commercial blind companies that conform to EN13120, which means the brand's child safety blind solutions create an attractive environment that is safe for the people who use it. If you have premises or are planning a project where children under the age of 42 months are present or are likely to have access, you must install blinds which are compliant with the child safety requirements of EN13120. Although the lawful requirements may be implemented at a later date, the company has a moral obligation to sell, produce and install its blinds in the safest way possible. For that reason, it is Faber Blind's policy to comply with the new regulations from 01.04.2014. This applies to all public buildings and the publicly accessible areas of commercial buildings.

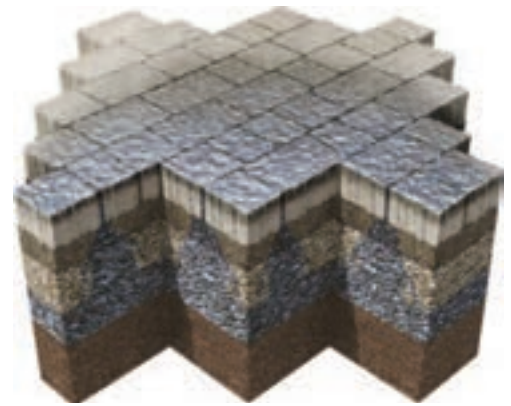
01604 766251 www.faberblinds.co.uk

Enforcing current legislation critical to driving the adoption of SuDS

As communities across the UK continue to be devastated by floods, Marshalls asks why local authorities are not enforcing existing Sustainable Urban Drainage Systems (SuDS) legislation, and questions what is really causing the delays to the release of the National SuDS standards

Inland flooding is occurring more often for two main reasons. Firstly, weather patterns are changing, meaning that rainfall events are happening more frequently, more intensely and for longer periods of time. In addition, as we continue to pave over porous green landscapes, rainwater is prevented from soaking naturally into the ground at source and instead accumulates and flows at high speed into water courses and drainage systems that were not built to cope with this deluge. In relation to the recent flooding Lord Smith, the chairman of the Environment Agency, was quoted as saying that we must make a difficult choice between protecting either "town or country" from the worst effects of flooding, as he claims that there is "no bottomless purse" to subsidise defences.

Chris Griffiths, Marshalls Water Management expert, said: "As a responsible landscaping manufacturer, Marshalls advocates good design to minimise flood risk in the first place. The 2010 Flood and Water Management Act has still yet to deliver any meaningful results, and the media focuses all too frequently on last-stand defences rather than the long term solutions of mitigating flood risk. We would like to understand why, when the news broadcasts the devastating effects of floods on a daily basis, existing SuDS planning legislation is not enforced. We would also like to know why the release of the National SuDS Standards, which seem to be welcomed by everyone within the water management community, continues to face delays after more than three years."



Contact Marshalls today on 0870 241 4725, email customeradvice@marshalls.co.uk or visit www.marshalls.co.uk

Specification team become BREEAM accredited



Members of Mitsubishi Electric's dedicated Specification Team have been fully trained as BREEAM Accredited Professionals (AP) in a move that allows the company to speak the same language as its customers. A BREEAM pass means a project must achieve better than current building regula-

tions and takes into account not only the energy efficiency of a building and the equipment used, but also the health and well-being of its occupants. Heat pump systems score particularly well in these areas. Qualification as a BREEAM AP allows Mitsubishi Electric's Specification Team to provide expert advice on built environment sustainability, environmental design and environmental assessment.

01707 282880 www.mitsubishielectric.co.uk

NHF conference and exhibition



The National Housing Federation's Housing Development Conference and Exhibition on 7-8 July will provide an update on the challenges facing the development sector and plans for delivering new homes now and in the future.

Find out what government priorities are for housing in the run-up to the next election and get updates on the affordable homes programme. Key speakers include: Polly Toynbee, Guardian columnist and broadcaster; Terrie Alafat CBE, Communities and Local Government and Jonathan Walters, Homes and Communities Agency. Book your place using priority code DR0714HB.

020 7067 1010 www.housing.org.uk/development

Dacatie launch new product selector app



Dacatie, market leaders in the cavity closer market, have launched a free product selector app to help make the selection of the correct product as simple as possible for both builders merchants and brickwork contractors. The app allows the user to quickly identify the correct Dacatie product for the job, as well as containing all the relevant information that may be required including datasheets and fitting guides. To celebrate the launch, Dacatie are offering one person the chance to win

two tickets to watch Manchester United at Old Trafford, as well as three-course meal, drinks and accommodation. To be in with a chance of winning download the app and submit a funny or interesting picture via the 'send us a picture' button.

0161 622 2042 www.quantum-ps.co.uk

Reduced carbon footprint for fifth year running

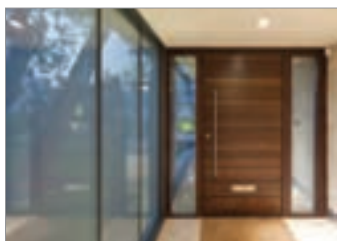


As part of its continuous commitment to improving environmental performance, Swish Building Products has once again cut its carbon footprint, seeing a decrease of 27.4 per cent since 2008; well ahead of the industry target set by the government.

The company's electricity consumption proved to be the biggest saving, down 26.2 per cent on the base line year of 2008. In real terms that is equivalent to the average annual consumption of 1,000 UK homes; 100 more than in 2012. The last couple of years have also seen the low maintenance building product specialist make a dedicated effort to improve its delivery performance, being 21 per cent more fuel efficient than in 2008.

01827 317 200 www.swishbp.co.uk

SPECIFYING HARDWOOD TIMBER EXTERNAL DOORSETS



Urban Front is booking up fast this year for its exciting RIBA certified *CPD Specifying Hardwood Timber External Doorsets*. The CPD covers insulation, acoustics, door security, passive house and touches on challenges with hardwood doors. There is also the opportunity to handle various species of timber, locks, cylinders and door samples. The CPD last approximately one hour including question time. Urban Front are currently booking for May.

01494 778787

www.urbanfront.co.uk/cpd20

BENEFITS OF STRUCTURAL METAL WEB TIMBER FRAME COMPONENTS



ITW Industry, developers and system suppliers of SpaceJoist metal web floor joists, SpaceRafter metal web rafters and SpaceStud performance wall studs announced its RIBA Core Curriculum CPD *Benefits of structural metal web timber frame components*. ITW Industry's 45 minute RIBA CPD provides attendees with a foundation knowledge of structural metal web timber frame components. The CPD module falls within the RIBA Core Curriculum category of *Designing and building it: design, construction, technology and engineering* and covers the open web components' construction, thermal efficiency and sound performance to the latest standards, building codes and regulations, plus various informative case studies. ITW Industry, which includes the Alpine and Gang-Nail truss system brands, is well positioned to deliver such a metal web CPD with its long history and expertise in timber engineering. Alpine originally supplied SpaceJoist back in the early '80s, while the Gang-Nail brand has to some extent established itself as a generic name for the punched nail plates used in timber engineered components such as roof trusses. Together as ITW Industry, its metal web timber frame systems have seen considerable research and development, culminating in producing the best performing metal web joist (SpaceJoist) on the market and the pioneering performance wall stud system (SpaceStud).

01592 771132

www.itw-industry.com

THREE WILCO CPDS ON OFFER



A guide to Rainwater Harvesting Systems from **Wilco** discusses the options available with rainwater, regulations, standards and installation example. *The benefits of high efficiency pumping* helps you develop your knowledge as to the regulations concerning glandless and glanded pumps together with new motor regulations. *Surge protection – designing out hydraulic shock* explains hydraulic shock and corrects misconceptions of how to solve it.

01283 523000

training@wilo.co.uk

LRWA CPD SEMINAR



The **LRWA** (Liquid Roofing and Waterproofing Association) has announced the launch of its RIBA approved CPD, available online for specifiers, architects, and surveyors. "Continuing Professional Development is crucial for anyone working in the construction industry," commented Terry Wain, LRWA technical secretary. The CPD should take around 25 minutes to complete and includes information on the history of liquids and the various ways in which LRWA aims to promote best practice within the industry.

0207 448 3859

www.lrwa.org.uk

WETROOM DESIGN & SPECIFICATION



As the popularity of wetrooms continues to grow, **CCL Wetrooms** have developed a *Wetroom Design & Specification* CPD to help guide Architects through the process of designing and specifying a watertight wetroom. The technical presentation covers the key considerations of designing and specifying a wetroom, including wetroom design and layout, waterproofing, drainage, floor build up and installation. It also includes a section on how wetrooms can help meet the Lifetime Homes Standard.

0844 327 6002

www.ccl-wetrooms.co.uk

GETTING THE BEST OUT OF ROLLED LEAD SHEET



The **Lead Sheet Association's** RIBA-approved CPD is an interactive way to find out how to get the best out of British Standard lead. It includes an introduction to manufacturing methods and the technical, life cycle and sustainability characteristics of lead. It also explores the main uses of lead sheet, looking at flashings and weatherings, roofing and cladding and the restoration of historic buildings. The CPD also uses real life examples from LSA site investigations.

01622 872 432

www.leadsheet.co.uk/cpd-and-seminars

SPECIFYING DOOR HINGES



SIMONSWERK's RIBA-approved CPD provides architects with the technical knowledge for specifying the correct hinge for the right application, offering guidance on door specification, legislation, building regulations, fire & safety in use, CE marking – MANDEC and the Equality Act. SIMONSWERK are a leading manufacturer of top quality brass, aluminium and stainless steel hinges. Ranges include the award winning fully concealed TECTUS and the outstanding solid brass TRITECH hinges.

0121 522 2848

www.simonswerk.co.uk

Kingspan leads responsible sourcing



To help specifiers make the most of its industry leading approach to responsible sourcing, **Kingspan Insulation** has now released updated technical bulletins explaining how its products can help to achieve credits for responsible sourcing in the relevant sections of Code for Sustainable Homes (C4SH) 2010 and BREEAM 2011. The updated technical bulletins which include information about all C4SH 2010 and

BREEAM 2011 credits which can be directly or indirectly achieved with Kingspan Insulation products are available for download from: www.kingspaninsulation.co.uk/literature/white-papers-and-technical-bulletins.aspx.

01544 387 384 www.kingspaninsulation.co.uk

Rapid-Mat cuts costs and saves time



Anyone specifying tiling onto problematic floor substrates will welcome **BAL Rapid-Mat**, the latest innovation from the market leader. Designed for floors which may be subject to lateral movement stresses, it is ideal for use with underfloor heating, timber substrates and other challenging backgrounds. It delivers major cost benefits over cavity-based uncoupling mats through needing less adhesive and being much faster to install. BAL Rapid-Mat reduces overall

project costs and duration significantly because it requires around 20 per cent less adhesive than cavity-based uncoupling mats.

01782 591100 www.see-it-for-yourself.com

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Tel: 01799 512 031 www.buildingwarranties.com

Quantum Flooring BIM models now live



Quantum Flooring has become the first flooring accessories manufacturer to create and distribute BIM objects for stair nosings. Five key stair nosing

profiles have been created and are now available for free download. The models are available via the National BIM Library, the UK's first free-to-use and platform-neutral library of high quality BIM objects. The objects have been made available in five software formats (ArchiCAD, Revit, Vectorworks and Bentley, IFC). Quantum Floorings' move allows architects and specifiers to easily download and insert objects directly into a model.

0161 627 4222 www.quantum-ps.co.uk

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New software tools will help engineers

Engineering the best possible flood prevention control of surface water drainage systems is now quicker and easier for the majority of UK designers with the launch of important new software tools for the **Hydro International** Hydro-Brake Optimum® vortex flow control. With the inclusion of Hydro-Brake Optimum within the industry-standard Micro Drainage design tool, from February 2014, engineers now have the flexibility to tailor the size and hydraulic performance of flow controls to meet their design objectives. Available from XP-Solutions, Micro Drainage (formerly known as WinDes®) is used by more than 90 per cent of drainage engineers in the UK. Hydro International has also announced the launch of a complementary Hydro-Brake Optimum Design Tool providing integrated online support for engineers to validate and output detailed design drawings from the Hydro International website. The Tool also mirrors the capabilities within Micro Drainage, providing engineers with a flow control sizing engine allowing the ability to explore and visualise design options.

01275 337937 www.hydro-int.com

Toolstation



Toolstation's new catalogue 54 has a host of big price cuts and new products for spring, with great savings to be found.

Look out for 25 per cent off a QEP diamond wheel wet tile cutter, reduced to £29.21 and a 90 litre high strength wheelbarrow reduced to just £24.80, plus new ranges of Bosch electric outdoor power tools, galvanised outdoor mesh and a timber arch kit for only £55.

Pick up the catalogue from Toolstation's 150 plus counters across the UK.

Tel: 0808 100 7211 www.toolstation.com

Snickers



Snickers' new 3-Series 'Rip-Stop' work trousers do exactly what they say. The advanced material design delivers top class functionality and non-rip durability combined with outstanding comfort wherever you're working on site. Made from hard-wearing 'Rip-Stop' fabric and available with or without holster pockets, these new working trousers are part of one of the most extensive ranges of work trousers available in the UK. There's the cutting edge XTR range for maximum performance;

DuraTwill and Canvas+ for long life and durability; plus denim and CoolTwill trousers for maximum comfort and functionality. Every product is ideally suited to satisfy the needs of every craftsman and craftswoman.

'Cushioning Technology' kneepads



Within just 18 months of operation, CL-7 Limited, the Daventry based company which developed 'Redbacks Cushioning Technology' to produce the award winning Redbacks Safety kneepads, is now enjoying unprecedented success throughout many trades and industries. Over 25,000 pairs have

been sold with Redbacks being described as the most technically advanced knee pads currently available in the world. Redbacks are widely available in 13 countries across Europe with on-going discussions to distribute in the USA, South Africa and Australasia.

01327 702104 www.redbackskneepads.co.uk

Everbuild's Caulk Once and Fill Once



Caulk Once and Fill Once are the latest products to take centre stage at Everbuild Building Products. Created using the very latest technology, the Caulk Once and Fill Once double act set a new standard in decorating fillers. Caulk Once is a premium quality acrylic caulk which has been formulated to outperform all other conventional decorating caulks using an advanced high

quality polymer. Fill Once is a ready mixed filler created with Expanded Micro-Sphere Technology (EMT) making it the perfect product to use for filling any sized hole in just one application.

0113 2403456 www.everbuild.co.uk

Dickies



Dickies, the internationally renowned workwear brand, has introduced 14 new styles of safety footwear and improved a further six styles for 2014. New lines in PU/Rubber Sole have excellent shock absorption and are heat resistant to 300 degrees, slip resistant and have non clogging sole patterns. Dickies have also introduced an ESD trainer for the first time, the Alford trainer, which is suitable for people working in the electronics industry. Safety footwear standard EN345 has

been superseded by EN ISO 20345 and the whole Dickies footwear range has been re-certified to the new standard EN ISO 20345:2011.

Tel: 01761 419419 www.dickieseurope.com

Dickies showcasing at NMBS



Dickies, the internationally renowned workwear brand, is exhibiting at the 2014 NMBS exhibition at the Ricoh Arena on the 9th April on stands 50-54. It will be showcasing some of its fantastic new products for 2014, the Dickies 22 range and Personal Protective Equipment

(PPE). Dickies have over 100 new lines in the 2014 catalogue including the Eisenhower Max Trouser and 20 new safety footwear styles including the Graton boot and the Crawford boot. From pallet deals to new starter packs there is something for everyone. All members placing orders on the day will also qualify for an extra five per cent rebate.

