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Design Museum announces the sale of Shad Thames site to Zaha Hadid

The Design Museum has announced the sale of its current home at Shad Thames to Zaha Hadid Architects.

The sale is the next step in the Design Museum's journey to relocate to the former Commonwealth Institute building in Kensington High Street, west London, which is planned to open in late 2015. The Design Museum's lease at Shad Thames belongs to the Conran Foundation who also paid for the museum's original design and construction. The Conran Foundation will gift the proceeds from the sale towards the construction of the new museum.

The Design Museum has occupied the current building since 1989 and will continue its extensive programme of exhibitions until the new museum opens. Under the

terms of the sale agreement the Design Museum will continue to operate at Shad Thames until 2015.

The move will give the Design Museum three times more space to show a wide range of exhibitions and showcase its collection.

Deyan Sudjic, director of the Design Museum, comments: "Whilst we are sad to be leaving Shad Thames, we are leaving the building in the best possible hands. The sale is a significant moment in the museum's relocation plans and a substantial contribution towards our new home."

Zaha Hadid adds: "This important acquisition of the Shad Thames site will preserve its significance and we look forward to the future use and occupation of the building."



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EVENT

BRE's INSITE13 event focuses on people

BRE's INSITE13 conference, which takes place on the 2-3 October at its head office site in Watford, will examine how we make buildings meet the needs of people and communities.

Everything that the industry does should be about creating sustainable places for people to live, work, learn and thrive in, whether it's building low-carbon homes, carrying out energy-efficiency refurbishments, or creating safe, healthy and sustainable urban spaces. But are we succeeding?

- How do we enable behavioural change to close the performance gap?
- How can community engagement be improved?
- How do we make existing buildings warm, healthy and safe?
- How can technologies help to make buildings more adaptable and efficient?

These questions and others will be discussed by experts from BRE and across the industry at the conference, which focuses on four themes around human factors; community; the impact of buildings on health and wellbeing; and the role of technology to improve buildings.

In addition, three exhibition areas will feature new and emerging technologies; products from RedBookLive and GreenBookLive; and solutions for sustainable retrofit. There will also be a chance to take a tour of BRE's Innovation Park, including the BRE Victorian Terrace and the newly refurbished British Gas Smart Home.

INSITE13 is aimed at architects and specifiers; property managers and owners; local authorities and housing associations; and anyone interested in improving buildings for occupants.

Go to www.INSITE13.com for more.

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EXHIBITION

'We made 2012'... but has 2012 made us?

The Building Centre's summer exhibition, 'We Made 2012', opens on July 9. It takes a look at the venues, landscape and legacy of the London 2012 Games one year on, with a focus on those who made it happen. According to UKTI the Games will deliver £11 billion economic benefit for the UK, and with regenerated parkland and venues to open soon, the story of the London 2012 Games has only just begun.

The London 2012 Games were a tremendous success and a welcome boost to national pride. Millions flocked to London to watch the Games and billions tuned in worldwide. The venues and infrastructure were delivered on time and under budget under the leadership of the Olympic Delivery Authority, and to an exceptional standard - largely thanks to the UK construction industry.

On 27 January the British Olympic Association launched the 'Suppliers Recognition Scheme'. Architects, engineers, manufacturers, suppliers and contractors can now apply for a free licence, which, once issued, allows them to talk more openly about their contribution to this historic event.

We Made 2012 takes a look at the Games one year on, it remembers the challenges and accomplishments of staging a monumental event in our capital, and importantly, looks towards its legacy for Britain. The Games acted as a catalyst of urban regeneration for much of East London. They were the



© Agnese Sanvito

greenest and most accessible Games to date. Queen Elizabeth Olympic Park will open on 27 July, exactly one year on from the Opening Ceremony. The site, once largely derelict or industrial land, has been transformed into parkland, waterways and cultural space, with numerous landmark venues available for the use of London and the rest of the UK.

There are many lessons to be learnt from last year, 'We Made 2012' gives viewers a chance to understand the complexities of the Games through film, photography, architectural models and sketches. Components and materials will also be available to view close up, such as

part of the Velodrome's distinctive cable-net roof. We Made 2012 credits a wide cross section of the industry that are deservedly proud of their contribution.

Andrew Scoones, director of The Building Centre said " 'We Made 2012' is the first exhibition of its kind, offering recognition to all; from the architects who were widely known to have designed venues, to the unsung heroes who ensured the venues, facilities and landscapes were a testament to British design and construction. We hope it increases understanding of design, innovation and construction, as well as ignite personal memories of an outstanding event."

news bytes

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Wales Coast Path wins UK's premier planning award...
Ref: 30326

Lee Hallman joins Foster + Partners to head up Interiors Group...
Ref: 52986

Building management systems now have the capability to learn...
Ref: 10949

Złota 44, due to be opened in less six months, will become Europe's second tallest building...
Ref: 10521

Construction has begun on a library designed by OMA in Caen, northern France...
Ref: 64120

Architect launches in London

One of the most rapidly expanding architectural practices, **rg+p**, has officially launched its London office at a reception ahead of the Venture Cup 'Prologue', the precursor to the world famous, offshore powerboat race.

rg+p London opened its Shoreditch office as part of a major investment and expansion of the rg+p group, which has its head office in Leicester. The company currently employs four staff in London and 30 in Leicester.

Bill Smedley, managing director of rg+p London said:

"With a number of existing clients and projects in London and a healthy pipeline of work in the area, it was the perfect opportunity to launch the London office. We have taken on three new staff already and we hope we'll continue to grow over the next few years."

Tom Hart, director of rg+p London added: "The London office presents an exciting challenge for the team but it's one we embrace so we can continue to do what we do best; design and deliver fantastic buildings."

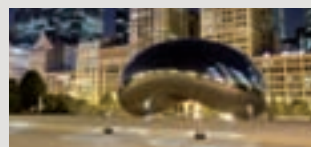
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COMMENT

Planning rules relaxed for home extensions

Businesses can also benefit from new regulations, advises law firm **Furley Page**. The relaxation of regulations to allow people to build bigger extensions without planning permission has come into force, with the aim of boosting Britain's economy. It is also good news for business, as shops and industrial units are also allowed to expand their premises within certain limits.

The generous new allowance is potentially only going to be available for a limited period of time and this may result in a rush to build new home extensions before the original rules are reinstated, says residential conveyancing specialist Ben Mowll.

"The Prime Minister said the change in the law is a way of 'getting the planners off our backs' and boosting the construction industry," says Ben, a partner with Kent law firm Furley Page.

"Now that the Town & Country Planning (General Permitted Development) (Amendment) (England) Order 2013 is in force it increases permitted development rights for extensions to homes and business premises and the re-using of existing buildings.

"The permitted depth of a single storey rear extension will increase from four metres to eight metres for detached houses. For other houses, such as semi-detached and bungalows, this will mean an increase from three to six metres. Limitations will apply to reduce the impact on neighbouring properties. These changes will be in force for a three-year period.

"However, if you live in a protected area [...] then all of these changes do not apply. You will, of course, need building regulation consent," adds Ben.



AWARD

Student wins prize at Royal Academy Summer Exhibition

An Architecture student from the **University for the Creative Arts (UCA)** at Canterbury has won a prize at the prestigious Royal Academy Summer Exhibition.

