

building construction design

www.buildingconstructiondesign.co.uk

June/July 2014

Appointments & News	3
Planning & Design	6
Building Products	6
Groundworks	7
Structural Elements	7
External Envelope (Incl. External Fixtures)	14
Insulation	25
Heating, Ventilation & Services	27
Interiors	31
Disabled Products & Services	40
Safety & Security	40
Landscaping & External Works	41
Eco	42

Cover image: © Fire Design Solutions
See page 41 for details

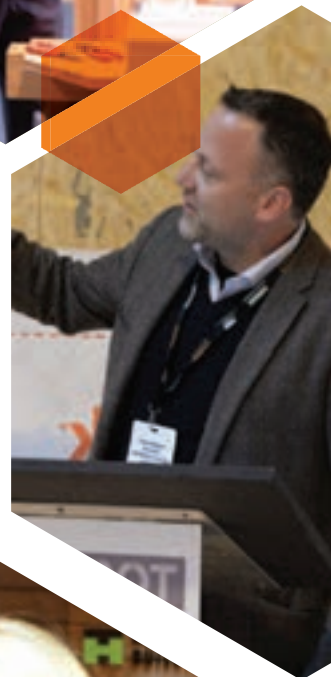
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Process improvements from BBA



Feedback from clients is vitally important to the BBA to help improve the processes it uses to assess construction products and installers. This type of information is collected in a variety of ways from face to face meetings with

customers to telephone and online surveys. All this data is then collated to analyse re-occurring themes and solutions are sought to improve our customers' experience. A case in point is the recent introduction of editable draft certificate PDFs which are sent for client review. Before, this process could be time consuming for clients to mark up by hand or itemise a list of changes via e-mail.

01923 665300 www.bbacerts.co.uk

Designer Contracts onto a winner



Designer Contracts' carpet recycling scheme has been named as a finalist in the Housebuilder Product of the Year Awards in the category 'Best Site Product.' The scheme works by diverting 90 per cent of Designer Contracts

fitter's waste carpet into felt underlay. What isn't turned into underlay is used in the equestrian sector for arena flooring – already saving 100 tonnes from landfill since its launch in autumn 2013. Managing Director Peter Kelsey said: "We have a sustainable and manageable product, which is showing strong results and is of benefit to the housebuilder in more ways than one."

01246 854577 www.designercontracts.com

Hartman heads up ITW Industry



ITW Industry welcomes Jon Hartman, who joined as General Manager late last year. At 32, Hartman is already a proven company leader – transferring from Stokvis Tapes (an ITW manufacturer of adhesive tapes) where he held the position of Managing Director as he transformed the company's profitability.

Hartman is now responsible for ITW construction operations in the UK, Ireland and South Africa. In his first four months, Mr Hartman has set aside time to visit and get to know his employees, customers, suppliers and job sites to gain an understanding of business and the industry in general.

01872 245476 www.itw-industry.com

EnviroVent scoops industry 'Oscar'



EnviroVent's Filterless Infinity Fan has been named Domestic Heating and Ventilation Product of the Year at the H&V News Awards, held at the Grosvenor House Hotel in London on 24 April. The company successfully fought off tough competition to win the prestigious award for its innovative British made product. Ideal for bathrooms,

kitchens, en-suites and WC's, the Filterless Infinity Extract Fan offers the ultimate in product confidence with its seven year maintenance-free warranty. The fan, which incorporates EnviroVent's patented Cyclone Separation Technology, extracts stale, moist air without the need for filters which can become clogged.

01423 810180 www.envirovent.com







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Innovation and excellence recognised at the Tile Association Awards

The TTA Awards, recently held in London for the first time, have recognised the brightest and best individuals from the industry, the most innovative new products and the sector's best and most interesting projects.

Many of the leading companies in the industry attended – manufacturers, contractors, distributors – attracted by the 'London Calling!' theme. Organised by The Tile Association, the event had a fresh new feel for 2014 and is now definitely the must-attend event of the year for the tiling industry. Hosted by Emma Jesson from ITV, the day also raised over £3,000 for the association's nominated charity of the year – The Children Today Charitable Trust.

For the TTA, the 2014 awards mark the beginning of a new chapter in the



TTA Awards 2014 Winners

association's growth. TTA Chairman, Ian Kershaw, says: "Firstly, I'd like to congratulate all those who were finalists in our awards this year. You are all winners and your achievement makes our industry proud. In particular, of course, very well done to those individuals and those companies who came away with the gold rosettes in the various categories."

"I look forward to welcoming everybody again in a year's time, when we will

be looking back on what promises to be a very busy year for the TTA, with new branding, new website and a host of other initiatives which will enable us to represent our members' interests even better. I was particularly happy this year that we were able to raise such a good sum for The Children Today Charitable Trust, showing once again what a warm hearted industry we are."

Contact The Tile Association on **0300 365 8453**, email **info@tile.org.uk** or visit **www.tiles.org.uk**

Helifix moves to landmark London office



Helical fixing manufacturer and masonry repair specialist **Helifix** is proud to announce that with effect from Monday 28th April 2014 it relocated to an impressive new office facility in London. The Helifix team is now located at The Mille, 1000 Great West Road, London TW8 9DW, just a few miles from its former premises in Acton. The new

premises are more accessible to visitors and staff, offering easy access from the M4/A4 interchange, Boston Manor tube station, Brentford Rail Station and Heathrow Airport. Orders for Helifix products will continue to be fulfilled from its UK manufacturing facilities in Deeside, North Wales.

020 8735 5200 www.helifix.co.uk

QPSL launch new website



QPSL, a leader in the building products market with the brands Quantum Flooring, Dacatie and Qwood, has launched a new easy to use website (www.quantum-ps.co.uk). The website is mobile ready for contractors and specifiers to use out and about. The site also contains all the

product information you could ever want from specification documentation to cleaning guides. Available now, the website offers an intuitive tool for those involved within the built environment. It allows the user to quickly identify the correct QPSL product for the job, locate their local Qwood, Quantum Flooring or Dacatie stockist and also quickly request free samples.

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

Willmott Dixon acclaim for Mitsubishi Electric



Mitsubishi Electric has been awarded a prestigious Willmott Dixon Construction Supplier Award in recognition of the manufacturer's role in supporting the drive to increase efficiencies and quality on site, while reducing overall costs. Willmott Dixon Construction is constantly seeking ways to improve quality and reduce cost in the construction industry. The company issues awards at an annual Supply Chain Conference for subcontractors, indirect suppliers and manufacturers. Mitsubishi Electric has worked with the Group for several years and Keith Treharne was full of praise for the company's Richard Warry, who he describes as being: "exceptionally keen and persistent."

01707 282880 www.heating.mitsubishielectric.co.uk

Vent-Axia is a business superbrand

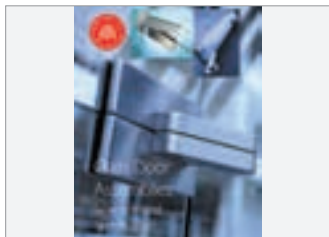


Ventilation manufacturer **Vent-Axia** is delighted to be ranked as a UK Business (B2B) Superbrand for 2014. The award follows robust independent research commissioned by The Centre for Brand Analysis, which identifies the UK's Superbrands in an annual league table. This year, Vent-Axia was once again voted one of the best performing business-to-business brands, joining the likes of other Sussex Superbrands such as Rolls Royce. Jenny Smith, marketing

services manager at Vent-Axia said: "We're thrilled that Vent-Axia has been named a Superbrand for 2014 reflecting our high standards of quality, reliability and distinction within the market."

0844 856 0590 www.vent-axia.com

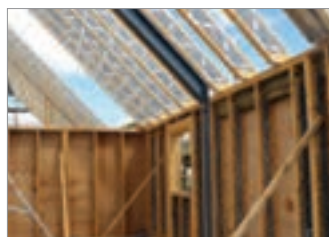
GLASS DOOR ASSEMBLIES – SELECTION AND SPECIFICATION



GEZE UK has updated its popular RIBA-approved CPD seminar on glass door assemblies to provide architects with valuable guidance about glass and how it can be used within door situations throughout a building. The 40 minute seminar aims to demystify the specification process by providing information about everything from the beneficial properties of glass through to the very latest regulation and legislation.

01543 443000
www.geze.co.uk

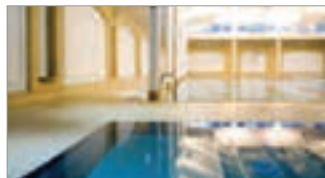
BENEFITS OF STRUCTURAL METAL WEB TIMBER FRAME COMPONENTS



ITW Industry, developers and system suppliers of SpaceJoist metal web floor joists, SpaceRaft metal web rafters and SpaceStud performance wall studs announce its RIBA Core Curriculum CPD titled *Benefits of structural metal web timber frame components*. ITW Industry's 45 minute RIBA CPD, which is conveniently delivered by the means of an onsite seminar, 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, are well positioned to deliver such a metal web CPD. Alpine originally supplied SpaceJoist back in the early '80s, while the Gang-Nail brand has established itself as a generic name for the punched nail plates used in timber engineered components. Together, their metal web timber frame systems have seen considerable development, culminating in producing the best performing metal web joist (SpaceJoist) on the market and a pioneering performance wall stud system (SpaceStud).

01592 771132
www.itw-industry.com

NEW MAPEI SWIMMING POOL CONSTRUCTION CPD



Mapei UK has launched a new Swimming Pool Construction CPD seminar. The new technical seminar will assist in the specification of correct materials, in accordance with current BS and EN Standards. Seminars can be arranged to suit group or specific needs. The new CPD is 30 minutes long, followed by a Q&A session. The seminar examines each stage of the build process – from construction of the pool shell, to tiling, and it refers to the relevant design standards throughout.

0121 508 6970
www.mapei.co.uk

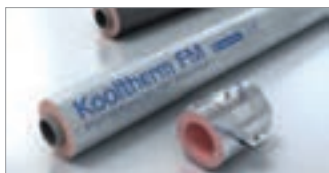
SPECIFYING HARDWOOD TIMBER EXTERNAL DOORSETS



Urban Front is pleased to announce that it has joined the RIBA CPD Network, and its CPD seminar entitled *Specifying Hardwood Timber External Doorsets* is now available to architects and construction professionals. Learning aims include information on insulation, passive house, challenges with maintenance, accessibility and door security. The CPD is also very visual and offers various opportunities to touch and feel samples and lasts approximately 45 minutes.

01494 778787
www.urbanfront.co.uk

KINGSPAN TAREC® CPD SEMINAR



A CIBSE approved CPD seminar has been introduced by Kingspan Tarec, examining how high performance insulated pipework systems can benefit the design, construction and maintenance of energy efficient buildings. It covers all aspects of compliance with the latest regulations and technical guidance including ADL 2013; and provides an overview of the Enhanced Capital Allowances and long-term cost savings which can be achieved by insulating pipework to higher specifications such as NES Y50 Enhanced.

01457 890400
www.kingspantarec.com

SWISH BUILDING PRODUCTS CPD SEMINARS



Swish Building Products is a supplier of PVC roofline and cladding, including fascias, bargeboards, window boards and trims, and more. Swish has established itself as the pre-eminent name in the manufacture of cellular PVC products. Accredited with the responsible sourcing certification BES6001 in addition to previously secured certifications ISO9001, ISO14001 and OHSAS18001, Swish holds CPD Seminars focusing on sustainability and the low-maintenance benefits of cellular PVC.

01827 317 200
www.swishbp.co.uk

GLASS MOSAIC, ITS APPLICATIONS & INSTALLATION



Trend GB's latest seminar, entitled *Glass Mosaic, Its Applications & Installation*, is one of three CPDs developed by Trend and approved by RIBA, the Construction CPD Certification Service and The Society of British and International Design. Suitable for professional audiences, this engaging presentation is richly illustrated with archive and contemporary images. It should provide valuable food for thought and bring glass mosaic tiles still further up the design agenda.

01892 509680
www.trend-group.com

Vent-Axia receives double nomination



Vent-Axia is delighted to announce that it has been shortlisted in two categories at this year's prestigious Housebuilder Product Awards 2014. The Sussex-based company is celebrating its award-winning Lo-Carbon Solo Plus centrifugal bathroom/toilet fan reaching the final in the Best Kitchen and Bathroom Product of the Year category.

Meanwhile, Vent-Axia's Lo-Carbon Response™ dMEV solution has been nominated within the Best Brand New Product of the Year category. The winners in each category will be announced at the Housebuilder Product Awards' lunchtime ceremony at Edgbaston Stadium, Birmingham on Wednesday 2 July 2014.

0844 856 0590 www.vent-axia.com

FILANO DROPS joins Fila green line



Surface care specialist **Fila** has launched a dual-purpose glass cleaner and protector. **FILANO DROPS** is a no-rinse spray treatment that cleans without streaks. It also creates an invisible hydrophilic film, so water droplets slide off surfaces without leaving limescale marks. The solvent-free, non-acidic formula is ideal for shower enclosures and mirrors – as well as glass mosaics and glazed ceramics. It can also be used to clean taps, steel trims and Perspex. **FILANO DROPS** is colourless and has a pleasant, fresh fragrance. It is available in a 500ml trigger bottle and is offered as part of Fila's Green Line; a range of high performance, water-based treatments developed for cleaning, maintenance and protection of natural surfaces.

01584 877286 www.filasolutions.com

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Evolution Insurance Solutions Ltd is an Insurance Broker authorised and regulated in the UK by the Financial Services Authority under FSA number 472438.

Evolution Insurance Solutions Ltd is one of the UK's leading brokers in the 10 Year Structural Warranty market.

If you are undertaking a self build project in the near future then you are likely to require a mortgage compliant warranty and site insurance.

Evolution is a specialist in this market and will source the right product at competitive rates for your project.

Tel: 01799 512 031 www.buildingwarranties.com

A clear and flexible solution from Sika



Expanding its range even further in response to growing demand, **Sika** has unveiled its latest addition to the Sikaflex EBT+ range with its new 'Clear' three in one product. Combining the properties of an adhesive, sealant and filler to deliver an all in one product that can be used with a wide range of materials, including concrete, brick, mortar, wood, metal, glass, plastic and resin, Sikaflex EBT+ Clear quickly cures to a translucent finish, making it ideal for use on projects where there is a need to maintain a spotless aesthetic appearance. Permanently flexible and water resistant, Sikaflex EBT+ Clear can be used both internally and externally.