01761 419419 www.dickiesworkwear.com

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BBC documentary puts Bison on the small screen

Bison Manufacturing's pre-cast concrete units have featured in a prime-time BBC documentary, *Hidden Histories: Britain's Oldest Businesses*, which aired on BBC4 on 29 January and featured the work of Bison customer R Durnell & Sons Ltd, a contractor with over 400 years of building experience.

During interviews with owner Alex Durnell, the programme showed a variety of past and present projects, including recent work at the Chantry Quarry luxury residential development in Guildford – featuring Hollowcore flooring units and precast staircases from Bison.

Specified throughout the estate's 15 high-end homes, 4,300m² of Bison's 200mm deep Hollowcore flooring units and 26m³ of precast staircases enhance the feeling of luxury in residential applications by providing a stable, sound deadening alternative to wooden construction.

Mike Nelson, sales and commercial manager at Bison Manufacturing, said: "R Durnell & Sons is a company that we have worked on numerous projects with over our 95-year history, so we were pleased to learn that their heritage and present success has been recognised within this BBC documentary. We were even more pleased to learn that our recent project in Guildford would feature too.

"While one might expect our precast products to feature prominently within multi-residential projects such as apartment buildings, a growing number of luxury developers are seeing the benefits associated with using our precast stairs and flooring units. This is due not only to the quality of the finished product, but also their ability to be installed on site much more quickly and cost effectively than some alternative solutions."



To learn more about Bison and its range of leading precast concrete products, visit www.bison.co.uk



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New website from Metrotile UK



Metrotile UK is proud to announce the launch of a brand new website at www.metrotile.co.uk. Designed to be a content-rich experience that is as accessible for existing customers as it is for newcomers to the Metrotile brand, the site features details about all of its products, including specifications, a

full CAD library, case studies, downloadable guides and a full image gallery. Metrotile is also very excited to announce its brand new series of installation guide videos that will go live very soon. Metrotile manufactures lightweight roofing systems with a 40 year guarantee.

01249 658514 www.metrotile.co.uk

RigiSystems provides finishing touch



RigiSystems Ziplok aluminium standing seam roofing has been used to provide the crowning glory to St Albert the Great Catholic Primary School in Hemel Hempstead. The Ziplok was site rolled in single lengths from eaves to eaves, in lengths of 46m on the main roof in a combined

convex and concave wave format. The roof was supported on acoustic structural decking in 0.75mm thick steel x 100mm deep trapezoidal profile, with thermal insulation material to achieve 0.23 U value. RigiSystems Micromatt finish was used on the Ziplok to provide a pre-weathered appearance to the whole building. RigiSystems Ziplok continues to be used extensively in the education sector.

01905 750500 www.rigisystems.org

Stormking mix the old and new



Stormking has combined modern prefabrication methods with traditional materials for a prestige housing development at Belvedere in St Saviours, Jersey for Dandara Jersey Limited. Stormking have supplied complete roof dormer units for the mixed four and five bedroomed homes which are close to the sea in St Helier and

therefore subject to harsh weather conditions at times. Made to Dandara's specific requirements to blend with existing housing in the area, the dormers have been finished in real lead. Dandara specified Stormking for these dormers because of their unrivalled experience in the design and manufacture of prefabricated grp building products to BBA standards.

Roofing Contractors forum



The A. Proctor Group Ltd recently held a Roofing Contractors forum, bringing together those from throughout the UK who were keen to share experiences and knowledge. Education is key within the industry and an understanding of the current technologies and differences between membranes

is essential in making the right decision for your building. A highlight of the event was a visit to the production plant to see Roofshield, the premium air permeable pitched roofing membrane being manufactured. Roofshield has BBA certification and NHBC approval – it is a unique, three-layer, nonwoven, spunbonded, polypropylene breather membrane with a patented melt-blown core.

01250 872261 www.proctorgroup.com

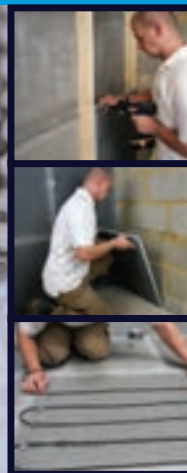
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Fax: 01634 835299

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FAKRO



For his Cheshire self-build, property designer, chartered surveyor and energy assessor Simon Kettle used FAKRO ridge flashings in conjunction with FTU-V L3 white, polyurethane-coated pine roof windows. Two banks of four fitted with self-cleaning glass were installed. Operated by remote and with an external rain sensor, they form part of a passive stack ventilation system. SAP calculations identified net solar gain and FAKRO were actively involved in design requirements for the

flashing which forms part of a distinctive design feature. FAKRO ridge flashing can be used on pitches between 15° and 55°.

Tel: 0845 021 3030 www.fakro.co.uk

Langley rejuvenate award-winning crematorium



The architecturally recognised Telford Crematorium in Shropshire has been reinvigorated thanks to a new Bituminous Strip Slate roofing system from **Langley Waterproofing Systems Ltd.** When the existing large sloping cedar shingle roof began to fail, approved contractors SPV Group secured the works

and implemented the Langley solution. Langley's experts specified 600m² of bituminous Strip Slate shingles for their appearance, ease of installation and excellent weather resistance. To round off the warm roof system, Paravapo SBS vapour control layer, insulation to current regulations and Adepar JS bituminous underlay were used to provide the waterproof foundation for the shingle layer.

01327 704 778 www.langley.co.uk

Pro-TECTING eco values



Use of polymer roofing is proving to play a key part in achieving reduced carbon emissions for major retail brands. Sainsbury's, Tesco and IKEA are among the marques using **Protan SE** single ply membrane on stores in the UK and Europe. Used in conjunction with timber roof cassettes, the

material ensures the roofs are weathertight and as energy efficient as possible – using up to 30 per cent less heat. Protan SE, available in 1.2mm, 1.6mm and 1.8mm, is developed to cope with even the most extreme weather conditions without detriment: it is certified to ≤ -30°. Hot-air welded at joints and mechanically fixed to the roof, the membrane achieves durability for up to 30 years.

01925 658001 customercare@protan.co.uk

Integritank enjoys the high life

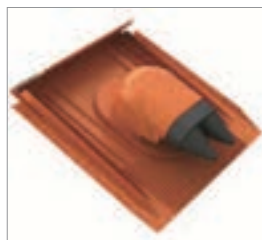


Stirling Lloyd's Integritank waterproofing membrane is being increasingly specified on a number of London's exclusive new residential developments. One of the latest is 375 Kensington High Street, a selection of luxurious one, two and three bedroom apartments and penthouses in one of London's most

sought-after addresses. Contemporary features, including podium decks, balconies and green roofs, sit atop luxurious multi-million pound habitable properties below. Developers therefore insist on a 100 per cent effective waterproofing system to prevent any water ingress and Integritank is proving ideal.

01565 633 111 www.stirlinglloyd.com

Permo underlay for low pitch extensions



The Venduct® Duo Solar Outlet Kit is the latest addition to **Klober's** Solar-Line range of solar thermal and PV installation accessories. It provides an ideal solution for passing twin cables through the roof and makes the penetration fully weathertight. The outer casing can be twisted to vary the cables' entry angle, thereby removing any risk of distortion.

The Duo Outlet Kit is factory-assembled and is therefore quick and easy to install. Available in a choice of three sizes and four colours it can be used for any large, medium or small format tile or slate.

01332 813050 www.klober.co.uk

Regeneration project uses Thrutone



Marley Eternit's Thrutone fibre cement slates have been used to create a distinctive roof aesthetic for an imaginatively designed regeneration project in Mill Hill, London. Developers Countryside Properties and Annington Homes specified the Marley Eternit Thrutone fibre cement slates to complement the distinctive sandstone, terracotta brick and cedar cladding used on

the houses, as well as to blend in with the surrounding countryside. As part of Marley Eternit's fibre cement range, Thrutone boasts industry leading sustainability credentials.

01283 722588 www.marleyeternit.co.uk

Natural slate roof offers sanctuary to bats



An exclusive 4,000 square metre new build home located near Henley-in-Arden not only features an impressive natural slate roof, courtesy of SIGA slate from **SIG Roofing**, but also boasts a number of bat entry points that have been discreetly positioned at the roof line to offer a secure habitat for this protected

species. Located on the slate roof of this Georgian style house, as well as the garage and outbuildings, a total of five bat entry points have been accommodated. Handmade from lead with a felt underlay, these pockets offer no disruption to the natural slate roofscape, which features SIGA 32 natural slate. The roof was designed specifically to make better use of the volume of the house.

Ancon



Ancon's range of low thermal conductivity wall ties minimise heat loss through thermal bridging, improving the energy efficiency of a masonry cavity wall. The use of these ties can reduce insulation depth and wall footprint.

In addition to a number of stainless steel wire wall ties, the range includes the Ancon TeploTie which is manufactured from pultruded basalt fibres set in resin. This BBA-approved product is available exclusively from Ancon. It has a thermal conductivity of just 0.7W/mK, making it the most thermally efficient wall tie on the market.

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



Improve home insulation:

Make your conservatory roof a Metrotile roof

Solid roof conservatory conversions have become extremely popular with residents across the United Kingdom during the past few years.

The reasons are twofold; to convert what was traditionally a summertime space into a room that can be used all year round, while improving home insulation to reduce those ever-increasing utility bills.

However, conservatories usually consist of a uPVC frame, so placing a weighty roof tile on to the frame would mean trouble for both the frame and the supporting foundations.

Metrotile Lightweight Roofing has become a leading choice in conservatory solid roof conversions because it surpasses the benefits offered by so-called 'traditional' roofing products while completely eradicating the issue of excess roof weight. With Metrotile a fully insulated roof is now possible on conservatories of every size, meaning the space can be enjoyed through both beautiful summers and cold winters.

Fabricators have also discovered the many benefits of the future proof roof, using Metrotile for the roof tile on brand new conservatory



installations and whether new or refurb, a Metrotile roof comes with an industry-leading forty year weatherproof guarantee.

For further information about Metrotile products and projects, visit our brand new website at www.metrotile.co.uk. You can also follow us on Twitter via @metrotileuk. Look out for our brand new series of video installation guides, coming very soon.

Contact Metrotile today on

01249 658514
sales@metrotile.co.uk
www.metrotile.co.uk



Bison's precast is smart choice

Bison Manufacturing has secured a significant order to supply its precast concrete components for the construction of two new campuses at the City of Glasgow College. The project will see Bison design, manufacture and deliver over 58,000m² of its leading precast hollowcore flooring, as well as a large number of precast stair units, to the college's new Riverside and City Campus developments. Bison's concrete units, manufactured at the company's Uddingston plant in Scotland, will be supplied complete with the Bison's patented mechanically inserted lifting hooks, for ease, speed and safety of installation. Mike Nelson, sales and commercial manager at Bison, said: "Our flooring and stair units have long been specified in education projects for their durability, quality and ease of installation – and we're looking forward to supporting the project team during the build." Once complete, this £228 million dual campus development will cater for over 40,000 student enrolments per annum. The construction of Riverside Campus is expected to be completed in August 2015, with City Campus to follow in August 2016.

01283 817500 www.bison.co.uk



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Handmade furniture using stunning redundant railway sleepers from around the world

Levolux changes gear in Swindon



A new state-of-the-art, multi-storey car park is about to open in the centre of Swindon, boasting a revolutionary terracotta screening solution from **Levolux**. Levolux was approached, as a leading solar shading and screening specialist, to develop a custom screening solution for the car park. The solution comprises vertical aluminium and terracotta fins, arranged differently on each elevation to satisfy

specific performance criteria. The vertical Fins help to protect the core structure from excessive weathering, while providing shade to occupants and their vehicles. In total, Levolux supplied almost 5,800 linear metres of terracotta Fin and more than 3,000 linear metres of aluminium Fins.

Bank is fully protected by Remmers



Remmers protective coating systems were chosen to meet the highly demanding specification and multiple facade finishes to a Grade 1 listed, four storey high building in London requiring extensive stone and concrete restoration. Repairs were carried out using Betofix R2, a high build, fast curing concrete repair mortar. Remmers Restoration Mortar was also selected for its ideal restoration and reprofiling properties for masonry as well as ornamental building

elements. Finally, Remmers Elastoflex Facade Paint was applied for its excellent anticarbonation characteristics, resistance to weathering and crack bridging ability. The works were completed within budget and ahead of the tight program.

0845 373 0103 www.remmers.co.uk

Better rooflight option for singly ply

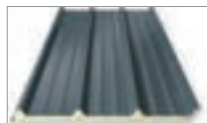


A better roof finish can be achieved using a new solution from partners Brett Martin and **Protan**. Now, Mardome rooflights can be specified with a factory-fitted Protan G1.5mm vapour permeable single ply membrane collar. The

option minimises the amount of on-site fixing and welding required. As a result, a neater finish around a complicated detail is attained and potential weather penetration significantly reduced. "Detailing is potentially a weak spot in any single ply roof," explains Protan Managing Director Fraser Maitland. "Giving specifiers a ready dressed rooflight removes reliance on the quality of workmanship and can potentially eliminate 'snagging' issues such as weather leakage."

01925 658001 www.protan.co.uk

RigiSystems introduces new composite panels



RigiSystems has introduced a new range of composite panels, which complement the built-up systems. Composites can be useful on many smaller installations that may not justify the number of components required for a built-up system. Wall panels can,

however, be used as part of a built-up system in order to provide the insulation layer. This can be particularly advantageous in facade applications, where a rigid insulation layer makes construction of the facade both easier and quicker. Panels, both roof and wall, are available in standard widths of one metre and lengths up to 16m, in a range of thicknesses to provide different 'U'-values, and with either standard PIR core or fire rated mineral fibre wool core.

01905 750500 www.rigisystems.org

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Dale Windows



Dale Windows has launched a new website designed to give merchants, builders, developers and self-builders instant access to a wealth of information about the company's complete range of made to measure products, performance standards and guarantees. www.dalewindows.co.uk not only provides a complete overview of the ranges of high quality timber windows and doors available but also includes details of ironmongery and glazing options, detailed information

on the quality standards, finishes and guarantees built into every product, answers to frequently asked questions, a downloadable brochure and for merchants, direct log in to Dale's online quoting and ordering system.

Get MCS Approval with the BBA



The Microgeneration Certification Scheme (MCS) published MCS012 Product Certification Scheme Requirements: Pitched Roof Installation Kits on 16th March 2012. This is a new requirement for mounting kits used

with solar heating and solar PV installations intended for installation on pitched roofs. Roof installation kits must be tested and a certificate issued by an accredited Certification Body such as the BBA by 31st March. To ensure that it was ready for the introduction of MCS012, the BBA recently invested in a new test rig so that the weathertightness and resistance to wind uplift tests could be performed.

01923 665300 contact@bba.star.co.uk

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Kemper System helps Huddersfield Uni build on bio-diversity



Liquid roofing and waterproofing specialist, Kemper System, has helped enhance both bio-diversity and energy efficiency at Huddersfield University by working collaboratively with roofing contractor and green roof specialist on a series of new build green and warm roofs.