Nichelle Channer, who graduated from BA (Hons) Architecture in June, received the Sheppard Robson Student Exhibitor Award for her conceptual clay model, which examines rising sea levels in Kent.

Nichelle, 20, from Lewisham, said: "I felt honoured enough just having my work exhibited at the Royal Academy Summer Show, as it's one of the largest open-submission exhibitions in the world, so winning this award is a very unexpected but brilliant surprise.

"This award means a lot to me because it's been judged by people outside of education and it's really nice to have your work appreciated and recognised by those in the industry.

"Just being in the Summer Exhibition is a good way to network so I hope to use this award as platform to pursue a career in Architecture."

Her award-winning model combines the future and current state of the rising sea levels at Sandwich in Kent. The conceptual device, which was made using clay and used objects within the grounds at UCA, considers the future and current levels of the River Stour and pinpoints the areas of Sandwich that might be soon be underwater.

Nichelle was invited to speak about

her winning design at a special event at the Royal Academy on 28 June 2013.

Kristina Kotov, BA (Hons) Architecture lecturer, said: "I am very proud of Nichelle for being selected for the Summer Show and winning the student exhibitor prize.

"I think it's fantastic that she took the opportunity to submit work to the Royal Academy and happy for Nichelle to receive this level of recognition and acclaim at such a prestigious showcase."

Recent Architecture graduate Adam Hiles and UCA Farnham Crafts graduate, Mary-Jane Evans, are both showing at the Summer Show for the second time this year.

Professor Magdalene Odundo said: "It is not often that ceramics gets on to the Royal Academy Summer bill so it is a fantastic achievement by Mary-Jane to be successful at the Show for two successive years."

The Royal Academy Summer Exhibition runs until 18 August 2013.



news bytes

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JW3: London's new centre for Jewish Life to open in September...
Ref: 49734

Battersea Power Station breaks ground and Riverlight by St James tops out...
Ref: 78425

NOVA Shoe by Zaha Hadid for United Nude...
Ref: 64260



COMMENT

'Architects and wayfinding designers should work together to avoid littering a space with signs – it ruins the space and doesn't help the wayfinding'

David Watts



Wayfinding from the start – not signage at the end

By David Watts CCD Design and Ergonomics

Wayfinding is more than signage. It is the strategy to help people navigate in, through and out of a space or building – signage is only one part of the solution. The earlier wayfinding is considered as part of the master-planning for a site, the better the solution will be.

The process should look at how people will use a space, including researching the range of users, the differing needs they have, the variety of experience they bring, the different cultures they come from, etc. User models can then be created to help test the emerging design.

Masterplanning is also the ideal time to look at the broader user experience for a space of which wayfinding. It should also integrate with other elements of the operation of a space. For example, in a sports arena, the wayfinding should be considered alongside the ticketing strategy, retail offerings, the local transport plan, and parking plans. Remember how successful the 2012 Olympics spectator experience was? This is also true in sites such as stations and airports and is the approach being taken at the new London Bridge station redevelopment.

The wayfinding and architectural masterplans should complement each other. This is a great time to include the overall

wayfinding strategy into the masterplan to ensure consistency between buildings and spaces. It is the right time to establish some ground rules that can be applied in the individual buildings within a site.

Architects generally want the building and its use to stand on its own. The introduction of signage and other solutions can be seen as a negative and in some environments, like heritage locations, can be problematic. However the reality is that people can rarely navigate complex environments by intuition alone. Architects and wayfinding designers should work together to avoid littering a space with signs – it ruins the space and doesn't help the wayfinding.

The benefits of this approach are:

- Right first time - retro-fitting of is often a messy solution that ruins the architecture and provides poor wayfinding
- Cost saving - early consideration should result in fewer signs
- An integrated solution with ground rules for individual buildings within a development.

An early, holistic view of wayfinding delivers better wayfinding which is part of the architecture, rather than an unsatisfactory add on.

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Brookgate's One Station Square in Cambridge wins planning consent

Brookgate has been granted planning consent for its £80 million One Station Square office development in Cambridge. The scheme, designed by architecture practice **Pringle Brandon Perkins+ Will**, will deliver the largest Grade A office space in the city centre.

One Station Square is a part of CB1, the new city quarter in Cambridge, and directly opposite Cambridge Station. The six-storey building provides 129,000 sq ft of offices in large, open floorplates, with generous reception zones and top floor terraces. The entire breadth of the ground floor facing the square is retail space, with 12,000 sq ft of food, beverage and convenience shopping.

The scheme is in a prominent position, located in the Cambridge Central Conservation Area and is the first building seen by visitors emerging from



the station. The architecture therefore responds to the historic context of Station Square and the broader architectural influences of Cambridge's built environment, giving a modern interpretation of the classic tripartite arrangement to create a high quality

contemporary building that frames the western edge of Station Square.

One Station Square will contribute to funding the public realm improvements to the station square, and the creation of an improved transport interchange.

£8 billion pound redevelopment of Earls Court approved by Mayor of London

The Mayor of London has given his consent to the redevelopment of Earls Court and the surrounding area, paving the way for a £8 billion investment enabling the creation of thousands of new homes and jobs.

In a giant step forward for the scheme, Boris Johnson has confirmed he is happy for the council to approve the outline planning application from developer EC Properties LP, a wholly owned subsidiary of Capital & Counties Properties PLC, together with a Section 106 package that includes £490 million of community improvements.

The redevelopment of Earls Court and the surrounding area is based on a masterplan by world renowned architect Sir Terry Farrell. It will create up to 9,500 new permanent jobs, with an additional 36,000 construction jobs during the build phase. It will also include 7,583 new homes, new shops, offices, leisure facilities, public open space, a new school, new transport links, healthcare centre and community centre on the 77 acre site.

The Mayor of London, Boris Johnson, said: "I'm in no doubt that the development proposed for Earls Court and West Kensington will provide a massive boost not just to this part of the capital, but to London's wider economy as well. It is a landmark project that will deliver much needed jobs, new homes and improved infrastructure and will make this strategically important part of the capital an even better to place to live, work and visit."

Hammersmith & Fulham Council



HLM shortlisted for the National Eisteddfod of Wales' Gold Medal for Architecture

Cardiff-based HLM, the architect for Ysbyty Cwm Cynon Hospital in Cynon Valley, South Wales, has been shortlisted for the National Eisteddfod of Wales' Gold Medal for Architecture. The Gold Medal is awarded to architects responsible for buildings completed between 2010 and 2013 and recommended to the Eisteddfod as being of greatest merit. HLM won the medal in 2012.

Jonathan Jones, associate director at HLM, said: "It is fantastic to be shortlisted for the second year [...] following

our win last year with Archbishop McGrath Catholic High School.

"Cynon Valley Hospital ensures that the best care can be delivered to the residents of Rhondda Cynon Taf, to the highest modern standards. The hospital has enhanced the standard of living for the people of South Wales by sparking regeneration, making this a truly transformational project."

The winner of the Gold Medal for Architecture will be announced at the National Eisteddfod of Wales, held at Denbigh on August 3.