0113 2403456 www.everbuild.co.uk

The star of the show goes online



Supplier of sustainable and ecological products for the construction and refurbishment industries, **Eco Materials Online**, a division of **Marmox**, has launched a new super-fast website that is both informative and easy to navigate.

The website, although of course a modern concept, features a product that has very much stood the test of time and is referenced under the two main headlines on the homepage of breathable insulation and acoustic insulation. Heraklith boards, breathable thermal and acoustic insulation panels invented by Heraklith over 100 years ago, are the star of the show.

01634 835297 www.ecomaterialsonline.co.uk

Hultafors



Hultafors new heavy duty Butt Chisels are superbly crafted tools with high quality steel blades that have EPD rust protection (Electrophoretic Deposition). Sharp, tough and totally reliable, these chisels combine maximum sharpness with hard-wearing durability.

They are perfectly sharpened with high-quality Japanese steel blades and heavy-duty handles designed for hard hammer blows. The EDC Chisel is available in eight different blade widths, while the Gougers are available in two styles to suit whatever job you have in hand.

As you'd expect from all Hultafors Tools, these are top-quality, precision tools designed to last a lifetime.

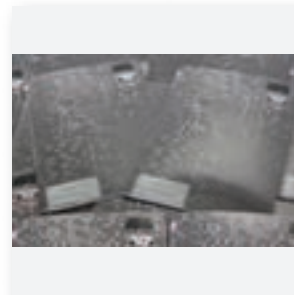
Snickers Product and Price Catalogue



The new **Snickers** Product and Price Catalogue has loads of new garments and accessories for working effectively wherever you are on site – whatever trade you're in. You'll find quality, innovation and top class functionality in every garment – the sign of a brand that knows what it takes to get the job done properly. Whatever the task, whatever the season, the Snickers Workwear system provides the ultimate solution to make every man and woman's workday easier and safer.

Get to know the cutting-edge range from Snickers Workwear... in every stitch, it's miles better.

Ultra Tile



Ultra Tile, the premium adhesives, grouts and ancillaries brand from the Instamatic Group, is delighted to announce the release of its new brochure. Showcasing a new look and reinforcing its premium image the brochure certainly makes an impact. It details Ultra Tile's comprehensive range and incorporates its popular installation guides, offering project guidance that includes tiling onto calcium sulphate screeds. The brochure's release comes alongside the imminent

launch of its new fibre-reinforced tile adhesive, FibreGrip FX, details of which are featured inside. Contact Ultra Tile to request a copy.

Tel: 01827 872 244 www.ultratileadhesives.co.uk



Weholite teams up with Barratt Homes to safeguard new housing development

Asset International Ltd (Asset), has supplied a Weholite storm water attenuation tank in order to facilitate effective water management at a new housing development in the north of England.

Barratt Homes required a drainage solution which was to be approved by Yorkshire Water and which would be able to adapt to unique site conditions. The attenuation tank will provide storm water management for the new Springhill Meadows development, which will be home to 134 new properties and just four miles south of the seaside resort of Scarborough.

Asset's specialist water management solutions team provided a tank of 433 metres in length, utilising 2,600mm diameter Weholite HDPE pipe to give a total storage capacity of 2,300 cubic metres (approximately 2.3 million litres of water). The tank will be used to help reduce peak flow at the housing development by restricting the flow of excess water caused by heavy rainfall

before releasing it gradually via an outfall back into the ground.

The installation of the storm water attenuation tank was complicated by poor soil conditions, as a result of high levels of running sand at up to two metres below ground level, a common problem in coastal areas. Asset recommended the use of 600mm crushed rock bedding to stabilise the trench bed, something that was approved by Yorkshire Water and has since proved to be extremely successful.

Speaking about the choice of Weholite plastic tanks and pipes, Brian Norton from Norcon Construction, who were the principle contractors on the project, commented: "The pipes were laid at a depth of 4 - 5 metres plus and their strength was never in question and complied very favourably with their specification. The pipes were easily managed, transported on-site and installed and we would have no hesitation in recommending Weholite for similar schemes."



Gareth Green, technical sales engineer at Asset, said: "The Springhill Meadows project demonstrates once again the versatility of our Weholite product and how it can be effectively used as a solution for flash flood risk areas."

"The attenuation tank was installed on-site in a speedy and efficient manner so as not to hold up the dozens of other contractors on-site, a particularly important requirement on such a large development, with so many moving parts."

"Our custom drainage solution provided the client with exactly what they were after."

For more information about Weholite call **Asset International** on **01633 273081** or visit **www.weholite.co.uk**

Dr. Martens – rugged workboots



Dr. Martens has drawn on over half a century of boot making experience for its Industrial Range of footwear. Technology has developed considerably over the last few decades but the premise for what is required has remained the

same: comfort, protection and durability. Incorporating style into the equation comes naturally to Dr. Martens and some of its key designs take pointers directly from the fashion lines. The result is a collection of rugged, versatile work boots that combine all the necessary safety elements with authentic Dr. Martens styling for a genuine multi-purpose offering, looking good both in and out of work.

0845 437 3141 www.drmartens.com/industrial

Snickers



It's great working outside in the summer months, but being hot and sweaty is almost as uncomfortable as being cold. When the going gets hot on site, staying well ventilated is crucial. It helps you stay focused and alert, minimising the likelihood of making bad decisions and putting your health and safety at risk. Snickers' Warm Weather Workwear – in particular the A.V.S. garments – combines market-leading fabrics with advanced technology for top class working comfort and

functionality. Its high-tech A.V.S. fabric is an innovative mix of polyester and bamboo carbon, which combine to produce a highly breathable material for moisture transportation, UV protection and anti-odour comfort.

Snickers' new work gloves



Ask any professional tradesman or woman and they'll agree that hands are the most important tools on site. That's why **Snickers Workwear** decided to develop the most effective and practical range of work gloves available today. Check out Snickers' new full colour 2014 catalogue and you'll see why these market-leading products satisfy almost every conceivable working need on site. The range includes precision gloves, which are light and flexible with a design priority

on dexterity and fit, knuckle protection, cushioning and reinforcement, plus power gloves, which are comfortable and hard-wearing.

Profloor meets requirements



Crest Nicholson has selected **PROFLOOR** Acoustic Systems for installation at its prestigious dockside development at Port Marine, Portishead. The **A. Proctor Group** supplied 5,000 sq m of its Profloor Dynamic Deck 26 as the floating floor treatment to the separating floors. In addition to

this, Profloor Levelling System was also used in the first floor due to unevenness of the sub-floor. Profloor Dynamic Deck 26 comprises a unique resilient layer bonded to flooring grade tongue and groove chipboard. It provides a high degree of isolation resulting in significant improvements in impact sound insulation and also meets the requirements of Robust Details FFT5 constructions.

01250 872261 www.proctorgroup.com

An evolution of the roofing tile



From specifiers for new build homes, via local authority refurbishments and solid roof conservatory conversions, there has never been a better time to specify **Metrotile Lightweight Roofing**.

An evolution of the roofing tile, Metrotile offers more benefits than traditional roofing products in a tile that weighs up to a seventh of slate or clay products. Find out more at Metrotile's brand new website and check out our its brand new series of video installation guides.

01249 658514 www.metrotile.co.uk

IKO launches Hyload Trade



IKO PLC has launched Hyload Trade, a high performance polymeric DPC suitable for use as a damp proof course and cavity tray system in all types of construction from house building to industrial and commercial projects.

Hyload Trade has the same proven pedigree and technology as Hyload Original, a market leading product, which has been providing damp-proofing security for over 40 years. Hyload Trade benefits from low permeability to hazardous ground gases such as radon, carbon dioxide and methane and conforms to the requirements of CIRIA C665, NHBC and BS 8485.

01257 488011 www.ikogroup.co.uk

Rt Hon Tom Clarke visits Heathrow Terminal 2 to view Bison's £1.15 million works



Rt Hon Tom Clarke, MP for Coatbridge, Chryston and Bellshill, where **Bison Manufacturing** is based, met with representatives from the company and toured Heathrow's Terminal 2. Bison, which manufactures concrete building components including walls, stairs and floors, was responsible for producing more than 40,000 square metres of flooring for the project, equivalent to almost 10 acres and enough to cover around six football pitches. The company has successfully completed a prestigious £1.15 million contract to help build the UK's newest airport terminal, set to open on 4th June this year. Bison Manufacturing will have its work showcased on a Global stage with more than 20 million passengers from around the world set to use the new terminal every year. The contract accounted for half of the factory's output over eight months, with 20 staff from the local area retained to help meet the increased workload. The project also gave Bison the opportunity to develop a new product that it had never been required to manufacture previously. At 60mm deep, the flooring slabs produced for Terminal 2 were specially created for the project and are the thinnest to be manufactured in Britain. Tom commented: "I have been thoroughly impressed by what I have seen. I am so proud of their link in the Uddington part of my constituency."

01283 817500 www.bison.co.uk

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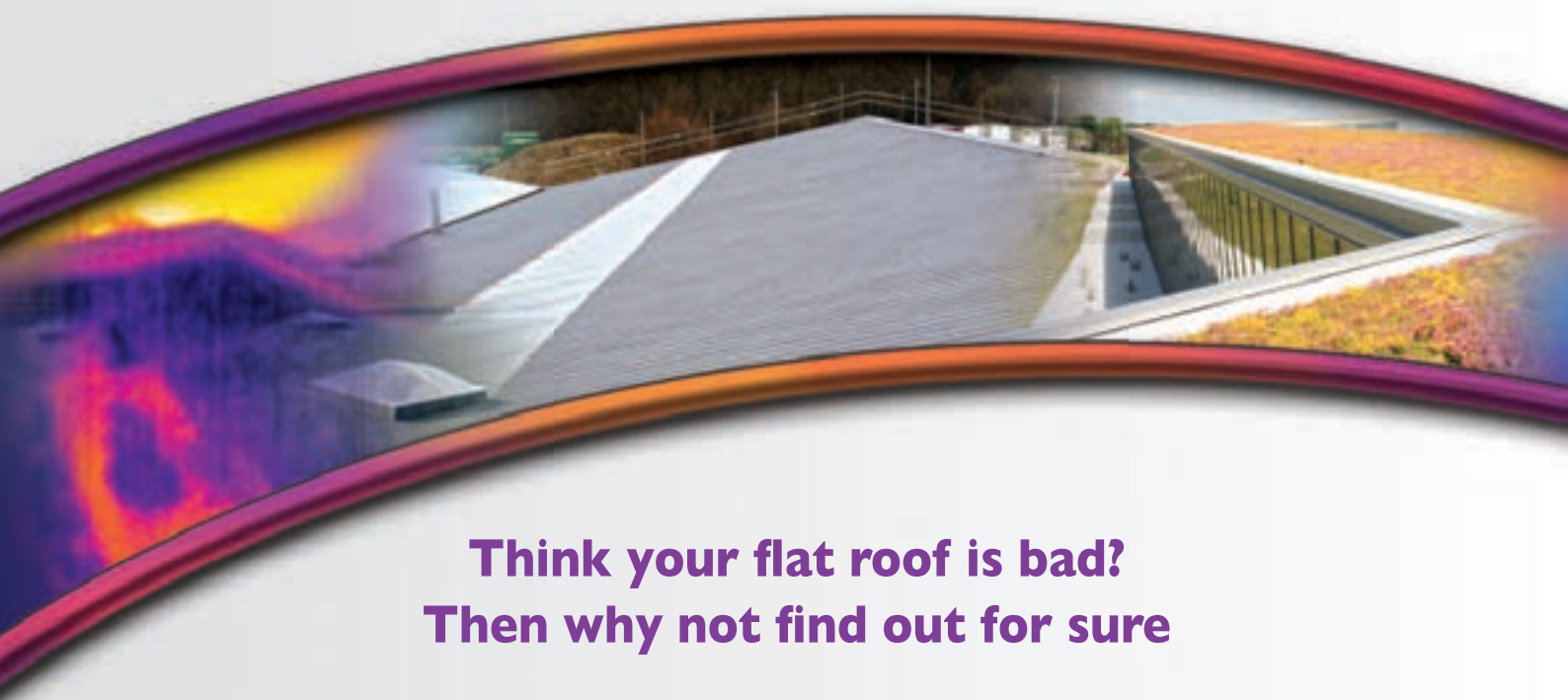
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GALVANIZERS ASSOCIATION

Photo courtesy of SWH Group - www.zink-different.com



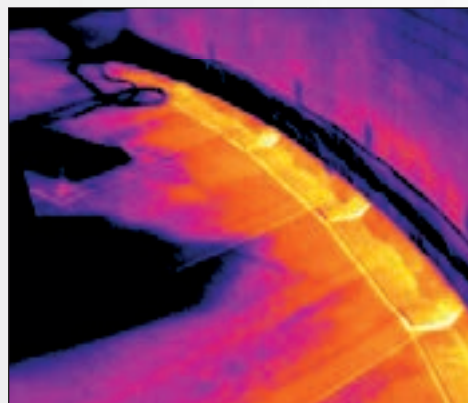
**Think your flat roof is bad?
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Wet insulation will accelerate the failure rate of your roof and increase heating costs.



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If you would like to book a CPD Seminar then please contact us

Proctor membranes used in self-build



The **A. Proctor Group** recently supplied Roofshield, its unique air and vapour permeable pitched roof underlay to an exclusive self-build project. To complement the specification, for the walls, Reflectashield TF 0.81 high performance breather membrane was used on the outside

face with Reflectatherm Plus vapour barrier on the inside which assisted in achieving a U-value for the walls of 0.12 W/m²K. The roof panels also had Reflectatherm Plus vapour barrier on the inside with Roofshield on the outside, contributing toward a final U-value for the roof of 0.11 W/m²K.

01250 872261 www.proctorgroup.com

alsecco launches brick slip and tile range



alsecco has sourced one of the largest and most innovative ranges of brick slip and tile finishes, available to you now under one roof, as collection alsecco. alsecco ensure the thermal performance of your building with high performance, BBA-approved insulated systems to suit all types of

project and specification. With the addition of collection alsecco to the portfolio, alsecco offers one the most comprehensive ranges of brick slip and tile finishes, providing design freedom and versatility for architects and designers. Bringing together acrylic, clay, stone and ceramic finishes, collection alsecco is the ideal solution for renovation and new build projects alike.