Huddersfield University has invested in the

construction of four new buildings designed by architects Watson Batty, including a new sports hall, Dean's office and corporate suite. Constructed with a single steel frame, all the buildings adjoin each other but rise to different heights. Green roofs were specified for three areas, including the new sports hall, and a warm roof was selected for the corporate suite.

Kemper System worked closely with the architects, the roofing contractor, Cawston Roofing, and green roof supplier, ABG, to develop a series of warm roof and green roof systems that would take account of different roof levels, aspect and bio-diversity of the planting required to meet the university's objectives.

The green roof solution was to use Kemper System's Kemperol V210 cold liquid-applied waterproofing membrane and an innovative 'blue roof' drainage system, designed by ABG. The blue roof puts a high density polyethylene (HDP)

reservoir under the growing medium to replace the more conventional SuDS and avoid costly and time-consuming excavation of separate drainage tanks. The roof build up was inverted by applying the FLL certified root-resistant Kemperol V210 waterproofing membrane first, followed by the insulation, the blue roof drainage reservoir and then the growing medium.

Explains Nick O'Mara from Cawston Roofing: "For the waterproofing membrane, using Kemperol V210 meant that we could be more flexible with the programme and more creative with the roof build up as well as providing an FLL certified root-resistant and robust waterproofing membrane with a BBA certified service life in excess of 25 years."

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Extra BREEAM credits for Eurobond products

The responsible sourcing of building products is becoming more important to clients and designers and it is often difficult to choose between the 'green' claims of competing manufacturers. Eurobond Laminates believes that specifying the most sustainable products should be simpler and more transparent and it is for this reason that it has gained BES 6001 Responsible Sourcing of Construction Products for its entire range of stone wool cored internal and external wall and ceiling composite panels. It is the first UK composite panel manufacturer to achieve this prestigious standard that demonstrates a product has been produced in a way that has minimised its environmental impact and is sustainable. The importance of this certification is also reflected in BREEAM which now awards extra credits for products that have been assessed to BES 6001. The BES 6001 'Very Good' rating awarded to Eurobond Laminates results in its whole product range being classified Tier 3 according to Mat 03 in BREEAM 2011. The certificate may be viewed and downloaded at www.greenbooklive.com

02920 776677 www.eurobond.co.uk



Cladding creates coastal look

Located in Paignton with just a two minute walk from both the town centre and sea front, the Pier Sands development of eight new semi-detached three bedroom town houses features Freefoam Fortex® cladding. Built by Torquay based developers McCarthy Contractors, the Colonial Blue cladding forms an attractive feature on the upper two floors creating a clean crisp contrast to the bright white render. Fortex has an attractive textured wood effect and comes in a range of seven subtle contemporary colours, available in weatherboard and double plank formats. Fortex cladding panels are designed to make storing, handling and fitting the range quick and easy. With weatherboard cladding weighing just 3.15kg per five metre board, it is four times lighter than cement fibre board. Fortex also comes with significant environmental credentials, with the Building Research Establishment's (BRE) *Green Guide to Specification* giving PVC cladding an A+ rating when fitted with standard insulation products. Quantity Surveyor James Hill commented: "We're delighted with the cladding, it's given the properties a real coastal feel, and added an attractive, distinctive look to the development."

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t: 01384 252777



Client: Lincolnshire County Council
Main contractor: CINM/
Clugston Construction
Architects: Concept: Studio E Delivery:
Weedon Partnership

Green and black Eurobond Extra wall panels deliver stunning visual feature to North Hykeham Energy Recovery Facility



Rockspan delivers visual extra for North Hykeham Energy Recovery Facility

Rockspan Extra wall panels finished in jade green and ultra black are a stunning visual feature of the new Energy Recovery Facility [ERF] at North Hykeham. It is planned to help Lincolnshire County Council achieve its local, national and European targets for the management of its municipal solid waste. The



facility is designed as a combined heat and power plant to incinerate 150,000 tonnes per year of residual waste generating enough electricity to power 15,000 homes [11MW] for sale to the national grid.

The low environmental impact of Eurobond Laminates' Rockspan wall panel makes it particularly suitable for a project such as this ERF facility that is driven by environmental concerns. The 150mm thick green and black Rockspan Extra panels have a high density stone wool core that provide a fully tested two hours fire rating with increased acoustic performance and spanning capabilities. The long spans reduce the need for

secondary steelwork, save on build costs and create a weathertight envelope quickly to help shorten construction time.

Architecturally a curved roof 'shell' houses the tipping hall and boiler hall and softens the visual impact of the building from elevated views from Lincoln. This curved shell is intersected by a refined rectilinear form containing the other process areas which extends at roof level to create a grand colonnade that reinforces the 'civic' façade of the building where the visitor centre and administration facilities are sited.

The building is 190m long, 30m wide, at its peak reaches 45m high and has a 75m chimney stake. The project is estimated to have cost £145 million and will operate 24 hours a day creating 33 new jobs.

**Call Eurobond today on
02920 776677 or visit
www.eurobond.co.uk**



Stainless steel performance after 30+ years



The Thames Barrier stands astride the river in a 'corrosive' location due to temperature and humidity levels activating salt deposits on a regular basis. Stainless steel was considered to be the only metal which would provide a sufficient level of corrosion resistance to fulfil a planned 50 year design life.

Austenitic grade 316 from **Aperam** was specified for its corrosion resistance along with a smooth matt finish designed for severe conditions. Its smoothness minimises corrosive deposit accumulation and increases the effectiveness of self-cleaning by natural rain washing. As a result, the dramatic curves of the barrier retain both their attractive appearance and functionality after more than 30 years.

01246 571660 www.aperam.com

Timber door canopies by George Woods



George Woods UK manufacture a large range of door canopies, all hand made in timber from sustainable forestry. The company always holds a large stock of its standard size canopies, which enables it to offer a next day delivery service. A bespoke design service is provided for both timber door canopies and barge boards, which can be crafted from your own design. Beautifully crafted

porch canopies are available in soft wood and include an extensive range of barge boards (fascia boards), all of which are manufactured on site by hand in the company's workshop. Having a canopy prolongs the life of your front door and extends the time between maintenance and adds value and a greater visual appeal to your home. The company's products are all FSC accredited.

Cedral Weatherboard chosen in Kent



The Wheeler family in King's Hill, West Malling, Kent, have become the latest in a series of households in the neighbourhood to choose **Marley Eternit's** fibre cement Cedral Weatherboard. It retains the traditional appeal of timber but because it is made from fibre cement it won't

warp, shrink or need re-painting or re-staining. That means it offers a durable, low maintenance solution with an installed life expectancy of at least 50 years. Cedral Weatherboard is offered in 23 colours and four woodstain finishes. As well as traditional weatherboarding, it can be used for a wide range of other exterior applications.

Gilgen under-floor door operators chosen



Gilgen Door Systems has installed a number of bespoke automatic sliding doors and swing door operators as part of a new extension to Oxford Brookes University Headington Campus. The Gilgen SLX sliding doors incorporate a unique under floor door operator which is concealed from view leading to a clean aesthetic design.

The under-floor operator can be used with a variety of door designs and is hidden from view by a removable floor cover which enables unrestricted service access. Gilgen supplied and installed a total of nine bi-parting sliding door systems and five heavy duty swing door operators over the project duration.

0800 316 6994 www.gilgenddoorsystems.co.uk

VMZINC hits the heights on Heron Tower



Heron Tower has become one of the best known landmarks in central London. The 46-storey building has a **VMZINC PLUS** standing seam system on the two main roof areas, on the 38th and 41st floors. The building is among the tallest in which the compact, warm roof system has been used and as it needs no supporting ventila-

tion, views from the Drift Restaurant, Sky Bar and terraces are not affected by unsightly vents. Precise wind loading calculations were needed, but the metal also had to be reflection-free. VMZINC's pre-weathered mid-grey QUARTZ-ZINC® offers exceptional colour retention and was therefore the perfect choice.

01992 822288 www.vmzinc.co.uk

Gilgen, the automatic door choice at hospital



Gilgen automatic doors and industrial doors have been chosen by Rotherham Hospital, part of Rotherham NHS Foundation Trust to improve site accessibility and efficiency. The doors installed by Gilgen Door Systems include; FFM folding automatic doors which improve pedestrian access and comfort; Rolegard® roller shutters, Delta® folding shutters and Kwikroll® high speed doors to storage areas for improved

efficiency and security. The UK manufacturer supplies a complete range of automated door systems ideal for healthcare environments.

0800 316 6994 www.gilgenddoorsystems.co.uk

Hunter Douglas in redevelopment scheme



50 new buildings, 2,000 new homes, 20 new streets and 10 new public squares spread across 67 acres and providing living and working space for 45,000 people make up the King's Cross regeneration programme in London. **Hunter Douglas** has taken centre stage in providing eye-catching and innovative, sliding, louvered shutter systems for the ArtHouse apartment complex.

A total of 435 sliding shutters with manual and motorised systems were installed, along with soffits with linear ceilings and bespoke aluminium fin centres. The project also presented particular design and installation challenges, such as the double height shutters of over six metres for the ArtHouse's duplex apartments.

01604 766251 www.hunterdouglas.co.uk

Schueco has wide range of folding/sliding doors



Launched last year, **Schueco's** Contemporary Living Collection brings the company's premium quality aluminium windows, doors and façades to the trade residential market. Among the systems is a wide range of sliding/folding doors which will appeal to owners looking for improvements that could add capital value, as well as comfort, to their

homes. The range includes the Schueco ASS 80 FD.HI, a door which combines exceptionally high thermal efficiency (Uw value of <1.3 W/m²K) with narrow face-widths of only 112mm. Available with leaves up to 1.2m wide and up to 3m high, the door has elegant looks, slim sight-lines and high-quality fittings.

01908 282111 www.schueco.co.uk

ROCKPANEL breathes fresh life into a landmark project

A social housing refurbishment creating a high quality and low maintenance living environment for tenants and stimulating local regeneration

An ambitious project in the London Borough of Hammersmith & Fulham is breathing fresh life into a deprived neighbourhood. The £16 million project at the Edward Woods Estate in Hammersmith, West London has used the decorative ROCKPANEL façade cladding among other building materials to rejuvenate the tower blocks and the surrounding area and is as a result fostering greater pride and social cohesion within the community.

Creating a striking and well-insulated building

The façade system specified for the tower blocks was a combination of ROCKPANEL cladding and ROCKWOOL Rockshield. "With this refurbishment the objectives were to achieve a cost effective, high performing, safe and attractive construction which would benefit our tenants. With these four aims in mind, the right building materials were sourced to enable the objectives to be achieved." Explains Melbourne Barrett, executive director of Housing and Regeneration London Borough of Hammersmith & Fulham Council.

The ROCKPANEL cladding applied in these tower blocks is fire-safe and rated with European Fire Classification B-s1, d0. Its recently introduced FS-Xtra boards offer even greater fire-safety which complies with European Fire classification A2-s1, d0. Especially in relation to the fire risk in high rise buildings such as tower blocks, fire-safe board material while also providing an opportunity to create unlimited cutting edge design is a must.

The Edward Woods Estate

This estate is the third most deprived neighbourhood in the borough, comprising 754 flats built in the 1960s – 528 in three 24-storey towers and 226 in four low-rise blocks. The Edward Woods Estate suffered from many of the social issues faced by many other inner city estates across the UK. The estate lacked communal facilities, had inadequate security, refuse and recycling facilities, and graffiti and vandalism were prevalent.

Additionally, the existing building was at the end of its lifecycle. The exposed concrete and brickwork panels required significant repair work. The flats were cold and plagued by condensation; as a consequence, residents faced excessively high fuel bills in part due to the building's poor insulation and were at risk of fuel poverty.

Fast and efficient installation

The existing mosaic wall panels were overlaid externally with ROCKPANEL Rockclad and Woods boards to further



reduce heat loss and to give the tower blocks an attractive appearance. "Cladding a building of this size requires building materials with which you can work quickly and efficiently. ROCKPANEL is lightweight and easy to cut and shape so detailing can be completed quickly and easily, even when the building is in use by the tenants," describes Irfan Dhoia, commercial manager at Breyer Group Ltd.

An attractive façade with a fresh appearance for decades to come

ROCKWOOL products have successfully improved both the life of the building and enhanced the residents' comfort while at the same time helping reduce the buildings' carbon footprint. "By cladding the tower blocks with ROCKPANEL we achieved an attractive façade which enhances the tenants' and local community's identification with the building. This building can now make a positive contribution to local regeneration activity," says Ian Sarchett, managing director of ECD Architects.

A successful regeneration solution

By using ROCKWOOL products, the original Edward Woods Estate buildings were saved from demolition, and instead fully regenerated with a new and creative design; a long-lasting solution to benefit both tenants and the building's owners. This was achieved at lower cost, with tenants experiencing minimum disruption to their lives and a maximised healthy indoor climate and benefits to the environment and the regeneration of the whole area.

Project key data

Location:
West London, UK
Type of project:
Social housing refurbishment
Value of the refurbishment:
£16 million
Volume:
9,000m² ROCKPANEL Rockclad (Xtreme) / ROCKPANEL Woods
Façade construction:
Ventilated rainscreen cladding
Fixing:
Rivets into aluminium adjustable frame
Products:

- ROCKPANEL Rockclad (Xtreme) and ROCKPANEL Woods
- ROCKWOOL RockShield
- ROCKWOOL HP EnergySaver
- ROCKWOOL Flexi
- ROCKFON
- ROCKWOOL BuildDesk



Scan QR code for more information

For more information call 01656 863210 or visit www.rockpanel.co.uk



New open-corner sliding patio door from Reynaers at Home lets the outside in

Creating a world of design possibilities, the **Reynaers at Home CP130** is a premium insulated sliding patio door system combining high weather performance with enhanced security and great aesthetics.

One of the features that sets this sliding door system ahead of the rest is a clever open-corner option where two sliding units meet at a corner. When closed, the double-weather gaskets protect against the elements.

The system is designed with ease of use in mind and the two doors glide apart to open up the whole corner with no fixed post to get in the way or obstruct the view. The result is a stunning feature where the ceiling appears to defy gravity, floating above a truly panoramic opening to the garden.

Available in slide or lift-and-slide variants, the CP130 sliding door system not only glides

smoothly, it also has a slim-line mid-section interlock to maximise the glass area. Additionally it can be specified with the Reynaers at Home integrated ventilation system Ventalis. The CP130 door can be opened just a few centimetres for a little fresh air, wider to allow homeowners to slip out into their garden, or opened all the way to really let the outside in. This versatile door creates an extra feeling of space and generates more natural light within the home.

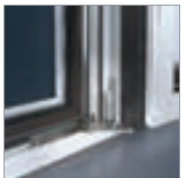
This sliding patio door system has a maximum vent weight of 300kg and a maximum height of 2.7m, making it an ideal door for an extension or self-build project to create maximum visual impact and high-specification design.

Reynaers at Home is dedicated to offering the very best architectural glazing products and service to the discerning householder.



For more information visit ocadf.reynaersathome.co.uk, email homeuk@reynaers.com or call 0121 421 9707

Schueco concealed fittings are a real advance



New from building systems specialist **Schueco UK Ltd** is **AvanTec SimplySmart**, a comprehensive range of concealed fittings for all types of Schueco aluminium inward opening windows – tilt/turn, side-hung and bottom-hung. Developed as a response to the architectural trend for uncluttered minimalism, the Schueco **AvanTec SimplySmart** range combines contemporary design with

functionality in use and includes a world first: a fully concealed fitting which allows a window to open a full 180° (previously, 90° was the maximum angle of opening). Schueco **AvanTec SimplySmart** fittings offer clean lines and advanced engineering complemented by a variety of stylish ergonomic handles and finishes.