The hospital's layout is flexible wherever possible to accommodate change as the model of care evolves. Its design uses spatial quality, colour, comfort levels, materials and public artwork to create a "non-institutional" feel and enhance the psychological well-being of patients and staff

news bytes

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Ref: 76992

Strides student bedroom total tops 16,000...
Ref: 50642

The Stage Shoreditch granted planning consent...
Ref: 76417

netMAGevents support CRASH



This Christmas, netMAGevents will be supporting CRASH at their Best of British Christmas Party at the London Marriott Hotel, Grosvenor Square, and inviting guests to do the same.

CRASH is the construction and property industry's charity for homeless people. They are a practical charity that focuses on improving the buildings used by homeless people. They do this in three ways:

- Providing pro-bono professional expertise
- Supplying free building materials
- Awarding cash grants

CRASH is unique. As an industry charity they encourage companies to get directly involved in helping homelessness projects that ask them for assistance. Thanks to these companies, in the last year CRASH has helped over 60 projects.

The result of this generosity and practical sharing of materials and skills means that much needed renovation and development can be carried out to a far higher standard than would otherwise be possible, providing a safe and welcoming refuge for people in need. Go to www.crash.org.uk to find out more.

Formal consultation commences on the world's first purpose built tidal lagoon

The formal consultation process has started on the world's first purpose built tidal lagoon for Swansea Bay.

The proposed tidal lagoon will have a rated capacity of 240 Megawatts, generating 400GWh net annual output, enough electricity for approximately 121,000 homes. In addition, the £650 million development will also provide visitor facilities and other amenities including art, education, mariculture and sporting/recreational facilities. The seawall is expected to be open to the public during daylight hours though access will be controlled.

LDA Design, the project masterplanners and landscape architects for Swansea Bay Tidal Lagoon, has completed the coordination of exhibition material for the public exhibitions. As part of the formal consultation a new, virtual 3D programme has been developed by iCreate in collaboration with LDA Design and Atkins, and shows the proposed lagoon in the context of Swansea Bay. The interactive fly-through takes viewers on a journey of discovery, bringing the proposed lagoon to life. It is available to view or download at www.tidallagoonswanseabay.com

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COMMENT

Have the new planning reforms boosted residential conversions?

After the relaxation of planning rules on office to residential conversions, did June 2013 see developers rush to their local authorities with new plans for new homes?

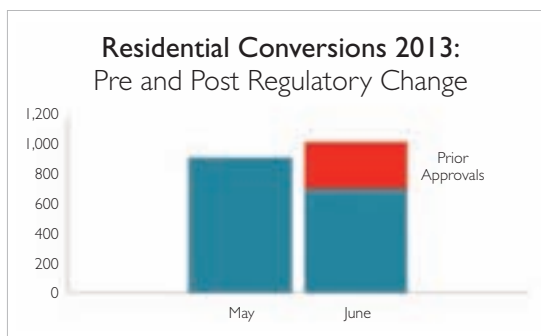
Developers now have a three year window until the end of May 2016 to benefit from simplified planning rules should they wish to convert a commercial property for a residential use. Rather than the more costly planning application route, applicants are offered a simpler and cheaper prior notification process. Government ministers hope that this will help fulfil promises to both simplify the UK planning process while at the same time – and in a relatively painless way – boost housing supply.

Allowing parts of city centres to refurbish vacant or failing commercial properties also seemed to be one measure to help reverse the decline of town centres as widely reported in the Portas Review. Helping the high street and helping the housing shortage? What's not to like?

Opponents of the change are concerned about negative impacts on commercial office space while simultaneously see the potential for a rash of inadequate homes in unsuitable areas. The degree of vocal opposition was however relatively small – at least compared to parallel change permitting larger house extensions. Many argued that this relaxation of planning rules would have little practical impact in any event. Full planning permission would still be required for most (particularly external) work required as part of any conversion – so the numbers taking advantage would be small. And if that safety backup wasn't sufficient, then councils could fall back on a range of other arguments and methods that would preserve both their local authority and the status quo.

Seventeen* local authorities were more vocal and argued successfully for an exemption from the regulations before they came into force. Many more authorities reportedly applied but were refused. So in the face of what could be described as lukewarm support and lukewarm opposition, has the change prompted a much hotter initial response from developers?

Planning Pipe examined new plans submitted across the whole of the UK for residential conversions in 2013. Planned



Graph 2

residential conversion projects as a whole tend to be dominated by conversions to a single unit, see Graph 1.

Looking specifically at May and June the regulations do appear to have made an impact – at least at first glance. New applications in June were up over 10 per cent on the previous month. The number of residential conversions across the UK – at over 1,000 – is the highest monthly total of the year to date. Significantly, around a third of all residential conversion applications in June were submitted under the new prior approval regime. See Graph 2.

In addition, looking at the 300 prior approval applications in June there would appear to be more than three times the number of larger 10+ unit conversion schemes submitted under the new regime – than might be expected. However, with only 30+ larger conversions across the whole of the UK, extreme care should be taken before drawing conclusions at this early stage. While developers are clearly taking advantage of the new cheaper planning framework, it is far from clear whether the new regime is positively driving more new conversions or even more larger conversion projects – at least as yet.

Looking at the pattern of applications for the year, a double digit month on month increase is, in fact, far from unusual. The same level of increase was seen between January and February as well as April to May.

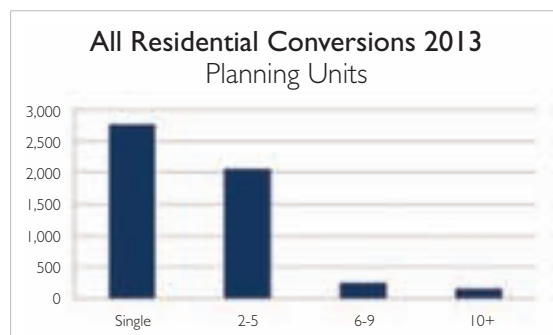
If the new regulations have indeed driven more residential conversions then in theory there should be a smaller month on month increase across the 17* local authorities that are exempt from the new regulations. The figures actually show that these local authorities also saw a double digit increase in residential conversions between May and June.

Notwithstanding the caveats of early days and small numbers, there would appear to be no clear picture emerging as yet. Critical to any measured assessment of the impact of the reform will be both the medium and longer term approval rates of local authorities – and ultimately, translation of new plans into new construction activity.

Paul Graham, MD of cost-effective, bespoke project lead provider Planning Pipe (www.planningpipe.co.uk)

'It is far from clear whether the new regime is positively driving more new conversions or even more larger conversion projects – at least as yet'

Paul Graham



Graph 1

*The seventeen local authorities so far exempt from this planning reform are Ashford, Camden, City of London, East Hampshire, Hackney, Islington, Kensington and Chelsea, Lambeth, Manchester, Newham, Sevenoaks, Southwark, Stevenage, Tower Hamlets, Vale of the White Horse, Wandsworth and Westminster. Brighton and Hove Council is proposing to overturn the impact of the reform in its borough.