01785 818998 www.alsecco.co.uk/collection

Schlüter compliments £480 million state-of-the-art hospital



Top of the range movement joints from **Schlüter-Systems** have been chosen to secure the flooring of a new £480 million project that will see Southmead Hospital Bristol become one of Europe's leading medical facilities. Playing an essential role in the hospital's aim to deliver exceptional healthcare and high quality facilities, Schlüter's maintenance free movement joints, Schlüter®-DILEX-KS, were specified thanks to the product's high durability and secure edge protection for tile and natural stone flooring. Installed throughout the new Brunel Building, Schlüter®-DILEX-KS offers the ultimate in flooring protection. Ideal for use with floors that are exposed to pedestrian traffic and for surfaces subjected to heavy mechanical traffic, the stainless steel movement joints ensure tiles won't bulge, dent or crack from substrate. However, as with any installation, a product has to tick a variety of boxes to become the recommended choice of architects and contractors and so, as well as its ability to protect and secure, Schlüter®-DILEX-KS also provides a high quality finish. Matching perfectly with the new state-of-the-art surroundings, the movement joints provide a discreet but aesthetically pleasing look to compliment its surroundings. 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



Imaginative Solutions

Rubb's experienced engineers have the skills and expertise to provide architectural solutions to specific site or project challenges.

Over the years Rubb has built close working relationships with architects and practices to deliver innovative, cost effective, custom building solutions which can be quickly designed, manufactured and erected in a wide variety of bespoke sizes, colours and shapes. Contact us for a quote today...



Email: info@rubb.co.uk | Tel: +44 191 482 2211 | www.rubbuk.com





Advertorial

Eurobond NRG panels light the way for energy savings



Low environmental impact is an essential part of Eurobond Laminates' ongoing success and the launch of the innovative NRG wall panel option is the latest demonstration of its brand promise of sustainability and energy savings.

The new NRG solution is available on the Europanel, Rockspan, Rainspan and Firemaster panel ranges and it utilizes a special high reflectivity internal steel face that maximises daylight and reducing the requirement for artificial lighting. The result is lower energy bills for the life of the building, a reduction in the CO₂ footprint and a positive contribution to material credits in a BREEAM assessment.

The NRG panels are available in a wide range of external finishes that combine aesthetics, functionality and performance. NRG panels are ideal for industrial buildings, logistics centres, retail and warehouses and other buildings that need good levels of lighting.

The internal liner of a NRG panel is Colorcoat® High Reflect – an innovative material designed with maximum reflectivity to reduce energy requirements, associated operational costs and CO₂ emissions. NRG is a passive energy saving product, maintenance free and the benefits are expected to last the life of the building in normal and unpolluted environments.

The new NRG panel option offers:

- ≥ 85 per cent reflectance, reducing the amount of energy required to achieve the same level of lighting.
- Significantly reduces CO₂ emissions helping to achieve compliance with tightening regulations.
- Can improve daylight factor by 10 per cent.
- Energy savings of over 8 per cent per annum *

All NRG panel systems deliver a fast track construction and the architectural excellence demanded from modern building envelopes. The long span capability can reduce secondary steelwork requirements and build costs. The high level of airtightness improves the overall energy efficiency of a building.



* Based on 4,000m² building, daytime operation [Payback for 24 hour operation is ≤ 1.5 years] Based on SBEM Calculation under NCM conditions for Part L compliance. High Reflect used for wall and ceiling.

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

Proctor membranes used in self-build



The **A. Proctor Group** recently supplied Roofshield, its unique air and vapour permeable pitched roof underlay to an exclusive self-build project. To complement the specification, for the walls, Reflectashield TF 0.81 high performance breather membrane was used on the outside

face with Reflectatherm Plus vapour barrier on the inside which assisted in achieving a U-value for the walls of $0.12 \text{ W/m}^2\text{K}$. The roof panels also had Reflectatherm Plus vapour barrier on the inside with Roofshield on the outside, contributing toward a final U-value for the roof of $0.11 \text{ W/m}^2\text{K}$.

01250 872261 www.proctorgroup.com

Avant Homes specifies Protan roofing



National housebuilder Avant Homes has selected PVC roofing membrane system manufacturer **Protan** as a preferred supplier for its new product range of four and five-bedroom houses. All of the flat roofs on the four and five-bedroom homes are covered using the Protan SE

1.2mm single ply membrane, which is

hot air welded at joints and mechanically fixed to the roof. Designed to cope with extreme weather conditions without detriment, the membrane achieves durability for up to 30 years. In addition, air leakage is controlled in line with the latest Building Regulations.

01925 658001 www.protan.co.uk

Axter at the NBS National BIM library



As a leading, design focused manufacturer of roof waterproofing systems, **Axter** has created, in partnership with RIBA, a series of Building Information Modelling (BIM) objects enabling design teams to include high performance, robust roofing in their 3D models. BIM is the way forward for building design and implementation, allowing all parties to share a common information pool. Axter BIM objects include its most widely specified systems –

WILOTEKT-PLUS® structural waterproofing, ALPAFLORE green roofs, EXCEL warm roof constructions and ECOFLEX single ply. These can be freely downloaded in all major formats from the RIBA NBS National BIM Library.

01473 724056 www.axter.co.uk

Klober



With a water vapour transmission of $2736 \text{ g/m}^2/\text{day}$, Klober Permo® air is classified as air-open, so the NHBC approves its use without supporting high level ventilation. This not only prevents formation of condensation in the roof space during a building's critical drying out period, but enables the roofline to be uninterrupted on refurbishments, a critical factor with listed buildings and barn conversions. Permo air is a 3-layer, UV stabilised polypropylene fleece with a high performance meltblown layer. Suitable for cold and warm roof designs, it can be used in temperatures from -40°C to $+80^\circ\text{C}$ and is fully recyclable.

Tel: 01332 813050 www.klober.co.uk

Fakro flat roof window meets standards



The quadruple-glazed, Passive House-certificated **FAKRO FTT U8 Thermo** has by far, one of the best installed U-values currently available: $0.58 \text{ W/m}^2\text{K}$. The same glazing unit is now available in the new Type F flat roof window, the U-value of which is $0.76 \text{ W/m}^2\text{K}$. Its PVC frames have a white, acid-resistant internal surface which

has a very low moisture absorption rate. In addition to a standard range, Fakro manufactures the type F in bespoke sizes to match old skylights in need of replacement. Electrically operated, manual and non-opening windows are available as well as the XRD base which provides an upstand height of 15cm for green roofs.

0845 021 3030 www.fakro.co.uk

Heritage Roofing Register – a helping hand



A unique register of heritage roofing specialists is providing much needed help and assurance for architects and specifiers when working on heritage projects. The Register is the brainchild of the UK's largest roofing trade association, the **National Federation of Roofing Contractors (NFRC)**. Designed to ensure that the roofs on some of the UK's most precious buildings are restored to the highest standards possible, this register – entitled The National Heritage

Roofing Contractors Register – provides an exclusive listing of only those roofing companies that have the vital skills and experience necessary for the repair and renovation of heritage projects. The Register comprises a total of 73 companies located throughout the UK.

Innovations in stairs and balustrades



Over the past decade the demand for a professionally designed home has been ever increasing. There has been a visible increase in property development across the UK and abroad from residential new builds to commercial refurbishments.

CANAL has recently helped complete the interior of a stunning home in Cheltenham with a very large helical stainless steel and glass feature staircase. CANAL fabricated the bespoke helical staircase metalwork and curved handrail at its manufacturing site in Nottingham, UK. Forming the clean lines and curved shape, the CANAL team produced the structure to be fully supported by only the base and the first floor landing with very little flex when in use.

CANAL will be opening a brand new London Showroom in May where you can visit and browse the latest innovations in stairs and balustrades. Contact the Architectural Sales Team for more information and to discuss your bespoke requirements today. Alternatively, visit the CANAL website for a full range of completed prestigious projects.

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Protan quality helps fulfill Amazon order



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One of Europe's largest single ply roofing membrane manufacturers has won a massive order for new Amazon fulfilment centres. Protan is supplying over 315,000m² in total of its SE membrane to create insulated roofs on three new logistics depots, each 181m x 529m, in Poland for the online retailer.

Delivery of almost 157.5 tonnes of Protan SE membrane per site, manoeuvring onto the roof and across its 0.5km width, mechanically fixing onto the roof structure of steel deck, vapour control barrier and insulation, and detailing round rooflights, parapets etc. all has to take place within the short six week timeframe.

01925 658001 customercare@protan.co.uk

RigiSystems Ziplok roof for WWF



The Living Planet Centre, WWF's new headquarters in Woking, was designed to be at the forefront of sustainable design and construction, and it is now one of the greenest buildings in the UK with a BREEAM rating of 'outstanding'. An integral part of this achievement is 2,000 sq m of RigiSystems

Ziplok standing seam roofing, atop the 80m long, curved timber grid shell. In a MicroZinc finish, the Ziplok was attached via RigiSystems Corogrid bar and bracket system to a timber ply deck, creating a U-value of 0.15. To match the aesthetics of the building, the 400m wide Ziplok was specially rolled with just two ribs and no microribs to provide a clean, sleek look to the roof structure.

01905 750500 www.rigisystems.org

Introducing Sopralene Optima



Sopralene Optima is a high performance bituminous waterproofing membrane that will take the lead with Soprema's new 25 year waterproofing systems. Sopralene Optima stands out from other SBS modified bitumen membranes because of its bespoke bitumen blend, optimum adhesion and resistance to extreme

temperatures down to -30°C. This gives the product excellent ageing characteristics, the composite reinforcement provides exceptional dimensional stability and the coloured ceramic granules give the membrane a particularly striking aesthetic appearance. Sopralene Optima is BBA certified and can be torch or cold applied. Sopralene Optima is available in the UK from 17 April onwards.

08451 948 727 www.soprema.co.uk

PVC-U windows: an alternative to timber



The VEKA UK Group's Mark Barsby looks at PVC-U as an alternative to traditional timber, and what brought about this change: "For many years, PVC-U barely got a look in when it came to heritage projects, and this could largely be forgiven: first generation windows didn't quite look the part compared to timber, despite the obvious energy efficiency benefits. The

industry acted quickly and products evolved at an astounding rate. Advanced systems were designed that were virtually indistinguishable from the real thing. It seems that decision makers in this sector are beginning to accept the advantages of this valuable, non-rotting, energy-efficient material. We now have a range of popular window systems that would be at home in any home, however old."

01282 716611 www.vekauk.com

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www.nfrc.co.uk info@nfrc.co.uk 020 7638 7663

Image courtesy of Concept Roofing & Cladding Ltd



An eye for architectural detail

While the purpose of museums and galleries is to showcase the exhibits inside, it's no coincidence that many of the world's most famous museums are also among the architectural world's most celebrated buildings. Look at the Louvre in Paris, the Guggenheim in Bilbao and London's own Tate Modern, for example.

Founded in 1815 when banker and spice merchant, Johann Friedrich Städel, bequeathed his house and art collection as a public institute that would bear his name, The Städel Museum in Frankfurt continues to use the same imposing but unremarkable building as its main exhibition space today. However, there have been numerous extensions and modernisations during the course of the museum's 200 year history and the latest, the €35 million 'Garden Halls', not only provides a distinctive and contemporary underground exhibition space but has also created an external landscaping feature which is both unique and in keeping with the Städel's status as the home of one of the most significant art collections in Europe.

The creation of an extension to the museum below ground provides a self-contained, contemporary exhibition space that extends the available space without creating any architectural conflict with the existing traditional façade. However, the real genius of this building is not in the physical space of the new underground building but in the roof of that building, which provides natural light and also forms the substrate for a new garden area that is a striking green space in the daytime and



provides eye-catching feature lighting at night.

At the heart of that achievement is the perfect geometry of 195 round skylights, or 'eyes on art' as the Museum calls them, positioned in a grid formation on the undulating domed lawn that forms the roof of the Garden Halls extension. These 'eyes' bring sunlight into the new building during the day and enable artificial light to illuminate the lawn from within the extension at night. The idea is simple in concept, spectacular in its realisation and technically challenging for architects Schneider + Schumacher who won an international design competition for the 3,000 sq m extension. The roof substrate of the extension had to be both sufficiently well waterproofed to ensure that the underground extension was safe from water ingress and suitably root resistant as the base for the garden lawn/green roof planting – and with 195 'eyes on art' creating so much detailing, this was no easy task.

The solution to meeting this challenge was to

use a cold liquid applied waterproof membrane and waterproofing specialist, Kemper System, was brought in to advise on the specification and application of a suitable membrane.

Explains Stuart Hicks from Kemper System UK: "Kemper System Germany was involved with planning the roofing element of the Städel Museum project from the early design stages to ensure that the design concept was deliverable and could provide a lasting water-tight solution. The architects wanted to use a long-term and homogeneous waterproofing product that would be durable enough to withstand footfall and flexible enough to cope with the contours of the dome-shaped roof.

"Kemperol 2K-PUR is a solvent-free system based on a castor oil formulation using sustainable crops. The solvent-free resin is used in conjunction with a non-woven reinforcement fleece, which is manufactured using recycled plastic bottles, and the two elements are installed in a single process to create a seamless, monolithic membrane that cannot delaminate and has a service life in excess of 25 years."

Go to www.architectsdatafile.co.uk and enter Ref: 10210 in the search bar to find out more about this extraordinary project.

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rebating and is energy 'A' rated. It has a 70mm thick sturdy door leaf with a lifelike genuine timber grain, giving it a traditional cottage appeal.

Tel: 02825 632200 www.appeer.co.uk

New Schueco aluminium window



New to the Schueco AWS aluminium window range is the high performance AWS 120 CC.SI, which combines exceptional levels of sound and thermal insulation with integral solar shading. The window is officially Passive House certified when appropriate glazing is used and is available as tilt/turn, side-hung inward opening or combined with fixed lights. The composite construction of the window takes the form of an inner vent – which is either double- or triple-glazed – coupled to an outer vent which is fitted with a single glass pane up to 10 mm thick. The cavity between the sashes accommodates a blind and, together with the glazing, provides the optimum solution for high sound reduction, without the need for unsightly secondary glazing.

01908 282111 www.schueco.co.uk

Imagine the perfect bi-fold door



The VEKA UK Group has further demonstrated its position as an industry leader in PVC-U systems with the unveiling of the innovative 'Imagine' bi-fold door. The technical experts at The VEKA UK Group chose to go back to the drawing

board with this product and 're-imagine' what we have come to think of as a standard bi-fold door. The official launch, following the FIT Show, comes after a successful appearance at Fensterbau. Sales and Marketing Director Colin Torley explains: "The new bi-fold was on display at Fensterbau and visitors to the event were very impressed; we received some extremely positive feedback."