01908 282111 www.schueco.co.uk

Victorian sashes enjoy some TLC



The striking bay window of a Victorian residence in Harrogate has been treated to some tender loving care by timber sash window specialists **Ventrolla**, restoring its dilapidated appearance back to its original beauty. The window was carefully removed from its original frame and the decaying timber spliced out to expose the sound timber beneath. Slim double glazed units were hand-crafted to replace the original sliding sashes, using

traditional methods of carpentry to retain the period features. The **Ventrolla Perimeter Sealing System** was installed into the sashes to not only draught-proof the window but also reduce external noise and heat loss, lowering heating bills.

0800 0277 454 www.ventrolla.co.uk

Contemporary TORMAX access at Durham Cathedral



As part of a multi-phase redevelopment at Durham Cathedral, **TORMAX** was specified by architectural glass specialists **OAG** and architects **Purcell**, to install two contemporary automatic glass swing doors to provide clear access to the new cathedral shop and restaurant. Helping maintain the heritage of these vaulted undercrofts, **TORMAX** used its concealed **iMotion 1401** operators. Located within the floor space, the operators have almost no working parts to wear out, delivering enhanced reliability and life expectancy, coupled with reduced on-going maintenance. Working with construction and fit-out specialists **Simpson York Ltd**, an existing side door was also automated using **iMotion 1401** operators, successfully minimising the impact on the architectural heritage of the external façade. Attracting over 600,000 visitors a year, Durham Cathedral is a busy attraction that has to meet the expectations of the modern tourist without denigrating such a valuable heritage site. Maintaining the visual impact of the stunning vaulted ceiling, visitors access the shop and restaurant through automatic full-glass swing doors, set into glass dividing walls. Visible door drives would potentially jar with the historic setting and this is where the **iMotion 1401** comes into its own. The **TORMAX iMotion 1401** underfloor operator has been installed in countless sites of important architectural heritage across the UK, including a Grade II listed building within the grounds of the University of Cambridge.



Urban Front

Urban Front design and make hardwood contemporary front, internal feature and garage doors with steel reinforcement, high security locks, security keys, on a pivot or 3D hinges. All of its doors are made in the UK and exported all over the world.

Recently it launched the new E98 Passiv door which has just achieved Passive House Certification. These doors are available in most of the Urban Front popular door designs and in all of its hardwoods. The doors are made with triple rebates, steel reinforcement, high insulation values and various bespoke sizing. The six timbers are European Oak, American Black Walnut, Iroko, Western Red Cedar, Fumed Oak and Wenge, but also available as a painted finish in any RAL colour.

All of Urban Front's doors are finished with stainless steel fittings and the company can achieve bespoke sizes up to 2.4m x 1.2m.

Tel: 01494 778787 www.urbanfront.co.uk

UGINOX for lower cost of facades and roofs



UGINOX BRIGHT, PATINA and TOP, from Aperam, are terne-coated stainless steels which take on the natural patina of aged lead sheet. This has prompted English Heritage to endorse them as an acceptable alternative to lead. Such nickel-free ferritic grades are invariably lower in cost per square metre than copper and zinc. Its inherent strength enables it to be used at gauges as thin as 0.4mm. Overall weight savings can therefore be as much as 35 per cent. All require minimal cleaning and maintenance and offer complete resistance to underside corrosion in non-ventilated situations.

01246 571660 www.aperam.com

High praise for Yeoman Rainguard systems



Damaged Victorian down pipes on the Leeds Methodist mission have been replaced with a Cast Iron rainwater system from Yeoman Rainguard. It supplied four replacement stacks to match the original design in 100mm Dia Cast Iron, pre-painted Black. Trevor Parker, Leeds Methodist Mission property and conference manager said: "We were delighted with the quality of products and prompt service we received from Rainguard. Its specialist skills were very impressive and we were kept advised of progress at every stage of the job."

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Inspirational doors for every home





New addition to Schueco UK range



Schueco UK has just launched AWS 114, a façade insert window that can be fitted into all types of Schueco façades including stick, unitised and add-on constructions. Its design benefits include large vent sizes, high levels of thermal insulation and the option of 'TipTronic' automatic actuator operation. The AWS 114 window is available in three formats: fully framed,

structurally glazed and structurally glazed with a glass retention frame. All can be specified with standard insulation or super insulation (.SI). Typical U_f values range from 1.8 W/m^2K (AWS 114, AWS 114 SG) to 1.3 W/m^2K (AWS 114.SI), with sound insulation up to 47 dB R_w using double-glazed units.

01908 282111 www.schueco.co.uk

Profloor Dynamic Batten at prominent site



The A. Proctor Group have supplied Profloor Dynamic Batten system to Jarvis Contracting Ltd for a re-development at Jansel Square, Aylesbury. Profloor Dynamic Batten provides excellent levels of impact and airborne sound insulation. The unique dual foam not only provides the performance characteristics but

enables minor irregularities in the surface of the sub-floor to be taken up. Profloor Systems are designed to meet the requirements of the Building Regulations and Robust Details for impact and airborne sound. Solutions are available for timber and concrete floors on both new build and refurbishment projects.

01250 872 261 www.proctorgroup.com

Glazing Innovations Ltd
6 Barnes Close, Brandon, Suffolk IP27 0NY

Tel: +44 (0) 1842 816060
Fax: +44 (0) 1842 813508
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New School steeled for success with Kingspan



Ebbw Fawr Learning Community Secondary Phase, part of a £300 million regeneration project, is on course to achieve a BREEAM 'Excellent' rating with the help of products from **Kingspan Insulation**. Kingspan Insulation's high performance

Thermataper TT46 LPC/FM and Therमारoof TR26 LPC/FM were specified for the school's flat roof by architects BDP, forming part of its passive design approach for the building. Thermataper TT46 LPC/FM has been developed with integral falls to eliminate water ponding which can lead to deflection of the deck and reduce the lifespan of a roof. TT46 and TR26 hold the highest possible Green Guide 2008 summary rating of A+.

01544 387 384 www.kingspaninsulation.co.uk

School gets arty with Kingspan



Pupils at an academy in Hertfordshire are benefiting from top class arts facilities thanks to a new extension constructed using the **Kingspan TEK® Building System** and Kingspan Unidek Aero® Roofing System. The John Warner School gained academy status in 2011.

For the school to maintain high quality provision for growing pupil numbers additional teaching space and facilities were required. The Kingspan TEK Building System and Kingspan Unidek Aero delivered the required thermal performance with a reduced thickness compared with traditional construction methods, ensuring that teaching space was maximised within the extension.

01544 387 384 www.kingspantek.co.uk

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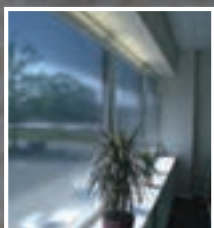
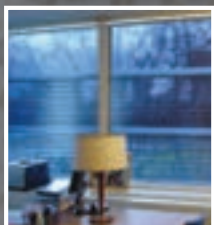
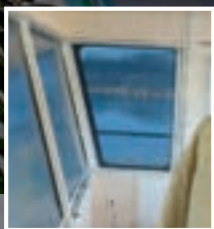
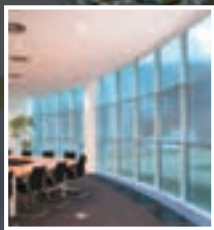
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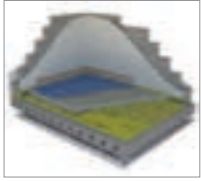


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* Accredited data reports from Sonnergy of Oxford - copies available on request



Sound choice for under screeds



Specifically designed to be installed under a floating screed on a concrete floor, YELOfon HD10+ is a high performance sound proofing layer from **Cellecta**. In addition to the systems excellent acoustic performance (Robust detail E-FC-5), it also excels in installation, practicality and cost effectiveness, with each roll having a coverage area of 50m² and a 20kg weight.

This represents an advantage for ground workers and installers who traditionally use heavy rubber based systems requiring a two man lift. Each pack includes all the items that are required for installation, ensuring the installer is using the correct products every time. The system has been installed across the UK.

08456 717174 www.cellecta.co.uk

Kingspan OPTIM-R: the smart solution



Kingspan Insulation's OPTIM-R External Wall System has provided the space saving solution to help transform 10 under-insulated bungalows in Southend-on-Sea into highly energy efficient 'smart homes'. The cavity walled bungalows featured u-PVC facades around the front and rear windows

and allowed high levels of heat loss with an external wall U-value of 1.19 W/m²K. To improve thermal performance within the minimal cavity space behind the facades, 20mm of the Kingspan OPTIM-R External Wall System was installed. Kingspan OPTIM-R vacuum insulation panels feature a microporous core which allows optimal thermal performance from the thinnest possible solution.

01544 387384 www.kingspaninsulation.co.uk

Crescent Academy rising with KoolDuct



An iconic new academy situated on the outskirts of Norwich city centre is the latest project to benefit from the lightweight design and fast-track installation provided by the **Kingspan KoolDuct** System. 2,574 m² of the Kingspan KoolDuct System was installed to and from air

handling units throughout the academy. The system comprises premium performance Kingspan KoolDuct panels which are the most thermally efficient insulation product commonly used for pre-insulated HVAC ductwork. With a thermal conductivity as low as 0.022 W/m.K, Kingspan KoolDuct panels can achieve air leakage rates far lower than traditional sheet metal ductwork.

01544 387384 www.kingspaninsulation.co.uk

Birmingham opens a new chapter



Kooltherm® pipe insulation from **Kingspan Tarec** was chosen to insulate pipework at the new Library of Birmingham, the largest public library in Europe. Architect Mecanoo's design makes maximum use of natural light with an eye-catching façade combining glass and interlocking aluminium hoops. Kingspan

Tarec Kooltherm® pipe insulation was specified for the project as part of this sustainable approach. The product is designed for insulating pipework and equipment operating within a temperature range -50°C to +120°C, and can attain thermal conductivities as low as 0.025 W/m.K. As a result it was able to provide the required thermal performance with a minimal solution thickness.

01457 890400 www.kingspantarec.com

It's all part of the service



Kingspan Tarec® Industrial Insulation has launched the Pipeline Technical Advisory Service, providing customers with free expert guidance on everything from regulatory requirements and best practice to detailed project specific advice and solutions. Kingspan Tarec's technical support team can now be contacted via the free phone number and are able to advise on the specification, installation and maintenance of Kingspan Tarec products in any

building services/HVAC, refrigeration, process, low temperature or cryogenic application. Kingspan Tarec also offers a comprehensive range of product literature along with regular technical e-bulletins and free CPD presentations.

0808 168 7363 www.kingspantarec.com

Mapei restore 19th century farmhouse



Mapei's Mapetherm external wall insulation (EWI) system has been used to restore a 150-year-old farmhouse. A BBA-certified Mapetherm system was installed by Worcester Plastering and Insulated Renders to improve both the thermal performance and property's

aesthetics. In addition to providing an immediate solution – in terms of the energy regime and reduced CO₂ emissions – the Mapetherm system dramatically improved the comfort levels for the occupants. Mapetherm is a fire-resistant, breathable system fully compliant with, and certified to, the BBA's stringent inspection procedures.

0121 508 6970 www.mapei.co.uk



Revolution in underfloor heating

Keeping cold floors and rooms toasty, offering space saving alternatives, as well as boasting energy efficient features, it's no wonder underfloor heating (UFH) is becoming increasingly popular. Incorporating the very latest innovations in heating technology, **Schlüter-Systems** are proving the perfect solution for those looking for simple, reliable and easy to install underfloor heating systems showing true innovation in its tried, tested and trusted solutions. It provides a water-based system ideal for self-build and large scale projects, Schlüter®-BEKOTECTHERM, and an electric system, Schlüter®-DITRA-HEAT-E, ideal for renovation and refurbishment. Schlüter-BEKOTECTHERM is economically efficient, adaptable to any room, offers numerous construction and heating benefits and can be installed underneath ceramic and natural stone coverings, as well as under parquet, laminates and carpets. Schlüter®-DITRA-E creates a cosy and warm environment and gives greater flexibility in layout options. With over 8,000 products in its range, Schlüter-Systems has an essential role to play in every professional tiling project.

01530 813396 www.schluter.co.uk

The best of bio-fuel technology



This year-round multi-fuel condensing boiler from **Atlantic Boilers** has been developed and installed since the year 2000. There are now many hundreds of boilers burning natural gas, light oil, low pressure gas and kerosene. The boiler can now burn B100 bio-fuel, transformed from waste oil and rape seed oil. Atlantic has also installed many dual-fuel condensing boilers burning natural gas and B100 bio-fuel or natural gas and light oil. The

boiler bridges the gap between gas condensing boilers and bio-liquid boilers with efficiencies between 92 per cent and 97 per cent GCV, a range of 10kW to 625kW and a SEDBUK "A" rating.

0161 621 5960 www.atlanticboilers.com

Docking stations boost performance



DAB Pumps has launched single and twin docking stations for its low water pressure pump, the e.sybox. Known respectively as the e.sydock and the e.sytwinn, both docking accessories are designed to further enable a 'plumb and play' connection to the pump. The products are further innovations in design from DAB Pumps' e.sy range and feature a quick coupling base from which the pump can be simply connected or disconnected. This system allows installers to

create the pumping system quickly and on-site, saving time and money. The pump and docking stations are also extremely compact, saving on space and giving more flexibility when siting the units.

Under floor air conditioning for refurbishment



AET Flexible Space have recently supplied an under floor air conditioning system to Reading Bridge House. The project was the second phase of major refurbishment and services upgrades which were designed to bring the building up to full British Council for Offices (BCO) air conditioning standards for prospective tenants.

The system provided by AET Flexible Space is an under floor air conditioning design based on AirFixture technology; 1,200 floor terminal boxes, comprising PMIT grilles with multi-directional airflow, and an upgraded Time Modulation controls system were supplied for the five floors of the second phase.

01342 310400 www.flexiblespace.com

Refurbishment chooses AET Flexible Space



AET Flexible Space has recently supplied Under Floor Air Conditioning (UFAC) equipment to another high specification refurbishment in the Soho area of London at 76-88 Wardour Street. This latest refurbishment was designed to convert a traditional heated only building into fully air conditioned commercial office space. AET Flexible Space UFAC was specified by the Consultant URS as an ideal solution for overcoming the height restrictions, unique structural elements and floor plate configuration. The UFAC system proposed by AET Flexible Space was a zonal CAM-C system utilising the floor plenum beneath the raised access floor as the ventilation duct for the supply and return air.

01342 310400 www.flexiblespace.com

ThermaSkirt has higher heat transfer ability



A paper has been published investigating the thermal performance of radiant skirting boards using **Discrete Heat's** ThermaSkirt heated skirting board as the test sample. The rigorous testing of both ThermaSkirt and a range of conventional radiators provided data that showed radiant baseboards had a significantly higher heat transfer ability of 50 per cent more than panel radiators. The research showed the compatibility of heated skirting boards and heat pumps to be more effective than using traditional radiator panels

in a heat pump system. The results also showed that the heat emission increases by 2.1 per cent per cm of height of the heated skirting board and doubling the water flow only increased the heat emission by 4.5 per cent.