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news bytes

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Ref: 46829

Farrell & Clark win Best Sustainable Project in LABC Regional Building Excellence Awards...
Ref: 61719

London Square buys £20 million office site for conversion to homes...
Ref: 15951

Winners of the 2013 RIBA Wren Insurance Association Scholarships announced...
Ref: 79470

Hilson Moran appointed to Royal Albert Docks masterplan

Hilson Moran has been appointed as the MEP and energy consultant on the Royal Albert Docks masterplan, situated in the heart of the Royal Docks Enterprise Zone, east of the City of London.

Owned by the Greater London Authority and developed by Advanced Business Parks (ABP), a successful Chinese commercial developer, the 35-acre site is set to be transformed into a mixed use scheme comprising office, leisure, retail and ancillary residential buildings, with a gross external area of 3 million sq ft.

John Deasy, commercial director at Hilson Moran, said: "With the commitment to a significant first phase, Royal Albert Docks will not only attract investment into the country, but it will also create benefits for local people, providing thousands of new jobs. Our role working with the design team will help us realise this important masterplan."

Working with UK developer

Stanhope and architects and masterplanners Farrells, ABP have a commitment to developing a minimum of 600,000 sq ft in the first phase, with strong interest for office space already being shown by Chinese companies.

When complete, Royal Albert Docks will have some of the best transport links in the capital, with direct access to central and western London via the new Crossrail station coming in 2018. It also benefits from close proximity to the

University of East London and City Airport, providing direct links to Europe's key business destinations.

Project team Developer: Advanced Business Parks (ABP); Development manager: Stanhope; Masterplanning architect: Farrells; MEP & energy consultant: Hilson Moran; Structural engineers: AKT II; Quantity surveyor: WT Partnership; Planning consultant: CBRE; Lawyer: Pinsent Mason



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GARAGES | GARDEN ROOMS | ORANGERIES | HOME OFFICES | CONSERVATORIES | BARNs | STABLES



The best in low carbon construction and innovation

Timber Expo will be taking place at the National Exhibition Centre (NEC) Birmingham this September. Now in its third year, over 5,000 visitors are expected at the UK's leading timber trade show including architects and designers, engineers and contractors, local authorities and a wide range of those working in the built environment.

It will be two days brimming with the latest products, innovations and developments across the timber sector – not just from the UK but from an increasingly diverse international market. It will also be the official launch venue of the rebranded UKTEFA as the Structural Timber Association.

With only three months to go before the doors open, here are some essential highlights not to miss at the UK's truly national timber show.

Exhibition floor & international content

A huge range of 170 companies from all four corners of the timber industry will be unveiling their latest products and services plus giving advice on how best to use the construction industry's leading mainstream low carbon building material. Overseas exhibitors and representatives already include: Austria, Belgium, Bolivia, Canada, Finland, France, Germany, Ghana, Italy, Latvia, Malaysia, Netherlands, Poland, Russia, Spain, Sweden and the USA.

Timber Talks

A key element to the show and a central part of the Expo experience. Timber Talks will deliver an unrivalled collection of high calibre speakers from all four corners of the built environment across both days including: Mace, Willmott Dixon, Land Securities, Architype and Waugh Thistleton. From niche areas to

leading trends, the Timber Talks will be characterised by key industry topics, major names, super projects and big issues – and they are all FREE!

Seminar Theatre 1 – the Fabric First Theatre

Built by leading timber frame specialists Frame Wise, the Fabric First theatre will extoll the virtues of building with an airtight building envelope in mind and its superior thermal properties – making it ideal as the basis of a modern energy efficient building.

Seminar Theatre 2 – the Solid Wood Theatre

Built by B & K Structures, this eye-catching building will showcase the strengths of timber and advanced closed panel timber technology and show why solid wood use is beginning to soar in the UK.

Toolbox Talks

New for 2013, a new section of CPD presentations will focus on the detail of processes, technologies and solutions on display at the show. From manufacturing process to onsite engineering solutions, Toolbox Talks will complement the Timber Talks and will be held in a purpose built 30 seat presentation theatre.

Timber Accord Pavilion

Sponsored by Timbmet and building upon the Timber Accord agreement signed in 2012. The Pavilion will be situated at the heart of Timber Expo on the main exhibition floor, this will be a unique opportunity to touch base with twelve leading trade bodies representing the supply chain of the forestry and timber industries, in the same place at the same time.



Wood Awards shortlist 2013

The Wood Awards is the UK's premier award in the timber sector and will once again recognise outstanding design, craftsmanship and installations in wood that have taken place over the last 12 months. The 2013 shortlist will be unveiled and on show throughout Timber Expo and you will be able to hear more about the projects in the Timber Talks programme.

"The 2013 show is shaping up to be tremendous in every way," said Timber Expo event director, Loretta Sales "The show is nearly 80 per cent sold out with an expected 170 companies exhibiting this year. The move to the NEC has grabbed everybody's attention and will make exhibiting and visiting very easy indeed. The content we have lined up is superb. TRADA have really pulled the stops out with the Timber Talks seminar programme and there will be something to appeal to everyone. The big boost for 2013 has been the level of overseas interest. Alongside an expanding European scene we are now hosting trade pavilions too. You won't find this much timber technology anywhere else."

The show will also include the ProTimber Summit, the best entries from the TTJ Innovation Awards and a range of special invitation only industry events and association meetings.

Timber Expo will take place at the NEC, Birmingham, 24-25 September 2013. www.timber-expo.co.uk

news bytes

Visit adf-news.blogspot.co.uk and enter the reference number to view more information

RIBA Future Trends
Survey results for
May 2013...
Ref: 22534

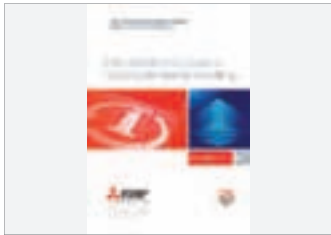
Assael wins planning
consent for Sutton
High Street
development scheme...
Ref: 80190

London planners
voice worries over
government reforms...
Ref: 67704

Help shape the
future of sustainable
refurbishment...
Ref: 79129

cpd focus

MITSUBISHI ELECTRIC GUIDE TO BUILDING INFORMATION MODELLING



Mitsubishi Electric has launched a free, CPD-Accredited guide to Building Information Modelling (BIM) to aid understanding of this new method of collaborative working in construction. BIM methodology allows different project teams and building occupants to share a virtual, computerised model of the building throughout its entire life – from design and conception to renovation or demolition. Get your free PDF guide.

01707 282880
air.conditioning@meuk.mee.com

enq. 104

PUTTING YOU IN CONTROL



Decorative electrical wiring accessories, audio and lighting control manufacturer **Hamilton Litestat** invites architects to take part in its RIBA-approved CPD seminar *Putting You in Control*. The interactive seminar focuses on the environments and uses for lighting controls, applications for lighting systems and an introduction to multi-room audio distribution. The seminar is delivered by Hamilton's experts, who are available to visit workplaces throughout the UK.