01282 716611 www.vekauk.com

Freefoam's new cast iron style rainwater range



Freefoam, a manufacturer of a wide range of innovative products for the building industry, announced the addition of a new cast iron effect range to the Freeflow rainwater system. The range is manufactured with long lasting PVC-U and designed to provide the authentic look and feel of traditional cast iron rainwater systems with all the

benefits of a modern, low maintenance and fitter-friendly system. The cast iron effect system is available in both half round and deep styles with a full range of related accessories to ensure a neat and professional installation. Cast iron style guttering offers specifiers and property developers the ideal solution for a stylish traditional look, giving homeowners a low maintenance and long lasting system.

01604 591110 www.freefoam.com

If Carlsberg made buildings...

When Carlsberg UK built an extension to the bottling plant at its brewery in Northampton it wanted the new building to stand out externally as a great building. A major contribution to this aim was made possible by the choice of Rockspan and Europanel stone wool core cladding panels manufactured by Eurobond Laminates.

Yorkshire-based Caddick Construction won the contract to design and build the bottling hall and used a combination of panels in five shades of green – light at ground level to dark at roof level.



'Carlsberg UK wanted the new building to stand out externally as a great building. A major contribution to this aim was made possible by the choice of Rockspan and Europanel stone wool core cladding panels'

The 7,000m² expansion, within the Northampton Waterside Enterprise Zone, enables Carlsberg UK to double its production of brands including Carlsberg, Carlsberg Export, Carlsberg Special Brew, Tuborg, Skol, Holsten and San Miguel beers. The facility can produce a staggering 60,000 bottles of beer per minute – ten million per year. It also has a number of windows built into its side where people passing by can see bottles progressing through the factory.

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



Five shades of green Rockspan and Europanel deliver a stunning visual feature to Carlsberg UK bottling plant

Advertorial

Aluminium windows and doors are experiencing a renaissance, according to Reynaers at Home

Aluminium frame systems are experiencing a boom in sales as a result of high performance without compromising aesthetics.

Architects have long-recognised that aluminium is a very stable material that minimises expansion and contraction with changes in the ambient temperature.

Reynaers at Home Head Hugh Moss said: "This makes aluminium an ideal choice for sliding patio doors and bi-fold doors, where uPVC and timber tend to warp and twist, making the doors hard to open and close. Aluminium is inherently strong, which also means that architects can design really

big windows and doors without having to worry about a bulky frame to provide support.

"Not only are aluminium frames typically narrower than uPVC or timber alternatives, but the windows and doors can also be made much bigger too. This maximises the glass area and gives the best possible view. According to our latest architects' survey, 40 per cent of respondents said that big windows was the main architectural feature that can really make a home come to life and aluminium can help to make that happen much more easily than other materials."

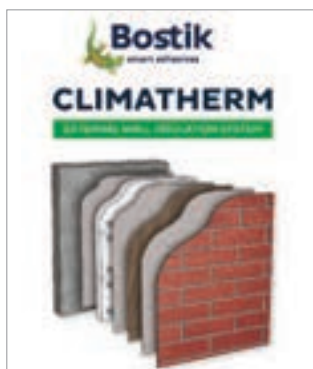
Robert Palmer, the managing director of Palmer



Market Research, said: "Aluminium is out-performing other materials for bi-fold doors by some margin – the sales of around 3,000 door sets in 2010 more than tripled to 10,000 in 2013 and is expected to triple again in the next five years – and these are conservative estimates."

For more information see the website www.reynaersathome.co.uk, email homeuk@reynaers.com or call 0121 421 9707

Bostik Climatherm external wall insulation



The BBA certified **Bostik Climatherm** external wall insulation system offers the quality and performance expected from leading manufacturer Bostik, along with a selection of different finishes and a comprehensive training scheme. BBA certification means that the system is approved for product performance and customer protection, including for use under various schemes funded by the Green Deal and the Energy Company Obligation (ECO).

The system comprises insulation, reinforced mesh, base coat and render finish. Options for insulation material include white EPS, grey EPS and mineral wool, while render finishes include a range of colours and Brick Effect Render, which makes it easy to achieve a realistic brick effect finish without the need for brick slips. Importantly, Bostik Climatherm has passed the most stringent BBA impact resistance test, confirming it is one of the most hard-wearing systems available. The comprehensive Bostik Climatherm training scheme allows installers to ensure their staff are fully competent in assessing projects and fitting the system. This is backed by the experienced Bostik technical support team, including problem solving for unusual on-site installation situations, detailed specifications and drawings.

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John Brash



The external refurbishment of The Bothy at Gorthleck was required due to the failure of the existing heather roof. After the most recent roof refurbishment, six years ago, the roof was still leaking. Heather roofing requires a specialist skill set which is no longer easy to find. The roof was re-specified using Canadian Cedar Shingles to achieve a natural roofing finish for this woodland retreat, which was watertight and aesthetically pleasing. Ian Sharp of contractor Wyvis roofing commented:

"Every individual shingle was cut to fit the flow and shape of the roof giving an incredible overall effect. It was a fantastic project to work on."

Tel: 01427 613858. www.johnbrash.co.uk

AluK specified for University of South Wales



AluK's aluminium building systems have been supplied for the new main entrance building at the University of South Wales, to create a new focal point. Combining design flexibility with functionality, the SL52 Curtain Walling System in RAL7038 Matt colour was fitted in two areas in the

main entrance of Block B. This system helps to create impressive glass façades that enhance the aesthetics of a building, but also provides the performance required to meet and exceed current standards. Meanwhile, 13 structurally enhanced aluminium swing door framing systems (GT55 NI) were used for heavy traffic areas where no insulation was required, providing the ultimate in security.

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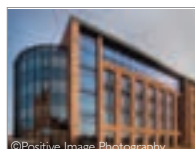
Extended insulated balcony connectors range



Construction fixings specialist **ANCON** has extended its existing balcony connector range to include three new thermally insulated systems designed to minimise the effects of cold bridging at concrete to concrete, concrete to steel and steel to steel interfaces. The new systems, called Isotec, STC and STS, are designed to provide an effective thermal break whilst maintaining full structural integrity by transferring moment, shear, tension and compression forces at the joint. Marketing Manager, Annabelle Wilson, said: "We have extended our connector range as balconies are an increasingly popular feature in the residential sector, where designers are keen to add style and aesthetic appeal to high density occupancies."

0114 2755224 www.ancon.co.uk

Kawneer helps women with a WICED view



The UK's first Women's International Centre for Economic Development (WICED) showcases almost the full spectrum of glazing from architectural aluminium systems supplier, **Kawneer**. Its AA*100 curtain walling features on a striking faceted convex and concave gable screens and is complemented by AA*601TE casement windows and series 350 severe-duty commercial entrance doors. The Kawneer curtain walling with 50mm sightlines includes feature face caps that extend above the curtain walling line to provide balustrading to the upper terrace levels while the windows include automatic-opening top-hung vents on the first floor and manual top-hung vents on the ground, second and third.

01928 502500 www.kawneer.co.uk

Lathams latest cladding gets TRADA approval



Accoya®LathamCLAD – the modified, highly durable and dimensionally stable certified timber cladding – is now available from all eight of **James Latham's** timber depots. Created from sustainably sourced wood and completely non-toxic, Accoya®LathamCLAD is a revolution in wood technology. And with the 15mm profile having recently received TRADA approval for use as an external cladding product, Accoya®LathamCLAD is a perfect solution for exterior cladding, siding and façades where the wider board offers numerous features and benefits including enhanced aesthetics, less frequent maintenance, dimensional stability, durability and improved insulation values. Suitable for horizontal or vertical installation, Accoya®LathamCLAD can be used to create simple or complex designs. And with a choice of factory coating finishes, it can be opaque coated or, for those wishing to enjoy the natural look of wood, translucent coated. Plus, with a 50-year guarantee when used externally, Accoya®LathamCLAD's low maintenance requirements add to its 'whole life' cost effectiveness and environmental credentials. ACCOYA® and the Trimarque Device are registered trademarks owned by Titan Wood Limited, a wholly owned subsidiary of Accsys Technologies PLC, and may not be used or reproduced without written permission.

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Unique colour, award winning homes

Freefoam, a leading manufacturer of innovative products for the building industry in the UK, Ireland and mainland Europe, provided a bespoke shade of grey for the roofline of the award winning Linden Homes development at Graylingwell Park, Chichester. Using its innovative Colormax technology Freefoam manufactured a new colour called Quartz Grey to exactly match specified windows and doors. Freefoam New Build Manager Chris Fenney explained: "As preferred suppliers of roofline products to Linden Homes we already have a close working relationship and on this large development we were asked to provide fascia and soffit in an identical shade to already specified window frames and doors. We were able to assess the colour composition of these items and use our expert knowledge to blend a unique mix of stabilisers and pigments to create an exact colour match." The UK is beginning to see a significant shift in specification from white roofline to colour. Colour sales have doubled in the last 15 years to 20 per cent and this trend is predicted to increase.

01604 591110 www.freefoam.com

An advertisement for Holdsworth Windows. It features a large, arched window with a black frame. To the right of the window is a product information sheet titled 'Energy Windows' which includes a color-coded energy efficiency scale from A to G. Below the window, there is a curved white object, possibly a bathtub or a large planter. The background is a light-colored wall.

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Yeoman Rainguard



Quality, function and appearance were major factors when choosing rainwater goods to renovate Wayout Lodge, a listed property which has undergone a major transformation by owner and interior designer James Gostelow. Existing plastic drainpipes were replaced with Rainguard XL Aluminium pipes and gutters.

"In my eyes aluminium guttering was the most cost effective way of achieving a solid material and a great look,"

said James. "I wanted a design to fit in with the era of the lodge and give that dramatic effect. The Yeoman Rainguard Victoria GRP Hopper was able to fit the bill exactly."

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

Sapphire makes a difference



Beautiful glass balcony balustrades, manufactured and installed by Sapphire, are ensuring perfectly clear views for residents at Eltham Springs, a new shared ownership housing scheme in south east London. Sapphire's Crystal frameless structural glazing system, with no vertical

support posts, creates a sleek and stylish surround for balconies to 49 apartments built by Willmot Dixon for London & Quadrant Housing Association. Glazed balcony balustrades were specified for the residential project for their visual appeal, to maintain simplicity, and to give an understated lightness to the modern, uncluttered facade.

greenteQ SENSO turn handle by VBH



FG SENSO is the latest product from the German greenteQ range to be introduced into the British market by VBH. It is an attractive matt brushed stainless steel tilt and turn handle with in-built electronic alarm and climate control functions. The alarm function detects any vibration that may indicate an attempted break-in. The vibrations trigger a three minute 115 db(A) alarm signal to deter would-be intruders. Once the handle is in the closed position the alarm function is activated, without the need to enter a password or remember to click a switch. The climate control function detects when the air humidity in a room exceeds a pre-set figure (50, 55 or 60 per cent). The user is alerted via two LED lights on the sides of the handle backplate.





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RMIG helps Denmark's North Star School shine

An innovative school at Fredrikshavn in Denmark is using precision perforated steel panels from RMIG, to create giant graphic images depicting key landmarks from across the world as part of a unique cladding and facade solution at the new North Star School.

Designed by architects Arkinord A/S and Arkitema K/S, with the picture perforations developed by Art-Spot Design, the school provides primary, junior and secondary education for approximately 1,200 pupils and was created by combining the facilities of three existing schools into a single new 14,000 sq m building.

By using a two-storey, five-pointed star design, all the classrooms have access to natural light and ventilation, to create a comfortable working environment that is conducive to education as well as

creating a spirit of adventure, which is reflected in the building's design and the perforated facade from RMIG.

The flat wall at the end of each arm in the school's star design incorporates an individual complex graphic design manufactured by RMIG using its proprietary ImagePerf technology that allows thousands of different sized precision perforations to be made and create graphic images from artwork, drawings and even photographs.

RMIG worked closely with the two architectural firms and Art-Spot Design to convert the concepts into finished perforated panels representing a scene inspired by the compass direction of each arm of the star. For the western arm, the USA and UK are represented, while Scandinavia, Africa, the Middle East and the North Pole are conveyed on the others.

Contact RMIG for more information on 01925 839 600, email info.uk@rmig.com or visit www.rmig.com

Levolux keeps The Wilson cool



Following a £6.3 million renovation project, The Wilson – Cheltenham's Art Gallery & Museum – has opened to national acclaim, featuring a unique solar shading solution from Levolux. Levolux was invited to develop a comprehensive solution, comprising an arrangement of fixed Louvres applied horizontally across the façade, along with a series of internal double

roller blinds. While the external Louvres provide effective shading, they were also required to appear sympathetic to the existing 19th century period architecture. In total, Levolux installed 194 tubular ceramic louvres, each measuring 75mm in diameter, supplied in a white gloss, glazed finish, and reinforced by a stainless steel bar running through the centre of each louvre.

EcoTherm solutions on top of the shops



EcoTherm products have provided a cost effective flat roof insulation solution for a multi-storey development in North London including a new Sainsbury's supermarket and two storeys of flexible commercial space. Over 7,000 m² of

EcoTherm Taper-Bond and Eco-Fix were installed on the development in two build-ups designed by EcoTherm's specialist tapered insulation partners, Building Innovation. The main roof featured a concrete deck, and to reduce the overall scheme height, the aluminium foil faced EcoTherm Eco-Fix was mechanically fixed as an underlay for EcoTherm Taper-Bond (tapered Eco-Bond). This build-up helped to minimise heat loss and prevent the potential issue of water ponding.