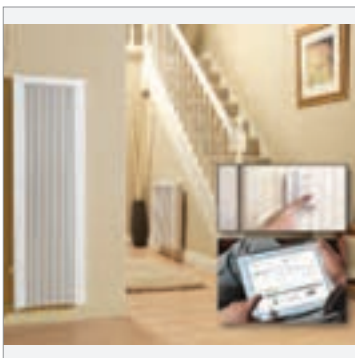
Green energy for Community Complex



A neighbourhood centre and new GP practice in Oldham have both chosen bio-fuel technology by **Atlantic Boilers** for their heating and hot water needs. Selected by consulting engineers, Blue Sky Inspired of Stockport, each building has a 90kW R Series Atlantic year-round condensing boiler having an efficiency of between 92 per cent GCV and 97 per cent

GCV – (98 per cent NCV and 103 per cent NCV). Burning B100 bio-liquid transformed from waste vegetable oil and rape seed oil and natural gas. The neighbourhood centre system was installed by Lewis Facilities of Chadderton, and the Surgery system by Bay Building Services of Morecambe.

EHC introduce smart technology



EHC are committed to providing products which deliver fully controllable heat at affordable running costs in properties with no access to mains gas. EHC's Combination Electric Radiators have been accepted as an alternative to traditional storage heating. The major advantage of this reliable system is that they're a 24 hour, fully controllable central heating system which modulates to maintain a constant room temperature. The radiators look and heat up like conventional 'wet' system radiators with 100 per cent efficiency. They're maintenance free and do not produce harmful emissions. Each has its own in-built thermostat, enabling you to control the temperature. EHC recommend that each radiator is hard wired to an EHC Control Box on a dedicated Heating Circuit which is connected to a 24/7 Programmer and Room Thermostat. To assist with changing lifestyles and spiralling energy costs, EHC have adapted the Combination Radiators to enable them to be controlled by smart technology when using the hard wired control system. The 'user friendly' software can be utilised on a laptop, tablet or smartphone and gives maximum control as heating cycles and temperatures can be monitored and controlled remotely with optimised weather data via the Internet. It will also provide information regarding historic data such as room temperatures.

01698 820533 www.electric-heatingcompany.co.uk



Eurostove

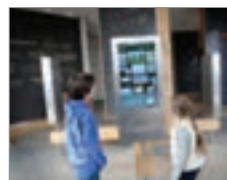


Eurostove is introducing design upgrades on three established models from its own Mendip range designed in Somerset. The Somerton stoves combine a pleasing contemporary look that will enhance modern interiors with Eurostove's customary efficiency and level of high quality. The Somerton II is an elegant cylindrical convection stove with an 8mm top plate and air-tight fitting door with a large viewing window which enhances the ambience in the home. The technical features for all

three models include a precise new universal air controller with a single point lever and closed combustion capability.

Tel: 01934 750 500 www.eurostove.co.uk

Stonehenge opens visitor centre



With more than one million visitors a year, the majority of whom are from overseas, it seems somewhat surprising that the complete lack of visitor facilities at Stonehenge has only recently been redressed. Grundfos Pumps worked in conjunction with Skanska and supplied the full pump requirements. This included members of the ultra-

energy efficient Grundfos MAGNA and ALPHA circulator pump families, TPE in-line centrifugal volute pumps that are suitable for a wide range of applications, a Hydro MPC-E booster set, with the solution being supported with Grundfos pressurisation units. Grundfos are delighted to be playing a supporting role.

01525 850000 www.grundfos.co.uk

Wood Energy fires up UK installer network



Biomass boiler specialist Wood Energy is celebrating continued UK business growth with the launch of a national Registered Installer Network. Wood Energy's Registered Installer Network will provide highly skilled and trained biomass boiler engineers across the UK. This

nationwide network of installers will receive expert training from the company to support its expanding customer base in the commercial and industrial sector. The introduction of Wood Energy's Registered Installer Network coincides with the unveiling of a striking new brand identity and the launch of a new company website. Wood Energy is a supplier of high efficiency renewable heating systems.

0845 070 7338 www.woodenergy.com

New lightweight heat recovery unit



Xpelair Ventilation Solutions has launched the Xcell Stratum low profile heat recovery unit, designed to be exceptionally installer friendly thanks to its integral fixing points and lightweight EPP design. The range is part of Xpelair's popular Xcell range and is available in

four models to suit a variety of applications and ventilation needs within new builds and refurbishments. Key technical aspects of the new range include long life ultra efficient EC motors and 88-90 per cent heat recovery, resulting in market leading efficiency. The units also include integrated programmable, multiple-speed control units for greater control over ventilation rates, along with built-in frost protection and 100 per cent summer bypass on some models.

Mitsubishi Electric



When Alison and Matthew Grey decided to purchase a Victorian pumping house in Newgate Street village, near Cheshunt, Hertfordshire, they agreed to allow Channel 4 to follow the project's progress for TV series The Restoration Man. The new home utilises a 14kW Ecodan for the under-floor heating and the 5kW unit for the hot water supply. RHI payments are guaranteed for the next seven years, so it will not only provide the Grey family with what could be hundreds of

pounds every three months, it also helps to significantly reduce the payback period for the heat pump.

Tel: 01707 282880 www.heating.mitsubishielectric.co.uk

Lunar – a new frontier in designer radiators



The softly curved profile of the Lunar radiator, from Hudson Reed, offers a stylish and sophisticated heating option for any room. Available in a choice of contemporary finishes, the Lunar radiators provide exceptional heat output of over 5,000 BTU/hr – perfect for those cold winter days. This compact, curvy design provides a touch of elegance and with a width of just 355mm it can be used in an alcove or between two windows. Manufactured from heavy duty aluminium, extrusion techniques enable us to

produce the contemporary 'half-moon' shape and design – making them a simple yet effective heating solution for a living room, kitchen, bedroom or hallway.

01282 418000 www.hudsonreed.co.uk

ModuSat combined heating and cooling heat interface units



Evinox are excited to announce the launch of the ModuSat CHHC combined heating and cooling interface unit range, perfect for homes connected to a communal scheme that require both heating and cooling throughout the property. The ModuSat combined heating, hot water and cooling unit provides simultaneous heating and cooling and the instantaneous production of hot water. Designed to simplify apartment installations where cooling and heating is required, the CHHC unit features a small footprint that minimises required cupboard space, with easy access for service and maintenance. The heating, DHW and cooling plate heat exchangers are housed within a single cased unit with high quality fully insulated separation between the hot and chilled zones. The unit can be provided in either floor standing top connection or wall mounted bottom connection orientations, making it suitable for a wide number of installation configurations. The ModuSat CHHC is available with a number of plate size options to meet a range of cooling, heating and DHW requirements and can be supplied complete with a ViewSmart room controller featuring humidity control. Evinox combines the expertise and independence to deliver lifetime communal heating packages for any project brief.

01372 722277 www.evinox.co.uk

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Active Roof Terminal
(Patent applied for)



**Active Atrium
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Advertorial

Glazpart launch innovative range of background trickle ventilators

Banbury-based Glazpart, is a specialist injection moulding company with extensive experience in the fenestration industry, employing 80 staff at its ISO 9001:2008 certified site, producing millions of mouldings each month.

Glazpart is proud to launch a new range of plastic injection moulded trickle ventilators to meet the needs of today's building designers, window fabricators and installers.

Versatility

- Meets F1 requirements for new build and replacement sectors.
- Designed for use on all window types (UPVC, Aluminium and Timber).
- 1,000's of colour decoration options.

Compact

- The Link-vent 5000 EQA delivers significantly more EQA performance compared to similar overall length traditional 4,000mm² (free area) ventilators.

- The Link-vent 2500 EQA delivers approximately the same performance of a traditional 4,000mm² in the length of traditional 2,000mm² (free area) ventilators.

Efficient

- 2500 EQA is delivered through a 204mm x 13mm slot, reducing routing machine times and waste materials generated. For simplicity the 5000 EQA has two slots the same size.

Use of ASA in this application delivers...

- Excellent UV colour stability.
- Good mechanical properties.

Clever design

- Simple and user friendly.
- The innovative 'link' allows the closure plate to be positioned to reduce draughts with the benefit of directing air away from occupants.
- The Link-vent 5000 closure plate is split to allow for partial (50 per cent) opening and



further ease opening of the ventilator.

- Rounded ends of the vent allow for installation on timber windows.
- Available in either screw or clip in fixing types.
- The screw fix design eliminates the need for end caps.
- The clip fix design Pawl's allow for a fast, easy vent installation.

1,000's of colour options

Contact Glazpart today on 01295 222400 or visit www.glazpart.com

Encasement protects external pipework at new affordable housing development



The Swallows, a new residential development, by the Affinity Sutton Group in Purley, Surrey is using more than 100 metres of Arma pre-formed aluminium casings from **Encasement** to protect external gas pipework from vandalism and accidental damage. Locating main supply pipework on a building's exterior and connecting it to each individual apartment is a practical and cost-effective method of delivering gas into multi-storey developments. However, this can leave them exposed to accidental damage or even unwanted attention from vandals, which is why Affinity Sutton chose to securely conceal and protect the pipes with Encasement's Arma casing. Arma is manufactured from 3mm thick aluminium as a jointless 'U' shaped channel, which is available in a range of different sizes and incorporates fixing flanges that enable it to be secured to an exterior wall with tamperproof fittings. The Swallows' Arma casings measure 200mm wide by 100mm deep and are finished in two PPC coatings of RAL 1014 'Dark Ivory' and RAL 2001 'Red Orange' to help them blend with the brickwork. Encasement's MD, Martin Taylor, commented: "We originally developed Arma precisely for projects and applications such as this, where external services and pipework might be vulnerable to damage, either by accident or intentionally."

Retro-Fit PaySmart™ – pre-payment energy billing for communal heating



Evinox understand the importance of integrating the most suitable energy metering and billing system in a communal heating scheme to ensure the right solution is provided for residents and the building owner or operator. With that in mind, it is excited to announce that its PaySmart technology is now available as a retro-fit system that can be installed in connection with any other manufacturer's heat interface units or communal heating system. Already widely used in its ModuSat communal heating systems for private and social housing schemes, Evinox PaySmart technology provides a facility for residents to pay for their energy in advance, making budgeting easier. The retrofit kit consists of an attractive PaySmart enclosure that is fitted inside the dwelling with a shut-off valve and heat meter installed on the pipe work. The Evinox PaySmart debt free metering solution enables residents to be in control of their own energy bills by pre-paying and therefore removing any burden of building up unpaid bills or debt. This system also takes away the collection of money by the managing agent or housing association and provides residents with flexibility and choice over how they pay for their heating and hot water.

01372 722277 www.evinox.co.uk

When is natural ventilation, really natural?

Over the last year we have seen a greater acceptance within the building industry for three defined methods of ventilating buildings, these being: mechanical ventilation, natural ventilation and hybrid ventilation (a combined mechanical and natural solution). In this article, Monodraught technical director Nick Hopper reviews them, and calls for greater clarity in defining them in order to ensure that clients and consultants understand exactly what is being specified.



Monodraught provides a complete design service which includes full dynamic simulation to show compliance against the relevant building standards

Within the latest guidance documents for the Priority School Building Programme (PSBP), section 2.8.21.3 references the use of natural, mechanical or hybrid ventilation systems as a provision for the PSBP Facilities Output Specification.

However, as a manufacturer of all three types of ventilation system and a company that has embedded the latest building simulation tools within its free design service, Monodraught has seen little clarity in the design criteria for hybrid solutions.

This lack of clarity therefore leaves individual consultants deciding: Is it natural? Is it mechanical? Instead of hiding from this discussion we should celebrate that there is an alternative and that it is acceptable to use a combination of equipment and strategies when it is suitable. However, technical information that details items such as the specific fan powers (SFP), control strategies and the acoustic rating of products are not grey areas and as a manufacturer Monodraught undertakes to make this data available as standard.

Mechanical ventilation

A mechanical (active) ventilation strategy relies upon fans to provide the driving forces for ventilation. Controlled levels of air temperature and/or diffusion of air is used to provide draught free ventilation. Optimisation of energy performance is achieved through a combination of energy efficient components and demand control strategies. SFP dictates the energy performance of the equipment and is based on the ventilation rates provided given the energy used. Pressure loss within designs can be overcome through greater fan energy.

To find out more go to Latest News at www.monodraught.com



Monodraught manufactures COOL-PHASE® low energy ventilation and natural cooling systems that use Phase Change Material coupled with an intelligently controlled air handling unit to provide demand control ventilation. This system maximises the effects of night time cooling and allows the use of intelligent thermal mass to be used throughout the occupied period.

Natural ventilation

A natural (passive) ventilation strategy relies upon a combination of thermal stack driven buoyancy and wind driven ventilation paths within a building. Control of openings can be from simple manual controls through to fully automatic intelligent façade or roof mounted systems that control openings in advance of building use.

Monodraught manufactures WINDCATCHER® natural ventilation systems that utilise wind driven and thermal buoyancy forces to provide ventilation and heat gain dissipation. Integral control strategies maximise night time cooling and indoor air quality throughout the year.

Hybrid ventilation

A hybrid (mixed-mode) ventilation strategy incorporates natural ventilation openings within its design and uses fans to provide boosted levels of ventilation and/or seasonal ventilation strategies. During summer periods, fans can be used to provide supplementary ventilation in times of low wind speeds or high temperatures, to assist air movement. During winter fans can be used to push air around, mixing fresh air and re-circulated room air, to provide a method of air tempering.

Monodraught launched its SOLA-BOOST® version of the Windcatcher in 2005 winning the Interbuild New Product Award in 2006. The system incorporates a solar powered boost fan located at the base of the ventilation system. Perhaps this could be considered the very first mass manufactured Hybrid ventilation system!





Schlüter provides perfect formula

The University of Oxford's Mathematical Institute has factored in a top supplier of essential tiling protection, **Schlüter-Systems**, during its £220 million development of new facilities- adding up to a first-class installation of the very best degree. Aimed at providing a modern, state-of-the-art facility to 500 mathematical researchers and support staff, the new building will also be a centre for the academic life of over 900 undergraduates. Therefore, with such heavy pedestrian traffic, it's no surprise that movement joints from the Schlüter®-DILEX range, along with stair nosing profiles from the Schlüter®-TREP have been installed to provide the ultimate in flooring protection. A complex conundrum to some, the security, durability and protection of tile flooring can be a minefield of calculations. However, thanks to the innovative profiles, trims and stair nosing products from Schlüter-Systems, the new flooring at the Mathematical Institute will remain sturdy and firm even under the feet of thousands of students. Carl Stokes, head of Marketing and Customer Service, commented: "We are extremely honoured to become part of a new chapter in the UK's oldest university."

01530 813396 www.schluter.co.uk

The Piazzetta Oslo fireplace with a 360° view



At last, a fireplace that really takes centre stage. With its 360° view the fire looks stunning from any angle. The gorgeous majolica cladding is available in a range of colours and is complemented by large, electrically operated ceramic glass panels. The Oslo is exclusively available through Robeys.