01747 860088
www.hamilton-litestat.com

enq. 106

FIVE RIBA APPROVED CPD SEMINARS FROM TRITON SYSTEMS



Triton Systems, suppliers of systems for basement waterproofing, concrete waterproofing and green roof construction, have incorporated the benefits of specifying BIM objects into their five RIBA approved CPD seminars. Three of the seminars cover new build and existing basement waterproofing and focus on the requirements of BS 8102: 2009 (the Code of Practice for Protection of Below Ground Structures), including the grades of waterproofing required, the types of waterproofing systems available and relevant standards and regulations. A seminar on *Waterproofing Concrete Structures Below Ground* looks at the benefits of using concrete in basement construction as well as the available waterproofing systems as defined in BS 8102: 2009; and a seminar on *Green and Living Roofs* focuses on the benefits of green roofs, design principles and the construction process. Triton was one of the first manufacturers in the construction industry to have its products included in the NBS National BIM Library and architects can now download elements of structural waterproofing and concrete waterproofing systems, ground gas barriers and green roof water storage membranes as BIM objects, directly for insertion into a building model, via Triton's page at www.nationalbimlibrary.com/triton.

01322 318830
www.tritonsystems.co.uk

enq. 107

CPD SEMINAR FROM THE LEAD SHEET ASSOCIATION



The Lead Sheet Association provides accredited training and technical advice as well as producing a range of information for specifiers and installers. Its RIBA-approved CPD provides an introduction to manufacturing methods and the technical, life cycle and sustainability characteristics of lead. It also explores the main uses of lead sheet, looking at flashings and weatherings, roofing and cladding and the restoration of old and historic buildings.

01622 872 432
www.leadsheet.co.uk

enq. 105

LIABILITY & LEVER HANDLES – AN INTRODUCTION TO BS 8300 & BS EN 1906



The latest presentation from **HOPPE**, manufacturer of hardware for the architectural and window and door sectors, looks at regulations affecting lever furniture and how standards can help specifiers and architects meet their requirements. Jam packed with informative and enlightening content, the presentation entitled *Liability and Lever Handles – an introduction to BS 8300 and BS EN 1906* includes ways in which to limit liability when specifying lever furniture.

01902 484 400
www.hoppe.co.uk

enq. 108

INTRODUCTION TO FIRE RESISTANT GLASS & GLAZING SYSTEMS



SCHOTT UK offers a comprehensive, RIBA-approved CPD called *Introduction to fire resistant glass & glazing systems*, which enables architects and specifiers to gain the knowledge required to select the appropriate fire resistant glass solutions for a building. It provides detailed information about the testing criteria, applications and range of products available. The CPD addresses key areas that are vital in the decision making process such as:

- Why we use fire resistant glass?
- What does fire resistance mean?
- Fire resistant criteria explained
- What types of fire resistant glass are available?
- The importance of suitable framing systems
- Compatibility of components
- What specific solutions are possible with fire resistant glass?

The protection of people and property is fundamental when developing new or updating existing buildings. Fire resistant glazing is critical when considering life safety and the building fabric. Let this CPD guide you through what matters most.

Please note that this CPD covers three points of RIBA core curriculum:

- Being safe: health & safety
- Compliance: legal, regulatory and statutory frameworks and processes
- Designing and building it: design, construction, technology and engineering.

01785 223 166
www.schott.com/uk

enq. 109

continuing professional development

Maintaining and improving professional competence, skills, abilities and knowledge

STEEL BUILDING ENVELOPE SYSTEMS FOR NON-DOMESTIC BUILDINGS



Tata Steel has launched a new RIBA-approved CPD module. It will offer technical advice for architects and design and construction teams on how to get the greatest benefit from steel cladding systems. Ian Clarke, part of Colorcoat® technical support, commented: "This module will help design teams to understand the wide range of systems [...] and how to best specify them to ensure the building performs as specified."

01244 812345

www.colorcoat-online.com/cpdseminars

enq. 110

SOLAR SHADING SOLUTIONS CPD



Faber Blinds is passing on its expertise in the form of a RIBA-approved CPD. Senior specification manager for Faber Blinds, Simon Barratt, explained that the Solar Shading Solutions CPD highlights the importance of sustainability and the challenges of designing, manufacturing and installing products to meet the exacting standards of such projects. It also provides an overview of current EU regulation and the requirements of LEED and BREEAM.

01604 766251

www.faberblinds.co.uk

enq. 111

A GUIDE TO RAINWATER HARVESTING, THE BENEFITS OF HIGH EFFICIENCY PUMPING AND SURGE PROTECTION – DESIGNING OUT HYDRAULIC SHOCK



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

01283 523000

training@wilo.co.uk

enq. 112

GLASSOLUTIONS INTERIOR GLASS CPD



GLASSOLUTIONS is offering architects and designers the opportunity to advance their knowledge with its new RIBA-approved CPD seminar on interior glass specification. The seminar gives detailed information about recommended glass types, the latest regulations and numerous applications for interior glass within buildings. Real life projects illustrate how interior glass overcomes design challenges. For details or to book please contact:

interiorglass@glassolutions.co.uk
www.ribacpd.com

enq. 113

EVENING NETWORKING EVENT

- > **NETWORK** WITH INDUSTRY PROFESSIONALS
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- > **BROWSE THE BUILDING PROJECTS GALLERY** SHOWCASING MAJOR BUILDING PROJECTS FEATURED WITHIN THE LAST YEAR'S ISSUES OF ARCHITECTS DATAFILE MAGAZINE

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Tickets are priced at **£24.99** each and include access to all of the listed highlights as well as drinks and nibbles. Places are available on a first come, first served basis, so book now to ensure your space. We hope to meet you there!

For further details, please contact Lesley Mayo on **07767 116838** or email lesley@netmagmedia.eu and for tickets, visit <http://netmagevents.eventbrite.co.uk/>



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THE SWINGING LITTLE BIG BAND



NetMAGevents, in association with the British Homes Awards, invite you to see out 2013 in style and celebrate the best of British design with your colleagues from the UK's property industry. Join us at this unique event, with entertainment by The Swinging Little Big Band, and be the very first to see the portfolio of stunning designs submitted for the Sunday Times British Homes Awards competition for Britain's Future Home.



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For further details contact Lesley Mayo on lesley@netmagmedia.eu and for tickets, visit:
<http://netmagevents.eventbrite.co.uk/>

events

AWARDS

Energy Efficiency & Renewables Awards
12 September, Coventry
<http://energyefficiencyexhibitions.co.uk/awards/>

British Homes Awards 2013
18 October, London
www.britishhomesawards.co.uk

CONFERENCES & SEMINARS

Business planning and marketing for architects
18 July, Cambridge
www.architecture.com/regionsandinternational

We Made 2012 - Permanent Venues
24 July, London (see page 5)
www.buildingcentre.co.uk/events

We Made 2012 - The Design Legacy: Beyond Utility
31 July, London (See page 5)
www.buildingcentre.co.uk/events

We Made 2012 - Designing for fun
6 August, London (See page 5)
www.buildingcentre.co.uk/events

Post Brutalism
19 September, London
www.buildingcentre.co.uk/events

Context: Understanding historic buildings – refurbishment and building performance
25 September, Nottingham
www.architecture.com/regionsandinternational

INSITE13
2 - 3 October, London
www.insite13.com

Procurement and contracts: Design liability and contracts
10 October, Gateshead
www.architecture.com/regionsandinternational

EXHIBITIONS

Chromazone: Colour in Contemporary Architecture
Until 21 July, London
www.vam.ac.uk

LESSER KNOWN ARCHITECTURE
Until 22 July, London
<http://designmuseum.org/exhibitions/2013>