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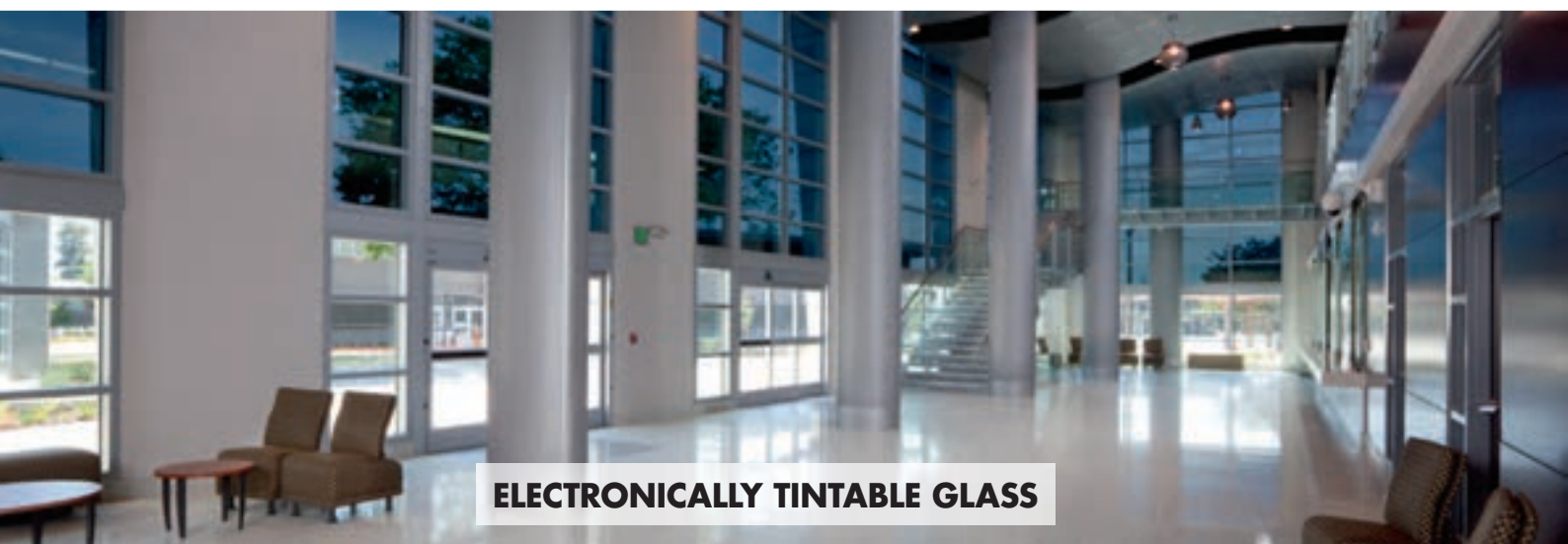
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Kingspan Kooltherm slims down its lambda



When it comes to internal insulation, every millimetre saved can have a real impact on the final living and working space. With that in mind, **Kingspan Insulation** is proud to introduce the first of its new slim line range of Kooltherm products featuring a thermal conductivity of 0.019 W/m·K – the next step towards an expected 0.018 W/m·K. In addition to a

lower thermal conductivity, the products feature a 9.5mm plasterboard finish and an integral vapour control layer – a winning combination that can help achieve desired U-values with a minimal build-up. The improved thermal efficiency of the insulation is delivered through a cutting-edge blowing agent.

01544 387 384 www.kingspaninsulation.co.uk

Kingspan TEK® for flagship development



The **Kingspan TEK®** Building System has been installed as part of the walls and roofs of 185 new properties in South Gloucestershire, helping to form one of the UK's largest 'zero carbon' developments. Kingspan TEK Building System panels comprise a high performance insulated core sandwiched

between two layers of Oriented Strand Board type 3 (OSB/3) and were designed and factory pre-cut to the project's requirements by Kingspan TEK Delivery Partner, Kingspan Timber Solutions. Kingspan was involved from the initial design phase of the project and worked alongside HTA Design LLP, Barratt Homes and Sovereign Housing Association right through to the final detailing.

01544 387 384 www.kingspantek.co.uk

New innovations from Kingspan Tarec®



Kingspan Tarec is offering specifiers even greater freedom and flexibility with the latest developments in its premium performance Kooltherm® FM Pipe Insulation. The manufacturer has introduced slotted board technology to complement its award winning continuous pipeline manufacture process, creating a

range of fully bore coated products for pipe sizes from 15 to 610 mm. An architectural 'Theatre Black' facing option has also been launched, providing an ideal alternative for exposed to view applications. With thermal conductivities as low as 0.025 W/m·K, Kooltherm FM Pipe Insulation is able to meet the thermal performance requirements of each application with a minimal thickness.

01457 890400 www.kingspantarec.com

Institute discovers outstanding performance



When plans were drawn up for a new multi-million pound institute to lead cutting edge research into environmental change, minimising the building's CO₂ emissions and environmental impact were key design considerations. Accordingly, a wide range of **Kingspan Insulation** products have therefore been

installed on the walls, floor and roof of the University of Exeter's Environment and Sustainability Institute (ESI), helping it to achieve a BREEAM Outstanding rating with an interim score of 91.57. Both Kingspan Kooltherm K3 Floorboard and Kooltherm K15 Rainscreen Board were installed. Both products have a Green Guide summary Rating of A+.

01544 387384 www.kingspaninsulation.co.uk

New specification tools from Knauf Marmorit



A brand new suite of literature, updated CAD details and Building Information Modelling (BIM) drawings are now available to download from the website of render and external wall insulation systems (EWI) manufacturer **Knauf Marmorit**. The new literature system

comprises 15 individual elements ranging from brochures and datasheets up to a comprehensive 45-page technical manual. The company's CAD library now includes some 89 detail drawings in DWG and PDF formats. A suite of BIM details illustrating the company's Warm Wall Systems has been created for Knauf Marmorit in the most popular CAD formats by the NBS National BIM Library.

0117 982 1042 www.marmorit.co.uk

Refurbishment benefits from AET Flexible Space



AET Flexible Space has recently supplied its under floor air conditioning system to another height restricted London refurbishment at 20 Cannon Street, near St Paul's Cathedral. With very limited structural height space, the building was not suitable for a traditional ceiling-based air-conditioning solution. AET's Flexible

Space system was specified by project consultants Mott MacDonald as an alternative as it is ideal for this type of refurbishment project. By eliminating ceiling based services, it enables older buildings to be equipped with high specification air-conditioning while maximising the available floor to ceiling height.

01342 310400 www.flexiblespace.com

Evinox simplify underfloor heating control for communal schemes



To simplify underfloor heating control for communal/district installations, **Evinox** has launched an UFH control kit for its ModuSat HIU system. This provides individual room or zone temperature control when combined with Evinox room thermostats. The Evinox UFH control system connects to the ModuSat Heat Interface Unit and the ViewSmart room controller, which then operates as the time programmer. The UFH control system sends a run signal to the ModuSat when there is a demand for heat from any of the room thermostats or a run signal from the ViewSmart controller during the timed period. This allows for each room to be independently adjusted within the timed programme of the ViewSmart controller. For example, an occupant who works from home can turn the heating on by simply adjusting the temperature in the one room they work in, and reduce the temperature in unoccupied rooms if required. In addition to this, using Evinox's SmartTalk remote monitoring system it is possible to adjust individual zone/room temperatures and also provide remote diagnostics. Evinox combines the expertise and independence to deliver lifetime communal heating packages for any project brief.

01372 722277 www.evinox.co.uk

Uninterrupted sounds of war at Bannockburn



Air handling and heat recovery specialist Air Design is helping to ensure that visitors to a brand new attraction at The Battle of Bannockburn attraction get the full experience. A heritage centre has been built to commemorate one of the most famous battles between the Scots and the English,

with a virtual environment allowing visitors to lead their own division of medieval soldiers in a dramatic battle simulation. No distractions were wanted from the interactive experience, so two air handling units from Air Design were required for the centre's HVAC system. The units feature a single phase AC backward curved fan, selected as it is one of the quietest fans available.

01384 720460 www.air-design.com

Healthy results for Southmead



Southmead Hospital in Bristol has demonstrated its energy efficiency credentials, through a programme of air tightness testing conducted by BM TRADA. The £425 million project, which opens in May, was shown to achieve air permeability ratings well under the minimum level of 10m³/h/m² required by Part L1A of the

Building Regulations. BM TRADA worked closely with the design and site management teams, as well as building control, to schedule the tests, which involved setting up fans in multiple locations to pressurise the building and taking numerous readings of pressure difference and fan flow rates.

01494 569 800 www.bmtrada.com/testing

Development benefits from heating solution



Atlantic Boilers has installed its super-efficient electric boilers at a new development of a period building. Breakspear House in Harefield, Middlesex is a magnificent Grade I listed building. Phase 1 of the development consisted of the main building being converted into nine luxury apartments. Ideal for each of these highly insulated rooms were the Atlantic

Multi-Elec Compacte boilers each rated at 36kW. These units are robustly made to a working pressure of 4BARS and temperatures from 40°C to 95°C. The boiler body has 50mm thick rockwool thermal insulation and a seasonal efficiency greater than 99 per cent GCV. The boiler bodies have a five year warranty.

0161 621 5960 www.atlanticboilers.com

Affordable heating solutions



Valor and Robinson Willey, both part of GDC Group will be joining forces at CIH Housing 2014 (stand D8) to display their impressive portfolio of energy efficient fires, suites and surrounds for the social housing sector.

Valor and Robinson Willey will be focusing on 'affordable heating solutions,' exhibiting a selection of electric and gas fires designed to minimise energy consumption and running costs. Highlights include Valor's Ecolite electric suites and fires and the Robinson Willey KLX range of electric suites.

www.valor.co.uk www.robinsonwilley.co.uk

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Advertorial

Monodraught celebrates 40 years at the top

Natural ventilation, daylighting and cooling specialist, Monodraught, celebrated its 40th anniversary in March. Renowned for its Windcatcher, Sunpipe and Cool-phase 'natural' systems, Monodraught has established itself over four decades as the UK's most innovative creator of low energy solutions for the building services industry.

Windcatcher

Founded in 1974, initially to manufacture and supply balanced flue brick chimneys, a small but innovative company led by Professor Terry Payne quickly developed to exploit a growing interest in air movement. This, in turn, led to the production in 1988 of the first prototypes of the company's groundbreaking Windcatcher natural ventilation systems, helping to create the building services industry's now popular Natural Ventilation of Buildings sector.

Developments of the Windcatcher have included the state-of-the-art Sola-boost ventilation unit, which uses solar driven PIV to provide energy-free, solar-powered ventilation while maintaining a traditional appearance. So innovative was this new natural ventilation solution that, in 2006, Sola-boost was awarded 'Best Building Services Product of the Show' at the UK building industry's Interbuild exhibition. Then, in 2010 the next generation Windcatcher, the completely re-engineered Windcatcher X-Air, joined the Monodraught natural ventilation portfolio featuring an Active Louvre System and 'No Leak Guarantee'.

Sunpipes

Having helped to create the Natural Ventilation sector from 1974, Monodraught applied itself to natural daylighting and, in 1995, the Sunpipe natural daylight system was launched into the UK market and was followed just two years later with the introduction of the Suncatcher, an all-new system combining natural daylight and natural ventilation.

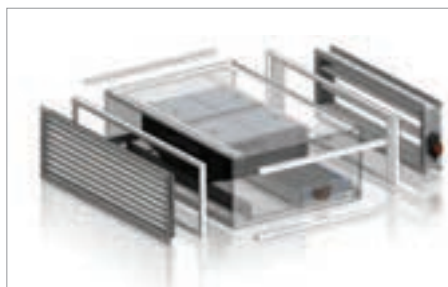


Cool-phase

Following a four-year development programme, 2009 saw the UK launch of Cool-phase, an innovative application of the exciting new 'phase change technology', to create a low-energy cooling and ventilation system that creates a thermally-comfortable, fresh and healthy indoor environment, while reducing the energy consumption and running costs of buildings.

In 2013, design and technology enhancements were incorporated and Cool-phase Nova was introduced. Monodraught began the upgrade by exploring new design techniques to speed the design process and, having already used 3D modeling within the R&D department, the company complemented it with the latest 3D printing technology to enable them to bypass traditional 'prototype' lead times.

Still innovating: the hybrid thermal mixing system



Typical of Monodraught's commitment, exactly 40 years after it was founded, the company has unveiled another creative and innovative product – the Hybrid Thermal Mixing System (HTM). This exciting new product is designed to provide a mix of air from natural and hybrid ventilation for winter, with the ability to deliver secure night time cooling and boosted levels of ventilation in the summer.

HTM is designed to meet the requirements of the Priority Schools Building Programme by combining exceptionally low specific fan powers and an intelligent control system as standard, which includes a full data logging facility, temperature control and CO₂ control.



The business development

Growing demand for Monodraught's innovative natural building services solutions created rapid expansion and in 2000 the company moved to its current premises in High Wycombe. Later that same year Monodraught was incorporated into VKR Holding.

In 2013 Monodraught created its own Technology Centre at its High Wycombe facility to act as a training resource and provide easy access to working examples of new products and technologies.

Summary

Monodraught is proud to have been delivering sustainable solutions for 40 years and is looking forward to continuing into the future.

The following dateline is a summary of all the Monodraught products produced in 40 years

Technology timeline – 40 years of Monodraught highlights

- Founded 18 March 1974
- First prototypes of the Windcatcher Natural Ventilation Systems in 1988
- 1991 first major commercial installation of Windcatchers installed at Bosch Industries
- 1995 Sunpipe Natural Daylight System launched
- 1997 Suncatcher System launched
- 2000 moved to Halifax House, High Wycombe
- 2005 Sola-boost system created
- 2006 Sola-boost awarded "Best Building Services Product of the Show" at Interbuild
- 2007 iNVent introduced
- 2007 Monodraught incorporated into VKR Holding
- 2009 Cool-phase launched
- 2010 Windcatcher X-Air introduced with Active Louvre System and No Leak Guarantee
- 2011 Ventsair launched
- 2013 Cool-phase Nova introduced
- 2014 Celebrating 40 years of innovation

To find out more visit the website
www.monodraught.com

Lucy Switchgear launches content rich website



Lucy Switchgear, a leader in medium voltage, secondary power distribution solutions, has launched a new, content-rich website. Designed to make it quicker and easier for visitors to find the information they want, it also includes a host of exciting new features for Lucy Switchgear's customers, agents and partners. A key new feature on the site is the 'ask a question' facility. Through this, visitors can access Lucy Switchgear's specialist expertise and get answers to their technical questions, direct from experienced engineers. Easy product navigation and a lightning-fast search facility helps visitors to quickly find information about Lucy Switchgear's best-in-class products and services.

01844 267 267 www.lucyswitchgear.com

Renewable Ecodan system meets targets



When Andrew Fish was looking to build a new house in an off-gas area in rural Wiltshire he needed a heating system that would fit with a strict overall budget and protect the home against rising fuel bills into the future. Manufactured by Mitsubishi Electric, Ecodan is the market-leader in air source heat pump systems and is also endorsed with the Noise Abatement Society's prestigious 'Quiet Mark'. The Ecodan unit heats the home through underfloor heating on the ground floor and radiators in all first floor rooms and provides all the hot water the house needs. The choice offers Andrew Fish a comfortable, sustainable heating system at low running costs for both now and the future.