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Schlüter®-DITRA - a reference point in quality

With its distinctive bright orange appearance and innovative features, it's no wonder **Schlüter-Systems'** Schlüter-DITRA remains the reference point for many installers when it comes to quality. It is the unsurpassed uncoupling membrane for tile and natural stone installations and continues to be the only product of its kind to work through its patented design and geometric movement capability. Schlüter-DITRA is a polyethylene membrane with a grid structure of square cavities, each cut back in a dovetail configuration and an anchoring fleece laminated to its underside. The tile adhesive mechanically locks into cut-back indentations on the topside of the matting, eliminating the need for further anchoring mesh. The geometry of Schlüter-DITRA allows for the absorption of lateral movement in each direction. Through its unique two layer design, Schlüter-DITRA truly separates the substrate and tile covering by creating essential free space between the layers in which the matting can move safely, reacting to the movement of the substrate and surface independently of each other. What makes Schlüter-DITRA such a success is its ability to be used in a variety of applications, even on problematic substrates.

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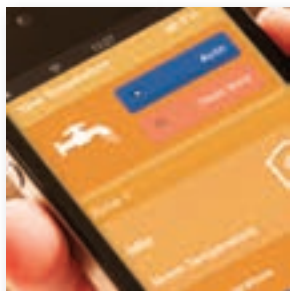
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Mitsubishi Electric



Mitsubishi Electric has launched an innovative Wi-Fi interface which delivers 'cloud-based' control for owners of renewable Ecodan heating, from anywhere in the world. MELCloud™ has been designed to offer fast and easy mobile control and monitoring of Ecodan heating systems either locally or remotely from a PC, Mac, tablet or smartphone. Homeowners will now be able to take control of their heating and hot water with key features allowing them to alter the heating set

point, hot water and the holiday mode along with temperature settings and monitoring functions.

Tel: 01707 282880 www.heating.mitsubishielectric.co.uk

Crisp, clean stone inspired tiles



Solus Ceramics introduce the beautiful and inspiring Rawstone range, a porcelain stone-effect series of tiles that have been developed for both interior and exterior usage. The range, which is inspired by the wild and raw elegance of rural valleys, replicates the intricate and handsome tones and colours found in natural stone.

Less rustic than traditional stone inspired tiles, the Rawstone range provides a more delicate aesthetic that allows the user to create clean, crisp and modern lines with a natural twist. Rawstone is available in a number of contemporary Nordic inspired colours from breezy and cool greys, to bright and luxurious beiges.

0121 753 0777 www.solusceramics.com

New internet air conditioning controller



Mitsubishi Electric has launched one of the most advanced energy monitoring centralised air conditioning controllers available, to provide building operators and estate managers with complete control over energy use from one location.

The EB-50 centralised controller offers web-based control and monitoring of up to 50 air conditioning systems and complete compatibility with the company's M Series, Mr Slim, City Multi and Lossnay ranges of equipment. The EB-50 is the next generation of centralised controllers incorporating easy weekly and annual scheduling and night setback, optimised start and load shedding and remote monitoring with M2M technology.

01707 282880 www.mitsubishielectric.co.uk

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Heat pump experts to explain RHI benefits



Mitsubishi Electric is using the Greenbuild Expo (7-8 May 2014, Manchester Central) to help anyone interested in renewable heat pumps to understand how they can benefit from the introduction of the Renewable

Heat Incentive (RHI) this spring – whether for domestic or non-domestic projects. The company will use its stand (D5) to showcase how its Ecodan® range of air source heat pumps can be used to provide a constant, comfortable level of heat to a building whilst lowering running costs and reducing carbon emissions. Ecodan systems are increasingly being used in schools, showrooms and offices that need to demonstrate an effective level of renewable heating.

01707 282880 www.heating.mitsubishielectric.co.uk

A bright solution from Encasement for Zeus nightclub



One of the country's hottest nightclubs is using unique LED backlit 'Circa' column casings from Encasement to not only conceal structural columns, but also help create a lively and stylish interior to the dance floor and bar areas. The interior of Zeus nightclub in Basingstoke uses Mediterranean colours, soft curves and more than 2,000 colour changing LED lights to create a sophisticated atmosphere. The 450mm diameter column casings used on the interior were manufactured from 12mm thick pre-formed plywood and incorporate a laminated finish to provide a durable and aesthetic solution. A series of opaque plastic strips were also incorporated into the design, which enables lighting within the column casing to shine through into the bar's interior. These unique casings were manufactured and installed by Encasement to the client's precise specifications and the installation of the internal lighting was also part of the project to ensure an eye-catching finish was achieved and the casings integrated with the nightclub's distinctive interior design. Encasement's Managing Director, Martin Taylor explained: "This is an exciting and creative use of column casings, where they're adding to the dynamic environment and style of a top nightclub. Our column casings are used in an incredibly diverse range of projects to provide a decorative and aesthetic finish, while also serving a practical purpose of concealing unsightly steel or concrete structural columns."

Low profile linear shower system from wedi



Providing a total installation height (including drain) of only 70mm, wedi Fundo Plano Linea is an extension to the successful wedi Fundo range of floor-level showers. wedi Fundo Plano Linea comes with an inbuilt uniform fall of ≥ 1.19 per cent. This makes laying tiles much easier and optimises surface

drainage. In addition, the complete system is supplied with factory fitted integrated drain technology to guarantee reliability and consistency during installation. The wedi system provides a tried and tested solution with guaranteed 100 per cent water tightness. wedi Fundo Plano Linea is available in rectangular and square in a range of sizes and a choice of long or short linear channel drain.

0161 864 2336 www.wedi.co.uk

Complete level access wetrooms



Wetrooms are the ultimate solution if a level access showering area is required. On The Level offer tailor-made complete wetrooms for the elderly or less able with added safety features such as non-slip sheet vinyl flooring to reduce the risk of slipping, further enhanced by accessories such as a grab rail and seat. On The Level design and manufacture its patented Birch ply underfloor trays in any shape or size to create unique wetroom solutions for care homes, private residences and hospitals. The trays are easy

to install, highly durable and guaranteed for 25 years, supplied ready to lay on any substrate including timber, screed and floating floors.

01525 373202 www.onthelevel.co.uk

Intriguing use of HI-MACS® for Hebasca Hotel



The luxury Hebasca Hotel in Bude, Cornwall has had a total new fit out designed and fabricated by local specialists Nine Design. The owners of the Hebasca Group admired other internal work that Nine Design had completed in the vicinity including bars and thus commissioned the company to create an amazing and unique design that was to be part of a £1.6 million refurbishment involving the bar, bedrooms, restaurant, kitchen and reception area. The new cocktail bar was designed as a focal point and centrepiece of the public area, measuring 5m by 3m. HI-MACS from LG Hausys has been used for the front façade of the bar and also commissioned a stunning abstract mural at the back of the bar, which was designed and painted by local artist Patrick Hawkins. Included at the back of the bar is a plaque in HI-MACS, highlighting the corporate Hebasca logo fabricated from Black Granite HI-MACS with translucent Opal wording. Adam Hodgson of Nine Design says that HI-MACS was the perfect material to work with: "As a solid surface material it was ideal for the hard wearing, high traffic area like a public bar counter. It was very easy to fabricate, form and join and because it is impervious to moisture doesn't stain or mark. If by any chance it does get scratched or blemished in some way then a brief buff-up brings it back to new."

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- * Flat roof access
- * Electrical operation



Segreto leads the way for Mereway



Mereway Bathrooms are delighted with the success of Segreto handleless design from its collection. Building on the success of this popular J pull door style for Mereway Kitchens, Segreto joined its bathrooms portfolio, creating a sleek handleless feel in a new part of the home. Segreto – Italian for ‘secret’ or ‘hidden’ – comes in a top-selling finish of White Gloss which

presents a fresh, sleek look. The Segreto door profile is carefully calculated to provide the perfect ergonomic shape for fingertips to grip easily giving just enough leverage to pull doors open with ease.

0800 026 4466 www.merewaybathrooms.co.uk

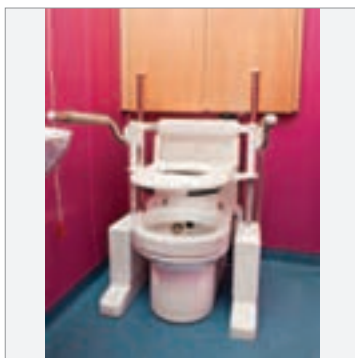
The new Bathroom Switch



Feature bathroom lighting is becoming more desirable, but until now the choices of switching have been severely limited. **Sensorbility** has therefore developed the new Bathroom Switch controller, with dimmer and timer variants, allowing bathroom designers

far more flexibility when it comes to lighting design and operation within bathrooms. The variations of the new controller include simple on/off switching, ramp-up dimming, ramp-down switch-off and time delay switch-off. It can be wired to the company's Bathroom Switch Sensor Pads, which can be placed behind most materials such as ceramic tiles, wood, plastic, glass, and even metals.

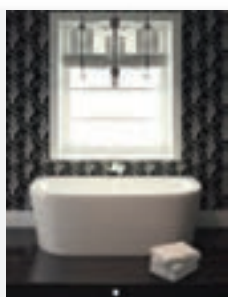
Com-plete bathroom care delivers resident and staff satisfaction



Automatic ‘wash and dry’ toilets are now regarded as the only “proper” hygiene solution by residents at a nursing home. Glenashling Nursing Home in Celbridge, Co Kildare initially installed two of the Clos-o-Mat toilets – one fixed height Palma Vita and one height adjustable Lima Lift, in a new extension. Reaction from residents and staff to the units, that automatically wash and dry the user after toileting, has been so positive that owner Garry Gavigan has now had a further three Palma Vita toilets installed, each with an accompanying Aerolet toilet lift, in communal bathrooms as part of an upgrade programme. The Clos-o-Mat Palma Vita looks like – and can be used as – a conventional WC, with additional, in-built douching and drying. Simply retaining pressure on the flush pad triggers simultaneous flushing and warm water washing, followed by warm air drying. The Aerolet toilet lift can be fitted over a standard WC or Clos-o-Mat. It replicates the natural motion of standing up and sitting down, gently raising and lowering the user to position them accurately over the toilet as required whilst enabling their feet to remain in contact with the floor. Garry Gavigan says: “The Clos-o-Mats are so much more hygienic, and the staff and I agree they and the Aerolets make resident toileting so much safer for us all too.”

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

Hudson Reed

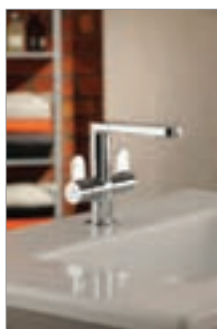


Hudson Reed has launched some new designs to complement its existing range of high quality, Lucite® acrylic baths, all complete with the revolutionary ‘Eternalite’ finish, meaning they are strong, durable and retain heat for up to 30 minutes longer than a standard bath. The stunning Ludlow bath has a sleek and sophisticated back to wall design, combining style and practicality with the quality you'd expect from Hudson Reed. The Carrick shower bath offers a practical ‘keyhole’ design

to give additional room for showering. All Hudson Reed baths are made in Britain and are backed by a lifetime guarantee.

Tel: 01282 418000 www.hudsonreed.co.uk

Bliss bathroom basin taps from Abode



The new Bliss range from Abode has been created especially for the UK market and forms part of a new collection of bathroom products which have a strong, yet versatile design. There are several basin tap options available, making Bliss suitable for all styles of bathrooms. There are three heights of monobloc mixers, dual handle mixers with flat planate spouts with paddle style levers, plus a wall mounted mixer – all available in chrome finish.

01226 283434 www.abode.eu



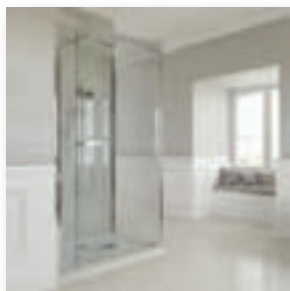
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AQATA



AQATA has introduced two new shower enclosures for 2014. The Spectra SP480 Bi Fold Recess option and the Spectra SP481 Bi Fold Corner option (shown) are characterised by beautifully designed bi-folding doors which offer space saving solutions for small bathrooms. With a stylish and contemporary frameless aesthetic, the enclosures feature minimal styling and clean lines. The inward opening bi-fold door allows the maximum usable floor space outside the shower area whilst

providing ample showering room inside, with water drips safely contained within the enclosure when opening and closing the door.

Tel: 01455 896 500 www.aqata.co.uk

Hudson Reed



Expand your horizons with Hudson Reed's exciting new range of modular furniture. Available in two contemporary finishes – white sawn oak for a clean minimalist look and mid sawn oak for those who prefer a warmer tone – this versatile furniture range is ideal for the modern bathroom. Manufactured in Britain with soft-close double skinned metal box drawers, Horizon offers the quality you'd expect from Hudson Reed, coupled with the ability to tailor your bathroom with

modular units which can be used to create eight different combinations. If you're looking for a range which is truly home grown, look no further.

Tel: 01282 418000 www.hudsonreed.co.uk

Aqualisa announces all new Quartz and Visage Digital ranges



Aqualisa has announced the spring launch of one its most exciting digital product ranges to date. The digital technology innovator and award-winning manufacturer will unveil brand new ranges of its Quartz Digital and Visage Digital showers. Key to the significantly improved functionality of both Quartz and Visage Digital ranges will be Aqualisa's innovative digital diverter technology. Pioneered by Aqualisa, digital diverter technology enables the user to switch instantly and at the touch of a button between outlets – with no impact upon flow or temperature. Accordingly, the expanded Quartz and Visage Digital ranges include not only single outlet showers and bath fills, but also a comprehensive offering of dual outlet designs that will be branded as Quartz or Visage Digital Divert models. Typically comprising a drencher head plus adjustable shower head or alternatively, a shower head with a bath fill, the configurations make an excellent alternative to conventional, dual-outlet mixer showers and are spot-on for busy bathrooms. But most importantly, they are also accessible shower and bath solutions that prioritise installation simplicity. Ease of installation has always been one of the biggest advantages of going digital – and Aqualisa's new designs are no exception.

01959 560010 www.aqualisa.co.uk

Making Waves

Take the Dušo tour at www.horne.co.uk/Products/duso

Commuters enjoy new-look railway station



Hunter Douglas has supplied a solid wood ceiling system for the £400 million project to transform Reading railway station into a 21st century transportation hub. The Hunter Douglas solution features a solid wood linear open system, finished in Siberian Larch, that was installed as a series of

rafts spanning across the new 110m long covered pedestrian bridge over the tracks and platforms. The system was installed without the usual non-woven acoustic fleece fixed between the panels to allow easier access for maintenance teams. The individual rafters were assembled on the ground then fixed into position on a rigid suspension system, a fast and simple installation to hit the project's deadlines.

01604 766251 www.hunterdouglas.co.uk

PIVOTA® - Fully concealed 3-D hinges



Cooke Brothers are the sole UK stockists and distributors of the PIVOTA series of fully concealed, three way adjustable, four knuckle precision hinges. The range is acknowledged as being at the forefront in advanced hinge design and performance. They represent an important and valuable new dimension to Cooke Brothers' comprehensive range of hinge options. The PIVOTA DX series has much to offer: solid steel or solid aluminium bodies, door weights from 40kg up to

300kg, three dimensional adjustment, matching cover plates for screws, fire rating and anti-jemmy protection. Standard finishes include velour-nickel plated, stainless steel coated, aluminium coated or the choice of galvanised finishes on request.