Bristol: Ambitious City
Until 28 July, Bristol
www.architecturecentre.co.uk/exhibitions

InsideFlows: The Superuse Approach to Design
Until 31 July, London
www.architecturefoundation.org.uk/programme

Sir Hugh Casson PRA: Making Friends
Until 25 August, London
www.royalacademy.org.uk/events

United Micro Kingdoms
Until 26 August, London
<http://designmuseum.org/exhibitions/2013>

Nicholas Hawksmoor: Methodical Imaginings
Until 1 September, London
www.somersethouse.org.uk/visual-arts

Charles Correa - India's Greatest Architect
Until 4 September, London
www.architecture.com/OutOfIndia

FESTIVALS

City of London Festival
23 June - 26 July, London
www.colf.org

London Design Festival
14 - 22 September, London
www.londondesignfestival.com
World Architecture Festival
2 - 4 October, Singapore
www.worldarchitecturefestival.com

NETWORKING

netMAGevents Evening Networking Event
19 September, London
<http://netmagevents.eventbrite.co.uk/>

netMAGevents Best of British Christmas Party
12 December, London
<http://netmagevents.eventbrite.co.uk/>

TALKS, LECTURES & DEBATES

New Hotels in London
23 July, London
www.newlondonarchitecture.org/events.php

TOURS

Open House London
21 - 22 September, London
www.londonopenhouse.org

TRADE SHOWS

The Energy Event
10 - 11 September, Birmingham
www.theenergyevent.com

100% Design
18 - 21 September, London
www.100percentdesign.co.uk

Timber Expo
24 - 25 September, Birmingham
www.timber-expo.co.uk

Energy Efficiency Exhibitions, incorporating Renewables Roadshow
10 September, Exeter
12 September, Coventry
17 September, Newcastle
19 September, Edinburgh
24 September, Surrey
26 September, Manchester
www.energyefficiencyexhibitions.co.uk
www.renewables-roadshow.co.uk

Healthcare Estates
8 - 9 October, Manchester
www.healthcare-estates.com

Education Estates
26 - 27 November, Manchester
www.educationestates.com

Retrofit Roadshows
4 July, North West
9 July, Birmingham and West Midlands
5 September, North East
17 September, Wales
29 November, London & South East
www.retrofit-roadshow.co.uk

WORKSHOPS

Drawing Gymnasium - Summer 2013
Dates left: 16 & 23 July, London
www.buildingcentre.co.uk/events

Internal management: Business planning and marketing for architects
Dates until 15 October, London
www.architecture.com/whatson

Designing and building it: Passivhaus myths and realities - a 'get you started' active workshop for architects and designers
Dates until 5 December, London
www.architecture.com/whatson

editor's focus

Westcliffe Joiners

Westcliffe Joiners produces a wide variety of curved, straight and helical staircases and see them through from inception to manufacture to final on-site fitting. You can take reassurance that all work is carried out by specialist time served joiners with an aim to create your perfect staircase – faithful to your precise specification. Westcliffe Joiners is one of the last remaining staircase companies in England to manufacture curved staircases using traditional methods including continuous string and wreathed hand rails. Westcliffe Joiner's reputation for fine detail is second to none.

enq. 116

Burgess AP

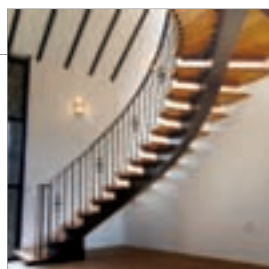
Burgess AP Ltd is a UK market leading manufacturer of metal suspended ceiling systems based in Hinckley, Leicestershire. Widely specified in office, education, healthcare and retail construction, Burgess provides designers with a complete range of standard and bespoke ceilings including key options for acoustic absorption, durability, fire resistance, ceiling void access and aesthetic design. All systems are CE marked to show full compliance with the European standard for suspended ceilings EN ISO 13964 and manufactured under EN ISO 9001 quality and ISO 14001 environmental standards.

enq. 117

Timberplay

Timberplay has strengthened its offering for Landscape Architects with a comprehensive program of new CPD seminars, all created to be deliverable within an hour. Suitable for landscape architects of all levels of experience, this program covers a wide range of subjects, from a basic introduction to play to a more detailed presentation looking at the role of risk within play. Moreover, the program has been created with the option of bespoke sessions, which can be put together to meet the specific needs of any given group.

enq. 118



The Flyscreen Company

With the increased popularity of oversized sliding doors and windows, the development of a suitable Flyscreen system has been a top priority. The Flyscreen Company's sliding flyscreen system for panoramic doors and windows brings the garden into the home without the flying insects. Frames can be custom painted to match door and window frames. A strong PVC coated fibreglass mesh keeps flying insects out and allows light in, without restricting views. The system is designed to allow a variety of different fitting methods to suit specific door and window designs. Opening and closing the panes is easy with high quality rollers and ball bearings.

enq. 119

Solarlux

Solarlux would like to introduce the SL 97, a revolutionary glass folding door with one of the lowest U-values in the UK market today. Technically superior, triple glazed and constructed from timber and aluminium, the SL 97 provides a premium solution for energy efficiency. The SL 97 is not only energy efficient, but also eco-friendly, using water-based glazes and sustainable materials. Elegant and sleek, the SL 97 is aesthetically gratifying. Exterior aluminium cladding provides extensive weather protection and minimises any maintenance requirements.

enq. 120

Formica Group

Formica® laminate was used in the new Hilton Hotel at London's Heathrow Terminal 5. Following the design concept from Felicia Ng at EPR Architects, Copper Stratos was chosen from the DecoMetal® by Formica Group range to add a stylish flair to the bar area in the hotel's Gallery Restaurant. DecoMetal® is the practical alternative to real metal. The range offers desirable and tactile laminate surfaces, made using real metal foils. It is the perfect material for hospitality environments, where hygiene, easy maintenance and durability are important.

enq. 121

Contour Showers

Swift shower trays are the smart choice when installing a level access shower for people with mobility difficulties. Not only do they require the minimum of floor removal of 18mm, they exclusively incorporate Contour's unique TRUESEAL2 floor edge profile, have a lifetime guarantee and they exclusively incorporate Microban® anti-bacterial protection. The shower tray and doors can be easily installed during one site visit, leaving the flooring to be fitted later. Now incorporating a 14mm tiling lip, a Swift will accept wall tiles or wallboards without the need for additional profiles.

enq. 122



Panelcraft Access Panels

Panelcraft Access Panels has developed the Tilepan range to provide an effective solution to gain access to building engineering services concealed in ceramic, marble or slate tiled wall cavities. Tilepan access panels are completely invisible and can be custom made to suit the tile module. They are precision manufactured in Zintec and the finished product's overall depth is only 55mm excluding the tile. The concealed frame is fixed into the wall prior to tiling and the door is faced with tiles on-site, up to 10mm thick, to finish flush with surrounding tiles. A touch catch is fitted as standard and various security options are also available.

enq. 123

Shorguard

For more than 25 years, JP Whelan Plant has been a key player in the edge protection market. During that time its SG4 range of freestanding guardrail systems has been installed nationwide across a wide range of public and private sector buildings. The proven, cost effective solution for flat roof applications SG4 is available for sale or hire. Working closely with many building professionals including architects the company provides a free design service and site survey visit.