01707 282880 www.heating.mitsubishielectric.co.uk

Mitsubishi Electric



Mitsubishi Electric has launched a dedicated Ecodan selection tool to coincide with the government's announcement that heat pumps are now included in the non-domestic Renewable Heat Incentive (RHI). The new Ecodan selection tool allows anyone to examine the viability of heat pumps for their building and shows both running cost comparisons against other technologies and payback periods, which take the RHI payments into account.

Tel: 01707 282880 <http://heating.mitsubishielectric.co.uk/ecodanselectiontool/Pages/default.aspx>

DBM offers 20 per cent energy savings



Save up to 20 per cent on home heating and hot water bills with Marshall-Tufflex's award-winning Domestic Boiler Manager system. DBM controls the firing cycle of gas, oil and LPG boilers, reducing unnecessary boiler firing (dry cycling). Not only does this typically reduce boiler running costs by 20 per cent (subject to usage pattern), it also prolongs the lifespan of boilers because they do not have to work as hard. The DBM's software uses flow and return temperature data to calculate the most efficient boiler firing pattern. This significantly reduces fuel wastage. Internal comfort levels are maintained and CO₂ emissions reduced.

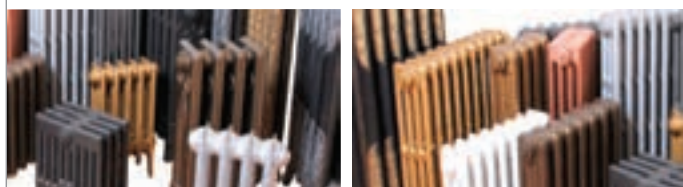
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Mitsubishi Electric



Mitsubishi Electric has launched two new pre-plumbed and pre-wired hot water cylinders for the Ecodan monobloc range to offer a renewable heating solution with one of the smallest footprints on the market. The 150 litre and 180 litre stainless steel cylinders are ideal for new-build properties where space is at a premium, as well as retro-fit situations where they can offer the installer more flexibility in location and design. Delivering space heating and domestic hot water in the smallest space possible, the units still offer optimum performance and an advanced, yet simple to use graphical interface controller.

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

Improved slim line Domus Radial from Polypipe



Polypipe Ventilation is pleased to announce the launch of its next generation of Domus Radial duct systems. Domus Radial was introduced by Polypipe Ventilation as an alternative to traditional branch based ducting systems. The re-engineered Domus Radial incorporates a new innovative 125mm deep manifold which is less than half the depth of the former version. This ultra slim-line size makes it ideal for installation between loft joists or in tight spaces. The smaller manifold size also allows for greater location flexibility, removing the need to place the manifold adjacent to the centralised appliance. As with the previous Domus Radial Duct System, the new system can be used in all domestic properties.



Valor unveils new 'mix n match' range



In a bid to provide reliable and affordable energy efficient heating solutions with increased choice for social housing, a leading supplier of gas and electric fires and suites, **Valor**, has introduced a new 'mix n match' offering on selected models. To provide greater choice when

it comes to specifying electric fires and suites, Valor's best-selling Durham, Medway and Teviot Ecolite suites that currently come complete with the Ecolite electric fire, are now available as mantle sets too, and these may be complemented by any electric fire from Valor's extensive range. To provide even further flexibility, the new mantle sets are also available with a choice of special sized hearth.

Vortice helps development reach targets



Ventilation systems for the fabulous Maryland development of houses and apartments have been supplied by **Vortice**. Its popular HR400M heat recovery systems are used throughout the project. Vortice heat recovery systems have impressive performances, with thermal efficiencies achieving

the low 90 per cent range and with excellent specific fan power ratings. Andrea Fawell, Sales and Marketing Manager at Kebbell Homes said: "We put an enormous amount of effort into researching the best possible products to produce the excellent SAP ratings achieved by our homes and were pleased to incorporate the Vortice HR400M heat recovery systems throughout the development."

01283 492949 www.vortice.ltd.uk

Windhager launches the BioWin 2 boiler



New from **Windhager** is its latest development, BioWIN 2. The BioWin 2 has been designed to be a 'space conscious' appliance and can be installed within an alcove as it requires no servicing clearances either to the left, right or the rear and minimal clearance to the front. All cleaning and servicing is achieved from the front of the BioWin 2 – no other wood pellet boiler achieves these minimum clearances

making it a real innovation and ideal for many different properties. BioWin 2 is available in four outputs from 10 to 26kW, all with a 30 per cent modulation range for maximum efficiency. The boilers come with a host of innovative features, including fully automated cleaning and ash removal, and a patented sliding grate to guarantee maximum combustion efficiencies.

Eurostove



The Christon Inset range of woodburners from Eurostove offer clean lines for a contemporary home environment and are available in 600mm, 700mm or the flatline (letterbox shape) 900mm width – the latter accommodating a 70cm log length. Made from a sturdy steel constructed box, these convection inset models can either be framed on all four sides or on three sides for flush mounting with the floor. Part of the innovative design is additional air ducting so that up to 40 per cent of the

heat can be re-directed to an additional room. No ash-tray is necessary, making cleaning a very simple matter indeed.

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

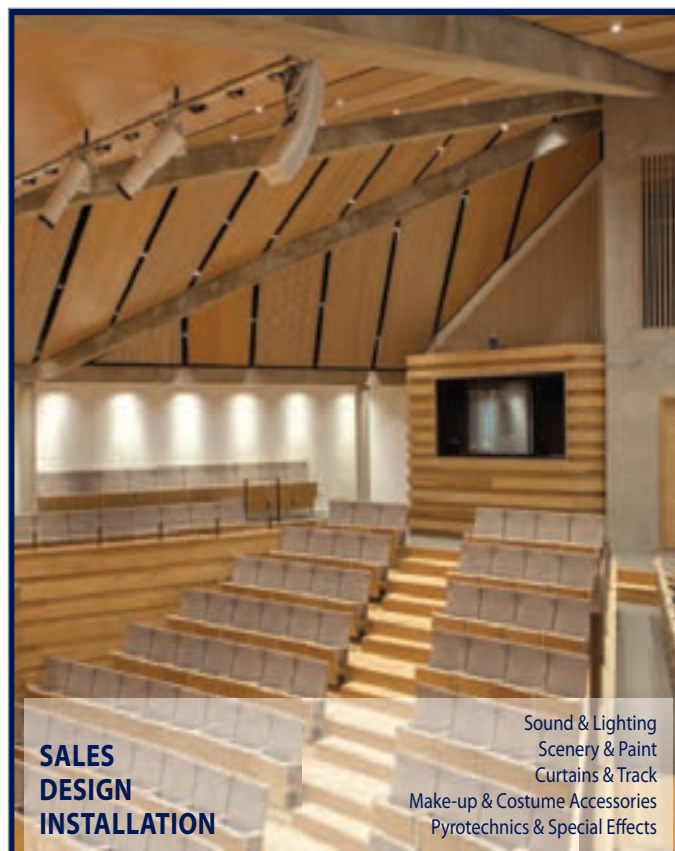
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James Tobias opens London showroom with strengthened sales team and new products

James Tobias Ltd., a UK storagewall manufacturer has opened a new showroom in Central London. Situated at a prestigious location in Farringdon, the impressive new showroom is shared with facilities services company The Atkinson Group of Companies.

James Tobias can now offer its customers a base in which to meet and view first-hand the full range of innovative products. Being in Central London puts James Tobias at the heart of the commercial construction sector, which is now growing strongly once again.

The company is also announcing two new additions to its sales force, Daniel Goodall (South East) and Mick Lamy (Midlands). This represents an increase in the size of the team from five to six, enabling James Tobias to offer improved service to its customers. All sales staff are now based in the regions in which they operate.



The company's investment in both staff and premises comes as a result of continuing growth in the company's core business.

"We are now coming to the market with a strengthened product range, which our customers can easily access via our Central London showroom and their contact will be with a reinvigorated and enlarged sales team," says David McLaren, director. "I am confident that the presence of a showroom, together with our partner The Atkinson Group of Companies, will provide a major benefit for our customers, especially in the London area."

New products include sliding door storage units for commercial storage applications where a modern space-saving approach is required. British-designed and manufactured, the sliding door version is especially suitable for installations where a neat or space-efficient solution is required. The company is also introducing new swipe card locks.

Call the team at James Tobias on **01278 437 300**, email **sales@james-tobias.com** or visit **www.james-tobias.com**

Encasement's big entrance for Mini showroom



Visitors to a new Mini showroom in Hereford can't fail to notice its eye-catching entrance feature, which has been manufactured and supplied by **Encasement** as part of the overall design produced by BK Architecture for The Cotswold Motor Group. With an internal width of 2.6 metres and an overall height of 2.8 metres, the new showroom's entrance is part of Encasement's 'Forma' range of decorative casings and is fabricated using 3mm thick aluminium, which is formed into a 300mm square section and secured to an internal steel support structure. As the main purpose of the structure is to clearly identify the location of the showroom entrance, the casing's exterior is given a bright orange RAL 2008 finish that is also in keeping with the stylish and contemporary Mini brand. Martin Taylor, Encasement's managing director, explained: "We get involved in a wide range of decorative casing projects for the automotive industry, particularly for finishing dealer showrooms and this is a perfect example of how our corrosion resistant aluminium Forma casings can be used to add a touch of style to a showroom exterior." Encasement specialises in the supply of decorative casings, interior wall linings and cladding for the architectural, contracting and construction sectors. Further information on every product in the range can be obtained by contacting Encasement or visiting the website.

Lakes Bathrooms launches new Coastline range



Shower enclosure specialist **Lakes Bathrooms** has launched a new semi frameless range within the Coastline collection. There are seven designs in the new range, all designed to fit standard tray sizes – but at 2,000mm in height, these styles work well with a low-profile tray to create the 'wetroom look'. As with the complete Coastline collection, the look for this new range is confident, sleek, minimalist and contemporary. The focus is on the quality of the materials, with the 8mm glass treated both sides with AllClear® stay-clean coating and the handles being solid, diecast chrome. Named to echo coastlines of the Baltic, the range includes three doors: bi-fold Bergen, pivot door Narva and sliding door Talsi, plus two enclosures: the Malmo corner entry and the Valmiera quadrant. Both enclosures come in offset variants to maximise the choice offered by the new range and all elements are supported by an optional side panel. Retail prices for the 8mm semi frameless range in the Coastline collection start from £397 plus VAT. According to Lakes Bathrooms, the initial reaction to this new range has been very positive, both from consumers and the trade. The enclosures are now shipping on the company's normal 24-48 hour delivery.

01684 853870 **www.lakesbathrooms.co.uk**

Trunking keeps Pace with prestigious project



The impressive refurbishment of the Pace Building within Durham University's Palace Green Library unites wood, exposed steelwork, concrete and glass to provide university students with a beautifully executed modern, hi-tech environment in which to do research and to study. Each of the many desks

within the library have power delivered by Marshall-Tufflex's charcoal-coloured Sterling Profile 1 dado trunking where a perimeter cable management solution was required. The second key requirement of the project was an underfloor power delivery solution suited to the open plan environment of the building. For this Marshall-Tufflex's in-screed floor distribution system was specified.

01424 856610 www.marshall-tufflex.com

Saracen provides new interiors for Servomex



Saracen Interiors has completed a £100,000 office fit out contract for Servomex. The project, carried out at the leading international gas analysis expert's UK headquarters in Crowborough, East Sussex, was undertaken as a fast-track job, with all works completed within four weeks. Working flexibly and with minimum disruption to Servomex's office

staff, the office interiors specialist has presented its client with a creative new break out environment. Works included the refurbishment of the canteen area and the provision of a large moveable wall to divide the office and canteen spaces. Saracen also provided new carpet with logo inserted and cutting edge, modern furniture, chosen to complement Servomex's corporate colours.

Exploring the creativity of Illusion



Solus Ceramics introduce Illusion, a range of exciting diamond shaped tiles that are set to capture the attention of the design world. This innovative series of tiles is a versatile instrument that designers can use to freely create innovative geometric patterns and funky three-dimensional cubic shapes. By playing with shade and colour, walls can be transformed

into visual spectacles and even works of art that will enchant the eye. Tiles are available in one standard size and in a choice of 12 imaginative colours including vibrant blues, enchanting pinks and numerous shades of white and grey.

0121 753 0777 www.solusceramics.com

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

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Make an executive choice with Maxwood



Maxwood's executive range of Oracle Z-Lockers provide a smart and secure solution for a wide variety of commercial and public sector applications, with an extensive choice of colours, configurations and sizes to suit individual requirements.

Offering dependable performance and design flexibility, the locker carcass is manufactured by Maxwood from solid grade laminate. A satin anodised aluminium profile frame is used to ensure strength and rigidity. As well as being ideal for environments such as schools and leisure centres, Maxwood's Oracle Z-Lockers offer a stylish option for the growing number of office washrooms which incorporate showers and changing facilities in line with the government's Cycle to Work scheme.

Saniflo plumbs another possibility

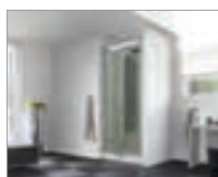


The new Sanifloor from Saniflo is a shower waste with a suction pump and sensor that enables the installation of level access showers and wetrooms in situations where gravity drainage is not an option. In today's modern bathroom of high output rainfall and power showers, the Sanifloor has been

designed to cope with a large deluge of water at any time. The discharge pipework is 32mm wide and the flow rate of the suction pump of 25l/min at 3m is compatible with the latest waterfall and rainshowers. There are three models available.

020 8842 0033 www.saniflo.co.uk

Shower cubicles from Saniflo



Cubicles offer a swift and hassle-free showering solution for any shape or size of bathroom and en suite. In most cases, you can have a watertight enclosure (without using silicone), complete with the shower, controls and doors fitted and ready to enjoy in less than two hours. As with fitting any

shower there are just three main considerations: floor construction; waterproofing, and drainage. The quality and reliability of the products used are essential. The Kinedo range of superior quality shower cubicles has been designed by the team at Saniflo to offer a comprehensive range of complete showering solutions for all applications.

020 8842 0033 www.saniflo.co.uk

Abode launch Trydent



Abode are continuously developing new products and its latest is Trydent, an 18/10 stainless steel kitchen sink in two popular styles – 1.0 and 1.5 bowl sinks with patterned drainers in reversible formats with standard basket strainer waste. Both sinks complement Abode chrome taps and other stainless steel appliances and

kitchenalia. This new family of sinks forms part of a new entry level range of products to join the existing collection.

01226 283434 www.abode.eu



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Premier Loft Ladders are the preferred choice of architects and building industry professionals throughout the UK, and leads the way in design, technology, energy efficiency and quality and is recognised as being the foremost supplier of concertina style aluminium and folding or sliding style wooden loft and access ladders.