01922 740011 www.cookebrothers.co.uk



Schlüter-Systems

Schlüter-Systems extensive range of wet room products offers simplicity, reliability and easy installation within the home. Incorporating the very latest innovations for floor-level showers and wet rooms, Schlüter-Systems provides a fully integrated product suite, including top of the range waterproofing sets, drainage systems, and uncoupling and waterproofing membranes for tiling the walls and floors. Products including Schlüter®-KERDI-LINE are linear drain channel systems which are perfect for the construction of floor level showers and offer a particularly low assembly height. The Schlüter-KERDI-SHOWER range are pre-sloped shower bases making tiling straightforward and there are a number of different sizes and dimensions available, providing an ideal substrate for an excellent finish with tile or natural stone. Other products in the range include the Schlüter-KERDI-SHOWER-TB which has been specifically designed for timber substrate environments and the Schlüter-KERDI-DRAIN which is a square floor drain system with designer grate options. The Schlüter-WETROOM range also boasts all-in-one wet room kits, including all the necessary components to provide guaranteed waterproofing solution for walls and floors. With over 8,000 products in its range, Schlüter-Systems has an essential role to play in every professional tiling project. Find out how Schlüter-Systems can help you to create more beautiful and longer lasting installations.

Tel: 01530 813396 www.schluter.co.uk



Project:
The Hydro Glasgow

Architect:
Foster & Partners

A sensitive tap that can handle the big crowds

The Hydro, Glasgow's newest entertainment venue, and a city landmark, with a seating capacity of 12,000, will play host to 140 events a year, attracting over one million spectators.

The London-based architects Foster & Partners chose to install Dolphin Infra-red Sensor taps. These WRAS-approved taps aren't just stylish, they go a long way to help conserve water, reduce a building's carbon footprint and have a low environmental impact that helps make a positive contribution to BREEAM assessments.

Dolphin Blue DB100 / DB125

Electronic Infrared Tap

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ShowerSelect concealed thermostat sets



As part of the innovative Select programme from **Hansgrohe**, the new ShowerSelect concealed thermostat sets make selecting and turning the different functions on and off both intuitive and pleasing: with the simple push of a button. There are no complex electronics, just a reliable mechanical control that is also easy to install in conjunction with the iBox. The new Select ready-to-use sets are available in five functional versions, ranging from a thermostat with a simple On/Off function for one outlet to a combination featuring ShowerSelect for up to three different functions with a separate thermostat.

01372 465655 www.hansgrohe.co.uk

Aqua-Cabinets



British bathrooms and cloakrooms are usually small, but that doesn't mean that there's no room for imaginative and inspiring design. Aqua-Cabinets has solutions that make the most of a limited floor area, giving every home owner the chance to enjoy the benefits of modern bathroom design. Aqua-Cabinet's All in One basin solution means a complete cloakroom can be fitted into a very small space. The All in One includes a basin mounted on a cabinet that has soft close doors, useful interior storage space and also features a toilet roll and toilet brush holder. The cabinet is available in Reef, White, Ocean and Black finishes.

Tel: 0845 539 0055 www.aquacabinets.com



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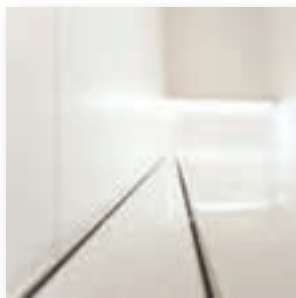
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Specialist Bathing



Quote: ADF0314

CCL Wetrooms



In the last ten years wetrooms have seen the open plan alternative having a major impact on the bathroom layout and design of hotel suites, luxury homes and the residential housing market. CCL Wetrooms has unveiled the latest development in the aesthetics of wetroom drainage – the new Stone-Infill Grill – a stunning way of creating a continuous stone floor, virtually unbroken by the line of a stainless steel drainage grill. The Stone-Infill Grill is suitable for use with

natural stone and porcelain tiles, which are simply inserted into the empty Infill Grill, creating a beautiful finishing touch to any wetroom.

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

Ellis Furniture HI-MACS® Reflection



Available from **Ellis Furniture**, the curved HI-MACS worktop with a gloss white handleless drawer from the new Reflection range of bathroom furniture provides ample storage space for bathroom essentials. Hand crafted using a double layer of Alpine White HI-MACS material, the stunning

worktop is polished all round to create a beautiful smooth touch finish. Also available are the gloss white decorative wall panel; the new curved mirror which can be hung vertically or horizontally; the new Sigma sit on basin; and the new Lazer basin mixer.

01484 514 212 www.ellisbathrooms.co.uk

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Rada ticks refurbishment needs of one of the UK's oldest universities



Rada's commercial showering and wash-room controls feature in an ambitious refurbishment project at the University of Aberdeen.

The Rada 215-T3 BC thermostatic shower valves (pictured left) and complementing BSR-S/300 shower heads are being installed across a number of campus buildings as part of a three-year refurbishment at the UK's fifth oldest university.

The Buildcert TMV3 approved 215-T3 BC concealed thermostatic mixing valve incorporates a sealed, maintenance-free cartridge, making it a popular choice with university maintenance staff and facilities managers.

Equally easy to maintain is the highly robust BSR-S/300 shower head. The product comes complete with a metal rigid shower arm, adjustable chrome plated head and durable polished chrome

finish, and is ideally suited to education settings.

Rada's experts are working with teams from shower cubicle and pod manufacturer Taplanes, who are conducting the installation work.

Jonathan Braunton, sales and marketing coordinator at Taplanes, said: "We have worked with Rada on a number of university projects and can always rely on them to provide high quality washroom solutions which not only meet all of the required building regulations, but meet the needs of each project too."

Eoin McQuone, senior marketing manager at Rada, said: "Rada has a great range of products designed with the education sector in mind and we're delighted to see them specified by the Taplanes team for their work at the University of Aberdeen."

"Our systems complement their cubicles and pods extremely well, providing the university with a cost effective, long term solution."

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www.radacontrols.com



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The Tile Association

No matter what size your project, The Tile Association points out that professional high-quality tiling will add a beautiful, long-lasting and eco-friendly finish to your installation. Tiled finishes provide a hygienic environment for many years and allow thorough cleaning without any deterioration of appearance, preventing the build-up of allergenic material. Inherently, ceramic tile is inhospitable to dust mites, mould, germs and bacteria and is often a desirable surface covering for people with allergies or asthma. There are also a number of ways in which tiled finishes contribute to the energy efficiency of a building. The use of tile can help lower a building's energy footprint, reduce operational costs and serve as a valuable strategy in meeting energy consumption reduction targets specified by green building standards and rating systems. The Tile Association has strict membership criteria which makes a TTA retailer, contractor or fixer a good starting point for professional help on your project. Visit the TTA website to check any service and support available to you and/or the membership benefits.

info@tiles.org.uk **www.tiles.org.uk**

Glazpart BBA certified range of trickle vents

Banbury-based **Glazpart** is a specialist injection moulding company with extensive experience in the fenestration industry, employing 80 staff at its ISO 9001:2008 certified site, producing millions of mouldings each month.

Glazpart Ltd is pleased to confirm that its extensive range of trickle vents for the provision of background ventilation in buildings and to meet the requirements for approved document F1 are currently the only range to be third party certified by the BBA. The certification covers three main trickle vent product ranges in standard colour options: the Slim line (clip fix), Standard (screw fix) and Modular trickle vent product ranges.

Many design specifications for the supply of windows fitted with trickle vents requires a third party certification



such as one from the BBA who are the most widely recognised body in the UK construction market. This certification is particularly relevant for new build contracts where trickle vents are required by building regulations and NHBC standards.

The company's new trickle ventilation catalogue also provides details of the extensive range of over 3,500 colour

options, whether a moulded colour, vacuum foiled, printed wood grain or paint sprayed tricklevent. Also covered is Glazpart's extensive packaging options such as colour combinations e.g. white internal vents with a colour matched external canopy.

According to Dean Bradley, sales and marketing manager: "Glazpart is now unique in the UK as the only manufacturer of trickle ventilators holding a third party certification with the BBA. This is a reflection of Glazpart's on-going commitment to delivering quality products in compliance to the Part F building regulations for building ventilation."

You can keep in touch through social media or you can add your details to our electronic mailing list to find out the latest developments in trickle ventilation at Glazpart as they happen.



Download as a PDF or view at www.glazpart.com/products/trickle-ventilation or view online as a flip file. Glazpart's new catalogue also provides detailed summaries of all its BBA certified products.



For more information visit www.glazpart.com or follow on Twitter @glazpart

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Ideal for heavy traffic areas in healthcare, education and other busy environments, Mipolam Cosmo offers low potential for slip (≥ 36 wet) when tested to BS 79762:2002. It's also easy to maintain and provides outstanding stain resistance. By combining the renowned hard-wearing Mipolam Cosmo with its revolutionary, patented Evercare™ surface treatment, international vinyl and linoleum flooring specialist **Gerflor** has redefined the standards for smooth homogeneous calendered flooring. The use of Evercare™ sets new standards in low maintenance and provides an unrivalled level of stain and chemical resistance. Mipolam Cosmo is 100 per cent recyclable.

01926 622600 www.gerflor.co.uk

Flooring specialists reach recycling milestone



Selby Carpets, a leading flooring and carpet installation specialist, has reached a recycling milestone, diverting over 10,000m² of carpet from landfill to recycling centres – the equivalent of 11 football pitches. And this figure doesn't include Selby Carpets' recycling of sheet carpet, vinyl, underlay and all the cardboard it puts through its compactor. The company, which supplies and fits carpets and floor coverings throughout London is a member of the Carpet Recycling UK initiative, a not-for-profit membership association that works to increase the recycling of carpet waste across the UK. "This milestone is extremely important to us and of course our clients, as it helps them to meet their green responsibilities too," explains Ian Winsley, managing director.

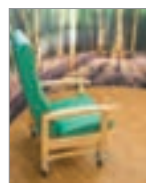
Nora flooring specified for University of Ulster



Nora Flooring Systems has recently installed its norament® 926 crossline flooring within the canteens at the University of Ulster Coleraine Campus. norament 926 crossline is offered in 16 expressive colours and features a subtle 3D texture, inspired by hand-crafted woodcuts. It is made from high-quality rubber and carries the Blue Angel certification for low emissions. The physical environment has a strong influence on learning and floor coverings are a large contributor to the built environment. Nora rubber flooring provides an attractive visual appearance, which is preserved for many years thanks to the durability and wear resistance of the resilient material.

01788 513 160 www.nora.com/uk

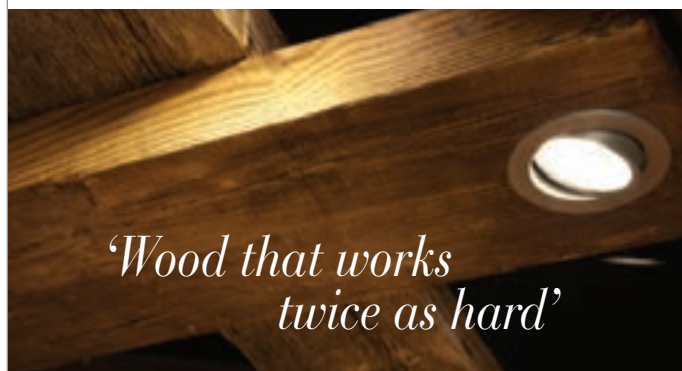
Tarkett chosen to help reduce injuries



Following trials, an NHS hospital is hoping to reduce trips and falls in its dementia ward by installing **Tarkett** flooring. The Hip-Hop Flooring Study discovered that installing Tarkett's Omnisports flooring was likely to reduce the injuries suffered by older people when falling over due to its shock-absorbent foam backing. The range is commonly used in sports halls but it was found that the same shock-absorbing properties that help prevent injuries to sports users also benefits dementia patients and the elderly at risk of falls. Portsmouth Hospital NHS Trust has now installed 1,600 sq m of Omnisports Training 5mm flooring in the treatment bedrooms of the hospital's four acute wards, which care for frail, older patients.

01622 854 040 www.tarkett.co.uk

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Gerflor plays its part in family firm's superstore



Independent electrical goods retailer HBH Woolacotts specified international vinyl flooring specialist **Gerflor's** Creation Luxury Vinyl Tile & Plank (LVT) range for its new 18,000²ft store. The client chose four styles from the Creation range to define spaces,

without obvious walkways, which would showcase the goods in similar settings to customers' homes and create a cafe and cookery demonstration area. Usually specified for public and commercial areas needing a sophisticated look while coping with high footfall, Creation LVT range has 89 realistic wood and mineral finishes in an array of formats, grains and colours.

01926 622600 www.gerflor.co.uk

Porcelain Paving range expands



Greensquares has introduced two new colours to its successful Refin Porcelain Paving range. An appreciation of this alternative flooring material has seen Refin being adopted extensively in domestic, commercial and public projects. Adding a sense of

style and elegance, Refin porcelain tiles and paving are available for both indoor and outdoor use with a thickness of 10mm or 20mm as appropriate for the application. A key advantage of Refin's porcelain is their low porosity of less than 0.05 per cent, meaning they are effectively impermeable to any moisture, preventing them from staining.

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MHA Lighting quadruple light levels in factory

A global manufacturer of high performance and innovative cable management solutions has almost quadrupled light levels in its Manchester factory thanks to an LED lighting solution.

Thanks to the innovative lighting provided by MHA Lighting, HellermannTyton has almost quadrupled the light levels in parts of its Manchester manufacturing site from an average of 90 lux to 400.

Switching to LED lighting was part of the forward-thinking company's strategy to improve light levels in former warehouse areas that are now being used for production, while ultimately reducing associated energy costs and CO₂.

With thousands of people depending on HellermannTyton's products in a variety of environments, it was imperative that light output, light quality and uniformity were high quality so as to aid precision working and general inspection.

With its low-energy luminaires and ability to design bespoke, precision lighting solutions – MHA was ultimately chosen from four lighting companies who quoted for the work.

HSE officer at HellermannTyton, Chris Brookes, said: "We had looked to four well-known lighting companies to get different quotes for these projects, but only MHA actually surveyed the areas and discussed our specific lighting



needs with us.

"From the very beginning their attention to detail was amazing – nothing was too much trouble and everything was about us ultimately getting the right solution for the individual application.

"We are absolutely delighted with the results and can honestly say that we got what we wanted."

Contact MHA Lighting on 01942 887 400, email sales@mhalighting.com or visit www.mhalighting.co.uk

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Scolmore is favourite for new racecourse hotel



InterContinental Hotels Group's recent signing, the Holiday Inn Huntingdon - Racecourse in Cambridgeshire, has recently opened for business, with products from **Scolmore's** lighting and wiring accessories ranges providing stylish finishing touches. All 98 bedrooms and all corridors of

this new build venture have been fitted with Scolmore's innovative low energy Inceptor LED downlights in a satin chrome finish, with matching wiring accessories providing a co-ordinated look. Scolmore's Inceptor integrated LED downlights are proving hugely popular with installers - providing a high light output, high performance product that can be fitted into the shallowest of ceiling voids.

01827 63454 www.scolmore.com

Brio Pivotfold for pivoting partitions



Brio has developed and manufactured a system for pivot folding top hung interior partitions that will be welcomed by architects, specifiers, architectural ironmongers and joiners. Brio Pivotfold track systems are available in three weight capacities (20, 45 and 75kg) and enable an end folding internal

partition to be designed using standard width door leaves with no cutting down of the leaf adjacent to the jamb. Pivotfold is suitable for residential and light commercial pivot folding partitions with a maximum leaf height of 2,400mm x 900mm for 20kg, 3,000mm x 900mm for 45kg and 3,300mm x 900mm for 75kg.