enq. 124

Clearview Windows

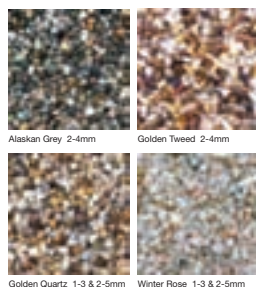
The Alumatherm aluminium vertical sliding sash window is one of the slimmest, most authentic sash windows in the UK. With a choice of astragal bars, 36mm super slim meeting rail and choice of either 43mm or 90mm deep bottom rail, Clearview Windows gets you closer to the authentic look preferred by customers and local planners alike. The Alumatherm design is a culmination of over 50 years' experience in aluminium sash windows and continuous research and development. Perfect for modern new builds, commercial projects, care home and social housing to name a few.

enq. 125

James Jones Timber Systems

Designers will already know the highly successful James Jones FloorMaster software. This summer new software, suitable for use in a BIM environment, will be released. It will be able to export to IFC format files, allowing a 3D BIM model of James Jones' fully engineered structures to be picked up by anyone using Revit, Tekla, ArchiCAD or other third party BIM packages. As these IFC files are full BIM models, they can contain additional information too, e.g. on costs, weights and carbon footprint.

enq. 126



Long Rake Spar

As one of the UK's main suppliers of dried aggregate granules to the resin surfacing industry, Long Rake Spar is committed to sourcing and developing extensive product selections. As part of this commitment they continually seek to introduce exclusive new products, all of which are supplied washed, dried and screened to the highest specification to produce clean, closely sized granules. New for 2013 are four additions to the ranges Golden Quartz, Winter Rose, Alaskan Grey and Angular Tweed. Suitable for systems used in applications for medium traffic use.

enq. 127

AWARDS

Grupo Aranea and Tsukano Architect Office wins AR House Award 2013



Grupo Aranea and Tsukano Architect Office are joint winners at the **AR House Awards**, held at the Royal College of Physicians, Regents Park.

Spread across the globe from China to the UK, the winning projects from this year's AR House Awards offer compelling new perspectives on the house that extol and extend its essential pioneering spirit.

The jury this year was Amanda Levete (UK), Francisco Aires Mateus (Portugal) and Takaharu Tezuka (Japan). Jury chair and AR Editor Catherine Slessor commented that "The standard of submissions was extremely high, testifying to the fact that as a building type, the house

continues to be the standard bearer of often quite radical innovation that presages deeper evolutionary currents in architecture and society".

Now in its fourth year, the AR House Awards exceeded expectations, with a record number of entries competing for an overall prize fund of £10,000. As well as the two joint winners, the jury decided to highly commend 11 further projects.

Over 200 of the industry's elite gathered to celebrate excellence and innovation in the design of a one-off house. During the day the winning and highly commended architects presented their projects at the Pedini showroom.

Joint winners from Tsukano Architect Office for House T, Miyazaki, Japan (left) and Grupo Aranea for Casa Lude, Cehegin, Murcia, Spain (right)



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www.kloeber.co.uk

enq.128



A healthy dose of Tarkett flooring

When tasked with replacing the flooring in two respite care centres, for Ward Flooring Solutions, **Tarkett** was the obvious choice. The Shaw Healthcare and Kent County Council centres needed updating and, wanting to create a more homely feel, Ward Flooring selected Tarkett Safetred Wood. The Tarkett range provided the functionality needed for a respite care centre without compromising on aesthetics. More than 1,400 sq m of the flooring has been installed in numerous dining areas, bedrooms and hallways used by patients. Chris Ward, director of Ward Flooring Solutions, said: "We had a number of challenging requirements to fulfil when picking the flooring for the care centres. Probably the biggest consideration was that it had to be pleasing to the eye, but also non-slip and suitable for a healthcare environment. The Tarkett flooring selected met all of our needs. It was natural in appearance and offered numerous advantages to our fitters."

01622 854040 www.tarkett.co.uk

enq.129

B&K takes the fast route home

A clay block walling system provided speed and sustainability for the construction of the Maple Care Home in Stockton, as James Pringle explains

We all think 'I'd hate to end up in a home'. Everyone fears a dreary, institutionalised existence: but a modern care or nursing home can be a welcoming and comfortable environment. Good design and the right team make all the difference, as residents of the Maple Residential Care Home in Stockton-on-Tees can confirm.

B&K Developments was the developer and main contractor for the construction of the three-storey, 63-bed building. It is also owns Whitton Care Group, which runs the site in Stockton and another in Grimsby, the Ladysmith Care Home. The £3 million Stockton building was built rapidly, yet to a high specification. Completed six weeks ahead of schedule,

the whole process from groundbreaking to opening for business took just 10 months. A big factor in this speed was the decision to create the superstructure from 5,000 sq m of Porotherm precision-engineered blocks from Wienerberger. According to B&K managing director Billy Morgan, his company was the first in the UK to use this Austrian product.

"Although Porotherm was new to us, the benefits of the system became clear as construction progressed," says Morgan.

"The speed of the build, dryness of the system and cleanliness of the completed walls and work areas convinced us that Porotherm is the way forward. The fact that it doesn't crack or shrink after construction is also a major benefit, as this

Continued overleaf..

'Porotherm blocks are highly energy-efficient. When we came to do our air test on the building, we couldn't blow any air at all out of the rooms that were tested'

Billy Morgan,
managing director, B&K



Cavity wall with thermal insulation



© Liz Whalen

The cedar cladding works well with the rest of the brick, block and neutrally rendered exterior

‘There’s a mansard roof, because we wanted three storeys, which the council planners were happy with, but they didn’t want a pitched roof on top’

Billy Morgan,
managing director, B&K



© Ian Larnach Associates

significantly reduces the cost of snagging and potential disruption for residents.

“The blocks are very quick to build with,” he continues. “They’re 300mm by 200mm by 100mm thick, and they go together almost like Lego, because there’s no additional sand, cement or mortar involved. You use a special adhesive that you just mix in a bucket and it goes on 2mm thick. So you get a perfectly level, even structure as you’re going up the building, and you don’t have any mess.”

“Porotherm blocks are highly energy-efficient,” he continues. “When we came to do our air test on the building, we couldn’t blow any air at all out of the rooms that were tested, once the trigger vents were closed up and fans and things were covered over. We put in a big fan to push the air out, and we couldn’t get any to blow out because the blocks were that efficient in terms of heat-loss.”

Morgan intends to use Porotherm for a further two residential developments in the UK and abroad, and Baxter & King

Construction is using it to build a 72-bed care home in Corby, Northamptonshire.

Wienerberger construction systems director Phil Noble says: “Porotherm is ideal for the healthcare sector, and we expect to see an increasing number of care homes being built using the system.”

“Compared to traditional masonry products, laying times are up to five times faster, and that results in construction speeds of about 10 sq m per man per hour. The thin-joint bed mortar used to bond the blocks uses 95 per cent less water than traditional mortar. That enables the building to dry and become watertight in a much quicker time, so the internal first fix can start sooner.”