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- * Vertical access
- * Flat roof access
- * Electrical operation



Abode



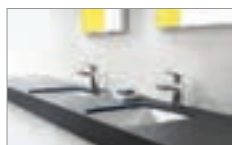
An Abode mixer tap is one of the most architecturally designed kitchen items to sit on or close to a kitchen sink, and combines precision perfect engineering with stunning design.

The creatively inspired dual lever, slender style Abode Sloane kitchen mixer tap provides a classic take on contemporary styling with its curvaceous body and distinctive handle design. For consumers looking for a classic tap that will stand the test of

time and perfectly complement both modern and traditional decors, Sloane is the perfect choice.

Tel: 01226 28 34 34 www.abode.eu

Combining precision with smoothness

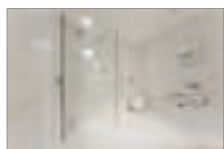


In collaboration with Phoenix Design, **Hansgrohe** has developed mixers whose distinctive shapes combine precision with smoothness. The design of Logis is characterised by taut surfaces, clear lines and rounded contours. The new Logis mixers come in different heights and handle variants,

ensuring that ceramics and mixer match both visually and functionally with options for cloakrooms through to larger family bathrooms. As a result of efficient technologies, Logis has received the top 'Water Efficiency Label' rating of A in the Home category for the domestic sector. All users will be able to find a model that is ideal for their own personal ComfortZone from this comprehensive range.

01372 465655 www.hansgrohe.co.uk

Future proof your homes with a wetroom



CCL Wetrooms provide practical showering solutions with accessibility, features that will become increasingly important as our population continues to age and for those with mobility problems. Including a wetroom drainage system not only

offers buyers a wider choice when it comes to the type of bathroom they would like initially, it also offers adaptability and enables an easy change of use if the mobility of the residents changes over time. Buyers will be looking for a home that will adapt to their needs, therefore incorporating an appropriate wetroom drainage system in both the main bathroom and downstairs WC will enable this to be achieved easily and cost effectively.

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

Maxwood's washrooms specified in London



'Wow factor' washrooms from **Maxwood** are part of the stunning specification of 10 Hammersmith Grove (South Building), one of London's latest commercial developments, built by Wates Construction. The bespoke washrooms, manufactured and installed by Maxwood, feature clean lines and clever use of glass and mirror

panels to reflect the new building's cool, contemporary styling. Installed on each of the eight upper floors, the washrooms feature full height, flush fronted cubicles, vanity units and matching accessories. Maxwood also supplied ground floor shower and changing facilities.



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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www.dolphindispensers.co.uk

washrooms worth experiencing

Total approach simplifies educational toilet specification



The number of pupils and students with special needs has grown by over 60 per cent in the past 25 years, prompting an increase in the need of appropriate toilet facilities in educational buildings. To help specifiers better understand the legal and 'best practice' requirements, disabled toilet provider **Clos-o-Mat** has published a white paper: *Considerations & Specification of Disabled Toilet Facilities in Educational Establishments*. Robin Tuffley, Clos-o-Mat marketing manager said: "Some 60 per cent of statemented children are now in mainstream schools, and almost 6 per cent of the higher and further education student population has a disability. Yet according to research by the Bog Standard campaign for better school toilets, 57 per cent of schools surveyed did not have any disabled toilet facilities!" The white paper covers all the relevant legislation and guidance in one place, and can be downloaded direct from Clos-o-Mat's website www.clos-o-mat.com. Clos-o-Mat, founded 50 years ago, is the only company in its field with the in-house capability and expertise to design, supply, install, commission and service all the equipment for an accessible toilet or hygiene room, from grab rails through hoists and height adjustable basins to automatic ('wash and dry') toilets and toilet lifters.


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

Transport-ing toilets of the future to increase travel for all



Latest research shows transport hubs still need to make significant improvements, especially to their toilets, to enable more people to use the services. But management can enhance their toilet provision more easily, despite new legislation and 'good practice' guidance, with a new online document. **Clos-o-Mat**, a leading UK disabled toileting solutions provider, has published a white paper, *Provision of Accessible Toilets in Public Transport Sites*. In one source, available for download, the guide covers the affects of the new Building Regulations Approved Document M 2013, plus all other appropriate guidelines, to create the most accessible toilet provision at transport hubs. Robin Tuffley, Clos-o-Mat marketing manager said: "The three modes of transport adults with an impairment report to use 'less than would like' are local buses (18 per cent), and long distance trains (18 per cent). Some 25 per cent of disabled people surveyed after the 2012 Olympics said they still had problems using train stations, sometimes enough to put them off completely, in particular being unable to access toilets." The white paper can be downloaded free of charge at www.clos-o-mat.com. The website also has other sector-specific white papers available for free download, plus all relevant CAD drawings.

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

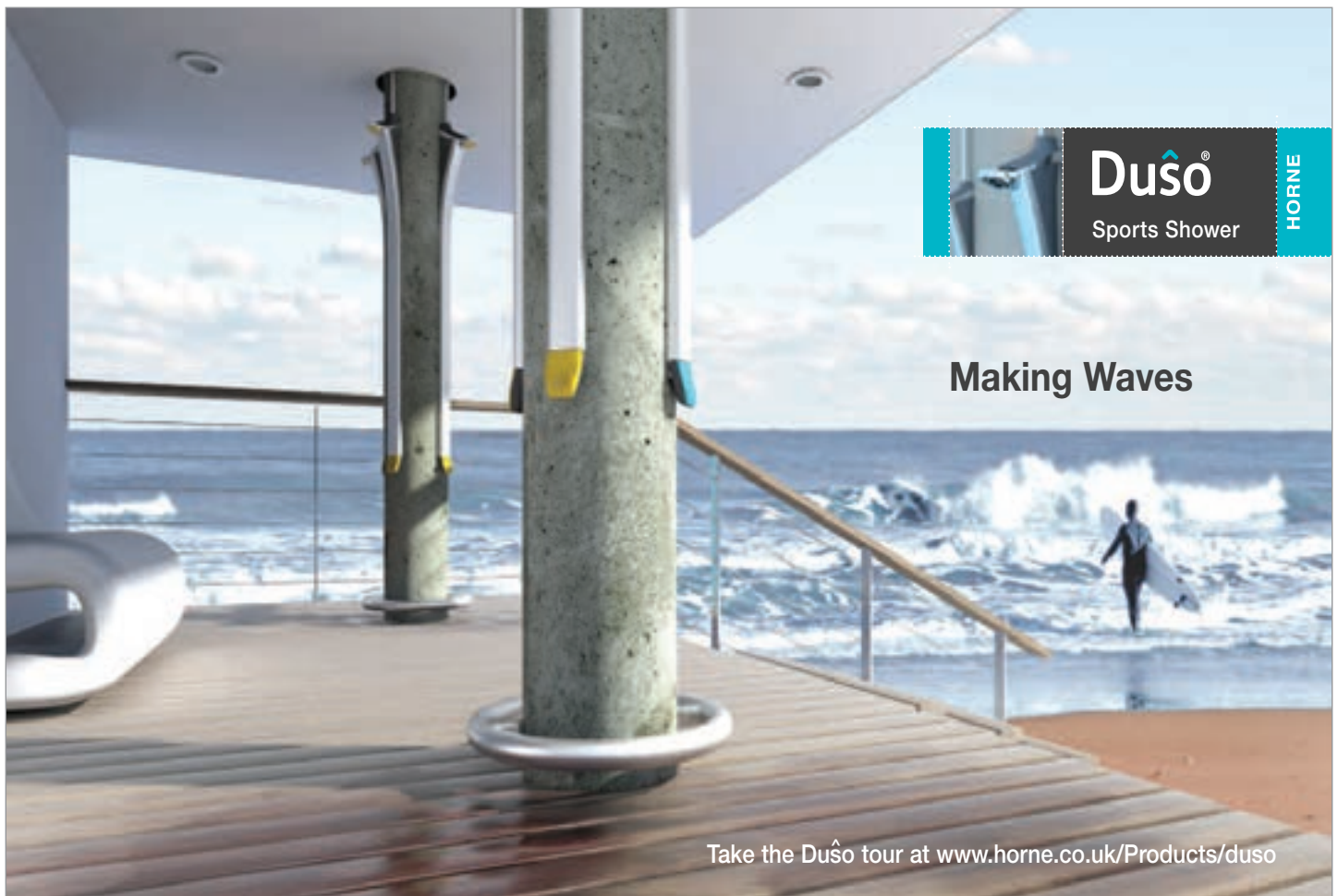


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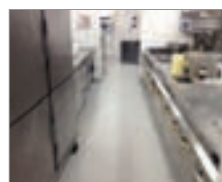


Look out for the stylish new Indus and Lennox shower valves from Hudson Reed, which feature an ultra slim profile combined with thermostatic technology for anti-scald protection. These sophisticated shower valves are available in two contemporary designs – rounded for those who prefer curved brassware or pure square for a truly minimalist feel. Hudson Reed shower valves are manufactured in Britain and are backed by its market leading 20 year guarantee. The valves also incorporate its patented thermostatic cartridge which is limescale resistant, offers accurate flow control and full thermal protection to prevent scalding.

porate its patented thermostatic cartridge which is limescale resistant, offers accurate flow control and full thermal protection to prevent scalding.

Tel: 01282 418000 www.hudsonreed.co.uk

Remmers serve up 5 star flooring at hotel

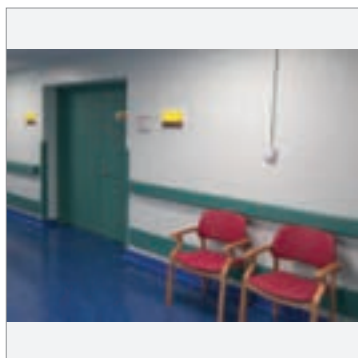


Remmers Floormix DQ system has been installed by Phoenix Specialist Flooring to upgrade the floors and coves to the kitchens of a major hotel chain in the Midlands. The system was laid over the existing quarry tiles using Remmers FAS Primer 100, chosen for its exceptional bond to wet, glazed and difficult surfaces. Due to the nature of the busy

hotel kitchen area, the Floormix DQ system was selected by the Client to meet their requirements for a seamless, hard wearing surface that was easy to clean and maintain as well as providing a good level of slip resistance. The installation was carried out over four days as part of a fast track, full kitchen fit-out project.

0845 373 0103 www.remmers.co.uk

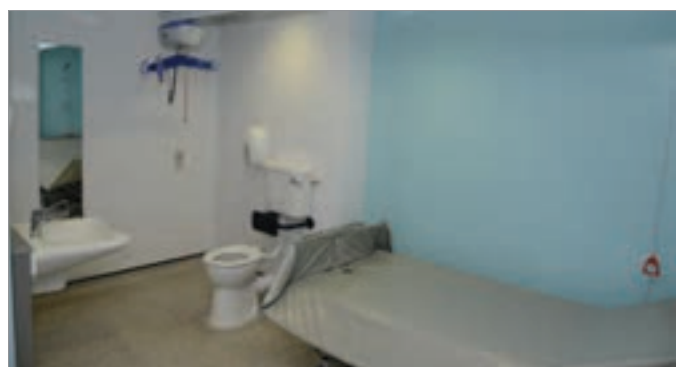
Brightening the interior of healthcare



Envirotect Limited, based in Bedfordshire, has designed, manufactured and installed high specification bespoke lead lined doors specifically suited for use within healthcare environments throughout the UK and overseas. Constantly investing in product development, its skilled staff are both highly motivated and trained to offer consistently top quality products. With an established client base, each order is bespoke in terms of manufactured size, fixtures, fittings and colour. Envirotect door sets are incredibly durable and very easy to wipe clean, which is of particular importance given the settings that the doors are installed.

Doors are available in a range of finishes and colours, allowing hospitals and health centres to brighten the interior and enable certain areas to be zoned, according to the colour of the doors. Envirotect can match existing door finishes and manufacture non-lead doors to ensure consistency within a department. Envirotect lead lined door sets incorporate a lead core that runs through the frame, architraves and door leaves, providing continuity of protection and therefore complete 'peace of mind'.

01525 374 374 www.envirotectltd.co.uk



Changing Places in the healthcare industry

Hospitals are failing to provide proper facilities for thousands of out-patients and visitors, yet that could be transformed simply by installing appropriate toilets. One in 284 people in the UK need a Changing Places toilet, yet of the UK's 2,300 hospitals, only eight have the 'bigger and better' accessible (disabled) facility. To help estates and facilities managers easily understand the need, the requirement and the criteria, **Clos-o-Mat** has published a white paper: *Provision of Changing Places Accessible Toilets in the Healthcare/Hospitals Industry*. Available for download from the company's website, the white paper covers the rationale behind a Changing Places toilet, quantifies the need to provide such a facility in healthcare establishments, and covers legislative and 'good practice' guidelines. Unlike a conventional accessible (Document M type) toilet, a Changing Places toilet is a minimum 12m², and has additional equipment of a height adjustable, adult-sized changing bench, hoist and privacy screen.

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Advertorial

Sika sets new trends in decorative flooring

Sika is helping UK architects and interior designers to achieve greater design freedom with the introduction of its seamless Decorative and Comfort Floor ranges.

The result of 40 years' flooring expertise, Sika's high performance epoxy and polyurethane resin flooring systems push the boundaries in liquid applied vinyl to new levels, offering a sustainable, cost effective and seamless solution with thousands of design possibilities.

From bold single colours to granite, decorative quartz, decorative flake and marble effects, the stylish range lends itself to new build and refurbishment projects across a wide range of commercial sectors including retail, offices, healthcare, leisure, education and food and drink.

The Sika Comfortfloor® range, for example, is ideally suited to commercial and public buildings where personnel stand for long periods of time, or where reduction in footfall noise and horizontal noise transmission is required. This seamless system

is easy to apply and can be built up to serve individual comfort, acoustic, design, colour and cost requirements, with optional finishes, smooth and anti-slip coatings, covings, floor to wall coatings, and incorporation into underfloor heating systems.

Mark Bushell, national sales manager flooring and refurbishment at Sika, said: "The introduction of our seamless flooring ranges signals an exciting new era in commercial flooring design and installation. We've listened to the needs of our customers and have developed an impressive alternative to traditional sheet vinyl, lino, tile and timber flooring solutions. The Decorative and Comfort Floor ranges are simple to apply, and leave nothing to desire from a technical, practical or aesthetic regard. They can even be refreshed to further extend the life cycle".