0191 2291224 www.briouk.com

Infill grill offers wet rooms a finishing touch



CCL Wetrooms, a leading wetroom specialist has unveiled the latest development in the aesthetics of wetroom drainage – the new Stone-Infill Grill – a stunning way of creating a continuous stone floor, virtually unbroken by the line of a stainless steel drainage grill. The Stone-Infill Grill is suitable for use with natural stone and porcelain tiles, which are

simply inserted into the empty Infill Grill, creating a beautiful finishing touch to any wetroom. Suitable for use with the popular Modular Wet-Floor System for timber floors and the Linear Screed Drain for solid floors, the Stone-Infill Grill adds a sleek and minimalistic feel to any wetroom.

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

Greenstock



Newly introduced by Greenstock is a comprehensive range of LED Strip Kits designed for stunning lighting effects for all interiors from commercial to home. The LED kits offer a dimming capability via an easy to install remote control or pushbutton controller and are available in an extensive range of led colours and types. The kits make use of Greenstock's innovative U-connect wiring system, making the kits extremely easy to install and enabling the user to keep building onto the exist-

ing installation with a wide range of accessories. All of Greenstock's LED Strips are supplied on a 5m reel and are fitted with self adhesive backing tape enabling lights to be easily installed.

FDS Consult fashions a high end solution for Alexander McQueen



FDS Consult was enlisted to provide a fire safety solution for the Alexander McQueen clothing store in London's Dover Street. The creation of the flagship store involved the transformation of an existing seven storey building, which had one staircase serving seven floors. FDS Consult recommended creating a sterile zone from the lift and staircase directly outside of the building, giving occupants a protected route outside. In order to achieve the protection, fire curtains were placed in this zone. The fire curtains would drop in two stages, ensuring no individuals can be trapped on the wrong side of the curtain on the ground level shop floor during a fire. The company designed a mechanical smoke extraction system to operate only during the first stage of the curtain's closure. A sprinkler system was installed throughout the store. This system complied with the insurer's life safety standard requirements and had the added benefit of both reducing the size of any potential fires within the retail space and lowering the rate needed for the mechanical smoke extraction system. To address the fact the existing building was over 11 metres in height and had a single staircase that needed to be protected, FDS Consult recommended pressurisation systems be installed in both the stairs and lift areas to pump air into the spaces and protect them against smoke.

01322 387411 www.fdsconsult.com

GATEMASTER gate closers

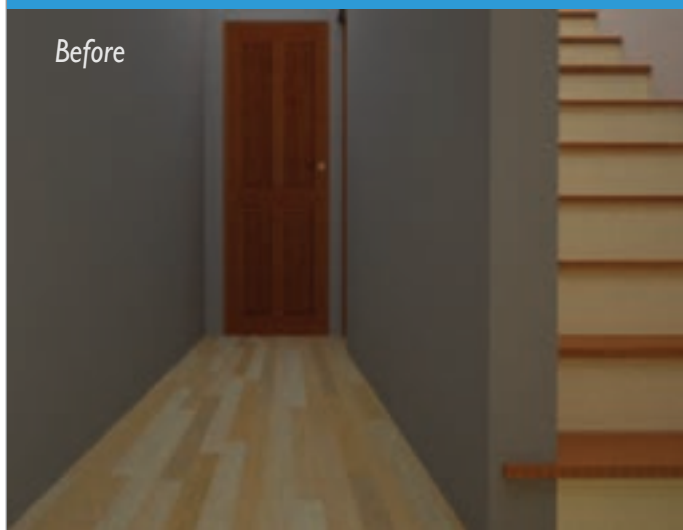


Renowned for their quality manufacture and reliability, GATEMASTER gate closers from **Signet Locks** can be fitted to metal and timber gates to ensure controlled and secure closing at all times. Local regulations on self closing gates vary so please check with the local authority before fitting these products. Experience in this field demonstrates that, when used correctly, these closers will reliably close gates for many years. GSB gas strut closers are top quality gate closing struts, ideal for closing gates up to 80kg. There is no need to release gas to reduce the spring force, just simply move the strut along the slots in the brackets to adjust the force exerted. The adjustable brackets also make the installation easy as there is no need to compress the spring when fitting it to the gate. It is ideal for both fitting to new installations and retrofitting to existing gates. APS hydraulic gate closers are hydraulically controlled with a top hinge kit that has been developed using proven technology to provide reliable gate closing. They are vandal resistant and suitable for gates up to 120kg. The robust closer unit is fitted underneath the gate, meaning it is unobtrusive, and this also acts as a load-bearing lower hinge. The kit includes a top hinge assembly which is fully adjustable to enable the gate to be positioned correctly after installation, with no power required.

01243 552066 www.signetlocks.co.uk

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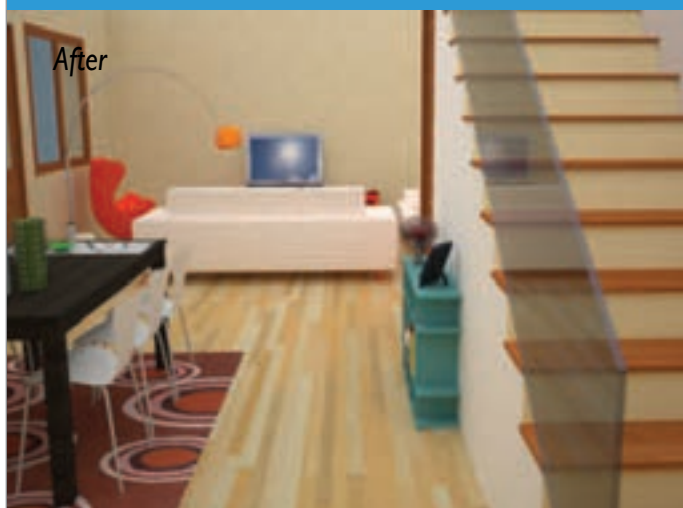
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New portable noise monitor launched

Cirrus Environmental is leading the way in outdoor noise monitoring for 2014 with the launch of its new Invictus portable noise monitor. After more than two years in development, the Invictus has been designed specifically for environmental noise applications with all new functions, making it the most comprehensive noise monitoring device on the market today. The Invictus allows simultaneous measurements of all parameters and can be controlled remotely via 3G, GPRS, Wi-Fi Ethernet or radio modems. Its flexible programming allows the user to set different measurement periods and alerts for different times of the day/different days of the week for a comprehensive system that meets every noise related challenge. It can also deliver data with audio recordings, SMS, email and Twitter alerts to ensure the information can be gathered and delivered virtually in real time – ideal for site managers who need to be alerted to breaches of pre-set limits as soon as possible.

01723 891722 www.cirrus-environmental.com



System 3 Keeps M&S Customers Safe

System 3 perimeter safety barriers have been installed by Berry Systems at the award winning Marks and Spencer car park, Cheshire Oaks. System 3 is a fully tested, column mounted safety barrier system that uses tensioned steel rods and infill mesh panels to provide the impact resistance to meet the demands of BS EN 1991 -1-1 2002 Annex B, the European Standard that has superseded BS 6399 Part 1 1996. With a zero footprint in the parking bay, System 3 allows architects to maximise the space available, while providing a flexible system that 'gives' on impact to minimise damage to vehicles and the barrier itself. In addition the low deflection figures means the barriers will not foul and damage other components of the car park such as cladding or, as at Cheshire Oaks, plant pods, vines and creepers. Berry Systems installed the barriers all round the perimeter of the upper deck and on the two way vehicle ramp. Specially curved sections were fabricated for the eastern corner of the deck where the car park is shaped to provide wider access to the ramp.

01902 491100 www.berrysystems.co.uk



Fire protection systems provide the solution



All but indistinguishable in appearance from standard products, **Schueco UK** fire-protection systems have been independently tested to EN 1364/1634, meeting all the necessary criteria for Integrity (E) – the prevention of the spread of flame – and Integrity/Insulation (EI) – the prevention of the spread of flame and the provision of a barrier to heat. The Schueco fire protection range includes single and double Schueco ADS 80 FR doors which can be specified with either a 30 minute integrity or 30/60 minute integrity/insulation rating and, like every system in the range, they meet the performance classification of EN 13501.

01908 282111 www.schueco.co.uk

Kidde professional business manager retires



Kidde – a world leading smoke, heat and carbon monoxide alarm manufacturer – has announced the retirement of Gerald Jones, business manager for Professional and Fire Brigade Channels in the UK and Ireland. A chartered marketer, Gerald's career was largely spent in the construction products sector, latterly in fire safety. He joined Kidde in 2000 and developed the specification-led side of the business from virtually nothing to its current position. Kidde Safety Europe Director, Andy Burnett said: "Gerald devoted himself to the business and applied his extensive knowledge and long experience of residential fire and carbon monoxide safety to the benefit of the industry."

01753 685096 www.smoke-alarms.co.uk

5,000+ homes upgraded with Aico



Trent & Dove Housing has recently completed a major smoke and carbon monoxide (CO) alarm installation programme using solely **Aico** mains powered alarms and accessories. Aico 160 Series smoke alarms were originally fitted throughout the 5,200 properties

located across East Staffordshire. To reduce installation times and costs, Trent & Dove Housing has kept the existing Aico 160 Series Easi-fit base plates for the alarms fitted upstairs, while installing the ground floor alarms on RadioLINK bases. RadioLINK allows Aico alarms and accessories to be wirelessly interconnected by Radio Frequency (RF) signals rather than cabling.

Maintenance-free decking



Reliaboard is the latest composite decking to be launched in the TimberTech range by **Greensquares**. With an authentic wood grain look, Reliaboard carries all the advantages of TimberTech composite decking but at a budget conscious price level. Reliaboard decking is perfect for modern life as

it doesn't need painting, sanding or sealing. All it needs to keep looking good is regular sweeping and a very occasional jet wash, leaving time to enjoy the garden rather than working on it. As a composite material, Reliaboard is a blend of wood and polymer meaning that it won't split, crack, warp or fade. It is also algae and slip resistant.

029 2037 1584 www.timbertechuk.co.uk

Watford Junction benefits from Brett solution

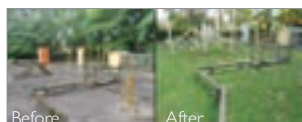


Brett Landscaping has underlined its ability to bring exceptional functionality and aesthetics to commercial landscaping installations with a 15,000m² project to upgrade the bus interchange at Watford Junction station. The Brett solution integrates the company's specialist Kassel bus boarding kerbs with its Omega and

Piatto block paving ranges to provide a harmonious palette of colours and textures on the project. By deciding to combine the two paving projects and commission both to Brett, a perfectly merged and contemporary external space has been created that combines practicality with exceptional aesthetics.

0845 6080570 www.brettpaving.co.uk

Specialists for artificial grass in schools



When children's play areas have become synonymous with mud, **Nomow Artificial Grass** can transform those areas into beautiful, green and safe play areas that can be used year round, regardless of

poor weather. Black Firs Primary School in Cheshire realised the benefits of Nomow and had over 700m² of Play 365 artificial grass installed. Nomow also installed brand new drainage solutions eliminating the problem of floods, and installed its Shock Safe impact pads system, giving a 3m critical fall height around the play equipment. Nomow's technical team can assist with all aspects of product specification and pricing, design, landscaping and groundworks.

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Brett Landscaping's new offerings



The centrepiece of the **Brett Landscaping** product offer for homeowners in 2014 is an enhanced choice of natural stone paving, offering long-lasting, high-quality solutions to suit every budget. The new natural stone range is just one of several new products and services showcased by

Brett Landscaping in its 2014 *Gardens & Drives* catalogue, available to order or download free of charge from the company's website. The new catalogue also sees the launch of Alpha TRIO, an extension of the successful TRIO concept which is designed to make life easier for the smaller contractor or DIY enthusiast when installing a driveway.

0845 6080570 www.brett paving.co.uk

Keep property watertight



Flexseal, a Fernco company and a UK leading coupling manufacturer, is now distributing the Floodbreaker range of flood defence products which offers comprehensive protection for domestic properties. The threat of flooding in the UK is sig-

nificant, with over 5.5 million properties classed as at risk, according to assessments across the country by government bodies. The products in Flexseal's Floodbreaker range all offer flood resistance measures, keeping floodwater out of the property. The Floodbreaker range is available through builders' merchants.

01226 340 222 www.ferncoenvironmental.com

Ritec's new 'One Stop Shop' at Ecobuild



Ritec International, who have recently been awarded the title of 'US Product of the Year 2013' for its new ClearShield Eco-System™, will be exhibiting at Ecobuild in London in March. Ritec will be exhibiting on stand S948 and showcasing its innovative new 'One Stop Shop' service for the residential market and

launching its recruitment of applicators for the new initiative. This service will see trained Ritec applicators offering residential customers renovation, protection and maintenance of all or any of their glass, ceramic, metal or painted surfaces in and around the home.

020 8344 8210 www.ritec.co.uk

Lanes Group chosen for maintenance



Lanes Group has been selected to carry out drainage surveys and remedial repairs at schools in Birmingham. Galliford Try has commissioned the work as part of its full facilities management service to 11 schools across Birmingham. Engineers from the Lanes Birmingham depot at Minworth have carried out camera surveys,

cleaning and remedial work at three schools. Across all three schools, the teams have carried out nearly 400 patch repairs to underground drainage pipes. They also supplied drainage survey reports, with supporting HD quality underground images, that will help Galliford Try develop long-term maintenance programmes.

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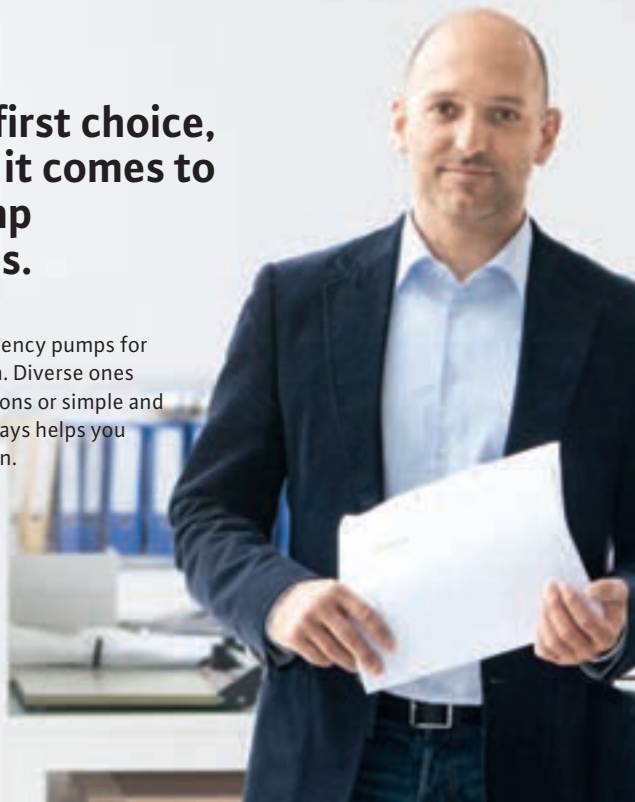


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