For more information about Sika's commercial flooring ranges please visit www.sikaflooring.co.uk

Changing Places to optimise youth potential



The £3.9 million Orangebox partnership development, an innovative project designed by and for young people in Calderdale, has taken steps to ensure it is accessible to all, by including a state-of-the-art Changing Places toilet. Larger than a conventional 'disabled toilet', the

Changing Places facility incorporates a height adjustable adult-sized changing bench, height adjustable washbasin, hoist and, at Orangebox, a Clos-o-Mat Palma Vita 'wash and dry' (automatic) toilet, all supplied and installed by Clos-o-Mat. Clos-o-Mat has a proven track record on the supply and installation of fully accessible toilets, including a substantial number of Changing Places facilities.

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

Sustainable flooring from Nora



Over nine years ago, Nora flooring was installed at Evelina Childrens Hospital. Nora's attractive bespoke design themes and intricate symbols flow throughout the hospital, providing wayfinding and, most importantly durable, hygienic and cleanable properties that are inherent within the nora healthcare flooring

system. Nora have recently been in touch with the hospital and been advised of the excellent results that have been achieved using the Nora cleaning pad system which is solution free and uses just water. Amanda Carlin, head of maintenance at the hospital, stated: "Maintaining the floors using the nora pad system is quicker, more hygienic and, even after all these years, the floor looks like new."

01788 513 160 www.nora.com/uk

Redbacks Kneepads



For those who spend any amount of time working on their knees, it is vital to ensure that they have the maximum protection to help avoid the onset of osteoarthritis or even knee replacement.

Redbacks are award winning, non-foam based, work trouser pocketed, safety kneepads which distribute body weight evenly, elevating the knees to relieve back pain and reduce pressure on knee, leg, ankle

and foot joints, while minimising the risk of possible injury from sharp or penetrating objects.

Tel: 01327 702104 www.redbackskneepads.co.uk

Black Sapphire sparkles



Black worktops are by far the most popular with UK customers of global kitchen and bathroom makeover experts, **Granite Transformations**. So the inclusion of Black Sapphire among three brand new worktop materials should go down well with homeowners looking for the distinguished look of a diamond-polished solid black surface, which

goes with most styles of kitchen – rustic or modern – and any choice of cabinet door. Black Sapphire takes the rich, deep, stylish appeal of black and highlights this with fragments of deep blue and mirror fleck. It is also made from 60 per cent post-consumer recycled glass.

0800 044 5393 www.granitetransformations.co.uk

MHA Lighting helps NHS Trusts fight hospital acquired infection

MHA Lighting is helping NHS Trusts fight hospital acquired infection rates with revolutionary sealed luminaires.

MHA Lighting's award-winning TiLite has been designed as a sealed unit to stop dust, bacteria and dead insects from gathering around warm light fittings and spreading deadly superbugs.

The LED's 66,000 hour minimum life span also eradicates the needs for routine maintenance and bulb replacement, which stops harmful bacteria from being distributed into the atmosphere.

Tom Harrison, MHA Lighting's MD, said: "Not only is the NHS saving money on operational costs for routine light maintenance, but LEDs burn 20 per cent of the energy of traditional fluorescents they replace – slashing CO₂ emissions and energy bills by almost 80 per cent.

"The government has set tough targets to



reduce CO₂ and energy efficient lighting is paramount in saving money and reducing a trust's carbon footprint. The money saved can also be ploughed back into frontline patient services."

At North Devon District Hospital, MHA recently replaced traditional 72 watt fluorescents with their 4,000 kelvin TiLite 20 and 30 watt units

in wards, corridors and reception areas.

The high colour rendering of 4,000k is precisely the colour the NHS requires to provide perfect light quality for examining patients and the cleanliness of the facilities.

In rooms for medical attention and in areas where colour inspection takes place a colour of at least 4,000k (neutral) is specified as it depicts skin pallor at its true colour.

Every year, the trust was consuming large amounts of electricity on lighting using up 127,910 KW/H per annum and emitting 70 tonnes of CO₂ in the specified areas.

Tom added: "The installation has saved 94,866 KW/H and with the integration of dimmers energy savings have exceeded 75 per cent. The new lighting has also reduced the hospitals overall carbon emissions by 354 tonnes per annum."

MHA has also developed a bespoke dimming solution to allow lights to be dimmed down to 5 per cent. This allows healthcare providers to create a more pleasant and healing environment where patients and staff are in control of ward lighting levels.

For more information please visit www.mhalighting.co.uk or call 01942 887400



Tarkett LVT installation at fitness centre

A King's Lynn swimming centre that has almost a quarter of a million visits each year has revamped its viewing area with the help of Tarkett flooring. The 100 sq m area of the Norfolk St James' Swimming and Fitness Centre, which includes catering facilities and vending machines, has been installed in Tarkett's iD Inspiration 70 luxury vinyl tiles (LVT). The installation was carried out by Featherby Flooring, also based in the town, and users and staff at the centre are delighted with the finish. Featherby Flooring now plans to use Tarkett LVT in the future and has already lined up a 300sqm residential role for the product in a large executive house. Steve Urwin, Tarkett's UK marketing manager, said it was good to hear such praise for the LVT range. Tarkett's LVT range is environmentally friendly being 100 per cent recyclable, and includes a minimum 48 per cent recycled content. VOC emissions are also below quantifiable levels, contributing to an optimal indoor air quality.

01622 854 040 www.tarkett.co.uk

KIT STONE

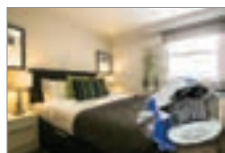
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www.kitstone.co.uk

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Integrated approach for new lighting installation



More than 850 of Scolmore Group's Inceptor LED Downlights are providing a low energy lighting solution in a new £3.5 million Apart-Hotel in Piccadilly, Manchester. Inceptor was specifically chosen above competitor products because it provides a solution to the issues surrounding restrictive

ceiling voids. Inceptor is a high light output, high performance product that can be fitted into a recess depth of just 60mm – making it one of the most flexible fittings currently available. Scolmore has also integrated its popular Flow Connectors into the product, which make it quick and easy to install, as well as to remove and replace for the purpose of circuit testing.

01827 63454 www.scolmore.com

Granite Transformations' accessibility bathroom

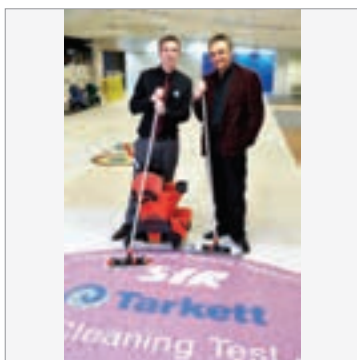


Ray and Joan Dabnor are both in their eighties and live in their own three-bedroom house. Joan has severe mobility problems, so the couple recently decided to upgrade their main bathroom for enhanced accessibility, on the advice of the hospital. The work was carried out by kitchen

and bathroom makeover specialists, **Granite Transformations**, and features stylish accessibility products from innovative system provider HEWI. The relatively compact 1850mm x 1670mm bathroom is lined throughout with Granite Transformations' scratch, heat, impact, chemical and water resistant quartz wall coverings and floor tiles, for an elegant off-white, wipe clean finish.

0800 044 5393 www.granitetransformations.co.uk

Tarkett flooring put to the toughest test



Tarkett's products are going under the spotlight in a new national showcase for innovative cleaning. The company has teamed up with cleaning experts Scot Young Research (SYR) Resilient to provide all the flooring for a new test centre being built at Lye in the West Midlands. The centre will be open to the trade by the end of April, offering demonstration facilities for technologically-advanced cleaning machinery and advanced products. SYR Resilient manager Steve Parry said: "We've had a partnership with Tarkett for many years – I've a background in flooring myself and believe there's no other company like them in the business." Tarkett's range of floor, wall and installation solutions, including Granit Safe, T, Eclipse Premium, Safetred, iQ Optima and ProtectWALL, are being installed at the centre. Salespeople will be able to take customers to view the flooring being put to the toughest tests by SYR's state-of-the-art machinery and cleaning solutions. Steve Urwin, Tarkett's UK marketing manager said the company was delighted to be taking part in the new venture: "Tarkett produces exceptionally hard-wearing yet attractive design led flooring. This means it has numerous applications, such as in hospitals and schools where extensive cleaning is crucial."

01622 854040 www.tarkett.co.uk



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C-TEC's ZFP scores for The Stags



One Call Stadium, the home of up-and-coming Second Division football team, Mansfield Town, is the latest venue to be safeguarded by C-TEC's revolutionary new ZFP touch-screen controlled addressable fire panel. With its user-friendly touch-screen

controls, powerful networking capability and flexible cause and effects, the ZFP was the natural choice to replace the old panel at the 10,000-seater stadium where The Stags famously gave Liverpool a run for their money in an FA Cup tie last year. One 4-loop panel and a repeater panel link in to the existing system of Apollo detectors and sounders to provide the highest levels of fire protection. C-TEC's ZFP panel can be configured to suit any application.

FDS Consult meets the grade at academy



FDS Consult, one of the UK's leading experts in fire engineering, has lent its expertise to the construction of a new academy in West Sussex. FDS Consult was tasked with creating a bespoke fire engineering solution for a 5,600m² floor area, which is well above the maximum 2,000m² compartment size detailed under the Building Bulletin 100 (BB100): design for fire safety in schools. The FDS Consult team recommended a combination of systems including a sprinkler system, which are common

in schools with areas spanning more than 800m², together with a natural smoke ventilation system – a component not usually required in a school environment.

01322 387411 www.fdsconsult.com

FDS' expertise secures Southbank appointment



The expertise of award-winning fire safety system design and installation contractors **Fire Design Solutions (FDS)** has seen it appointed to one of London's most exciting new residential developments. The contract will see FDS work with property developer St James, part of the Berkeley Group on the exclusive Riverlight development on London's South Bank. The FDS team is tasked

with the design and installation of residential sprinkler, mechanical smoke venting and fire alarm systems for three of the development's blocks, which will stand between 12 and 20 storeys high. Once complete, the buildings will house apartments, penthouses, a gym and swimming pool and car parking facilities.

01322 387411 www.firedesignsolutions.com

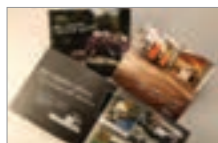
Denso protects water supply aqueduct



A £2.6 million upgrade of sections of the 45 km-long Talla aqueduct used by Scottish Water to supply most of Edinburgh's water has been completed by contractor George Leslie Ltd, with Jacobs being the Consulting Engineers. Built in Victorian

Times, the aqueduct takes raw water from the Talla and Fruid reservoirs in the Scottish Borders to Edinburgh's modern Glencorse water treatment works. In 12 different structures and locations, **Winn & Coales Steelcoat 100/400** was used to give protection to some 350 linear metres of pipe and various joints and couplings. This follows its successful use last year by George Leslie in a similar refurbishment of Scottish Water's Loch Katrine aqueducts which serve Glasgow.

Clear the decks for new brochure



Arbordeck, the complete decking systems manufacturer and the only UK distributor of the innovative US Trex Transcend and Contours composite systems, has launched a comprehensive new brochure for 2014, combining practical

advice and inspirational ideas. Showcasing Arbordeck's extensive range of DeckMark™ approved timber decking products and accessories, including its extended range of enhanced grip deck boards which provide improved safety even when wet, the new brochure is packed with imagery illustrating Arbordeck products in various situations. The brochure also features information about Arbordeck's new Pinterest pages and its easy-to-follow 'How To' videos.

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.

029 2037 1584 www.porcelainpaving.co.uk

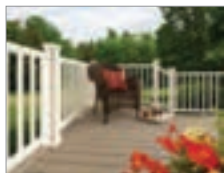
GATEMASTER gate closers



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

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

Grundfos

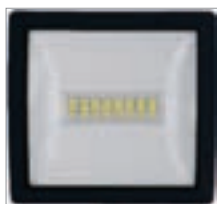


The SOLOLIFT2 range of macerators from Grundfos are a cut above the rest in terms of delivering leading edge technology. Not only does the family comprise of just five models but, through the flexibility of their design, their adaptability and performance, they provide the solution to handling wastewater for any combination of WC, bidet, sink, bath, shower and washing machine. Additionally, the modular design of the new Grundfos SOLOLIFT2 means that servicing can

normally be achieved in situ without the need to drain down the system. The range is also suitable for replacing any existing macerator unit.

Tel: 01525 850000 www.grundfos.co.uk/sololift2

Timeguard floods the LED market



Timeguard has introduced a range of wide-beam floodlight designs that produce even diffused light. This overcomes market resistance to LEDs for floodlighting, because Timeguard has eliminated the focused beam that is the signature of other LED floodlights. These new lights join the NIGHTeye range which, as well as quality,

unashamedly trades on its good looks. Available in 10W, 20W and 30W versions, the new NIGHTeye Ultra range is equivalent in use to 135W, 180W and 250W halogen lamps and is offered with or without integrated PIR detectors for automatic switching.

020 8450 8944 www.timeguard.com

What if a Green Exhibition really was green?



Global carpet tile manufacturer Interface has encouraged visitors to the Construction21EXPO to view the latest sustainable innovations and possibilities, while experiencing the greenest building exhibition ever. The event, sponsored by Interface and the first virtual tradeshow for sustainable construction for Europe, eliminated the need for travel and materials used to construct exhibition stands, therefore making it a truly sustainable event. Ramon Arratia, sustainability director at Interface, said: "Interface continues to push boundaries when it comes to reducing the environmental impact of its processes, and as such, we are really pleased to have the chance to support a virtual exhibition."

01274 690690 www.interfaceflor.co.uk

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Good landscaping can add value

Brett Landscaping is advising housebuilders to devote attention to the exterior landscaping of new build developments in order to enhance the saleability of 'turnkey' projects. According to Andrew Gill, marketing manager at Brett Landscaping, dramatic changes to the housing market since the major downturn in 2008 has made selling properties far more demanding over the past few years. Even today, now that the market is starting to show signs of a sustained recovery, it is still essential to present a new property to best effect starting from when the prospective customer first approaches the property. At the same time, today's busy lifestyles have also increased the desire for 'turnkey' properties that owners can move into and enjoy immediately. "No longer can developers rely on selling a property by simply adding an asphalt driveway to the front and a lawn to the rear of a new property by way of landscaping," he explains. "Nowadays, homebuyers expect external spaces to be designed and installed with the same care and attention to detail as interior spaces."

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