Supply chain consultant Ian Larnach says: “Lewis Decking is probably the most cost-effective way of introducing a shallow concrete floor into a building, especially when under-floor heating is to be installed. The concrete used is more often than not only 52mm thick.”



© Ian Larnach Associates

Porotherm blocks being laid



© Ian Larnach Associates

'We've tried to build as much of a homely environment into our home as possible. It's like building a very homely hotel'

Billy Morgan,
managing director, B&K

Morgan takes up the story: "There's a mansard roof, because we wanted three storeys, which the council planners were happy with, but they didn't want a pitched roof on top. So we designed a mansard roof, which makes the building like two storeys, with a slight pitch on the roof."

There are six lounges and three dining rooms, two of which have kitchenettes where residents can use tea and coffee making facilities. Every generous-sized bedroom has high-quality fitted furniture, a drinks refrigerator and a flatscreen television with built-in DVD player.

The floors were laid with efficiency and safety in mind. "We used the best non-slip tiles I've ever come across," says Morgan. "We put those down rather than non-slip vinyl floors, which are traditional in care homes and hospitals."

"Our floor structure was very important for what we were about. We used eco-joists, with 12mm OSB (oriented strand

board) on top. Then we put a Lewis decking sheet over that and connect underfloor heating pipes to it, using an Uponor heating pipe system. It was topped off with Gyvlon free flowing screed and made a fantastic floor, ready to accept the final floor coverings.

"We didn't opt for plug-and-play bathroom pods, but installed our own en-suite and communal bathrooms and showers, all formed on-site. We worked efficiently and cost-effectively, and the cost of putting in pods would have been very expensive by comparison."

The external cladding comprises building brick, block, weather-resistant through-colour render and cedar cladding.

"We've tried to build as much of a homely environment into our home as possible," says Morgan. "It's like building a very homely hotel."

"Most businesses that build care homes tend to use very

Continued overleaf...



© LPG



© LPG

The contemporary decor with a traditional feel makes the residents feel at home

BUILDING PROJECTS

'The home is designed for modern, economical living'

The stairwell is visible through the attractive white corner windows (right); the raised beds around a patio area (below)

Developer & main contractor:

B&K Developments

Architect:

Roberts & Simpson,
Newcastle upon Tyne

Supply chain consultants:

Ian Larnach Associates

Porotherm blocks:

Wienerberger

Lightweight metal decking:

Lewis
Dovetailed Sheeting

Underfloor heating:

Uponor

Free-flowing floor screed:

Lafarge Gyvlon

Windows:

Coral Windows,
Roseberry Joinery of
Middlesbrough

Hot water panels:

Viessmann

Photovoltaic panels:

Solarworld



© Ian Larnach Associates

traditional décor, because the users will be older people. But some younger people are going in these days, and they've lived with contemporary décor. We've aimed for something in between."

The exterior adopts a modern look, with laminated timber double-glazed windows, using three different materials, and the opening windows are vertical. Attractive white corner windows are featured by the stairwell.

Sustainable products were used for windows and timber joists. The Porotherm blocks were made from a mixture of recycled ash and clay, doors were also made from recycled materials, and skirting boards and backboards were MDF-based.

The home has low-energy and energy-efficient lighting, and its cooking and laundry drying is powered by gas. Morgan believes the utility bills come to less than half those of less energy-conscious homes of comparable size.

Two 65,000 BTU boilers provide the heating, and have not

been stretched to capacity even in the extreme winter of the home's first year.

The home is designed for modern, economical living. On the roof are Viessmann panels for producing hot water. With German-made photovoltaic panels boosting the electric energy supply, provided by Solarworld.

B&K bought some additional land from Stockton council to enhance the home's landscaping. There are many areas of shrubs and perennial plants, as well as bark features. Block-paved patio areas include raised planters, so residents who are keen gardeners, no longer able to bend easily, can help with the planting.

"Everything went really well with this project," says Morgan. "Apart from some inclement weather when we were digging for foundations that January, everything was straightforward and we were finished by October.

"The home is virtually full all the time and we've had great reports. From an operational point of view, it's fantastic."



© Liz Whalen

On The Level – level access wetrooms



There are many practical reasons to install a wetroom, including providing safe showering for the elderly and for the less able. **On The Level**, UK manufacturer of patented underfloor wetroom shower trays, offers tailor-made level access wetroom solutions to provide safe and attractive showering options. For example, instead of a tiled floor a non-slip sheet vinyl can be installed to reduce the risk of slipping and safety can be further enhanced with accessories such as grab rails and a seat. Easy to

install, these highly durable Birch ply trays are guaranteed for 25 years and are available in stock sizes or bespoke. The trays are supplied ready to lay on any substrate including timber, screed and floating floors.

01525 373202 www.onthelevel.co.uk

enq.130

Hygiene at the Helm!



A progressive housing association, which specialises in development and management of models of supported housing for people with special needs is applying that commitment through to tenants' independence in personal hygiene. The **Clos-o-Mat** looks like, and is no bigger than, a conventional WC, but additionally features integrated douching and drying facilities. After toileting, light pressure on the flush paddle with hand or body triggers the flushing process and simultaneous douching, followed by

warm air drying. As a result, it enables anyone to toilet, without having to manually wipe clean, or be wiped clean.

enq.131

Gainsborough Specialist Bathing launches new mobile patient hoist range



Gainsborough Specialist Bathing has launched a new series of Glide mobile patient hoists for the care environment. For over 25 years, Gainsborough, part of the Care in Bathing Group, has supplied specialist assistive bathing solutions from concept to completion, in a variety of locations from residential care homes to acute wards. Gainsborough can now also provide lifting and transfer solutions alongside its assisted baths with the launch of its new Glide range. The introduction of the Glide M150 Mobile Bath Hoist, M180 Mobile Hoist, M200 Stand-aid and M320 Bariatric Hoist, follows the successful launch of the Glide 200 ceiling track hoist system from Gainsborough. This new range of versatile hoists is designed to enhance the patient transfer experience and each model will deliver the same high levels of reliability, quality and safety associated with the Gainsborough range of powered baths. Gordon Familoe, Care in Bathing managing director explains: "The Glide 200 ceiling track hoist system has already proven popular with care providers and our new mobile hoists promise to deliver even more benefits. Moving and handling best practice is critical in all modern care environments along with maintaining high levels of safety. Hence these new hoists help to meet these challenges through industry-leading performance."

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enq.132

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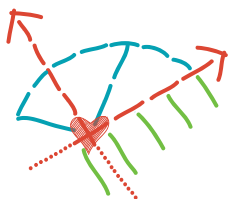
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© Stride Treglown Tektus

Manor Kingsway: Built for life

Architect Stride Treglown Tektus and contractor Kier Partnership Homes have combined to produce a design for a new residential development that has met with glowing approval in the Building for Life ratings, as Steve Menary reports



The need for higher quality urban design has arguably never been greater as the private housebuilding industry gears up for a major expansion after a raft of initiatives to encourage this growth were put in place by the government.

The Building for Life (BfL) standard was set up 12 years ago to encourage the notion of 'our place'; a dialogue between everyone involved to create innovative new housing.

Over a decade on and a new updated version of BfL has been created (see box opposite) and design excellence in the first pioneering schemes was recognised earlier this year.

For Kier Partnership Homes, the recognition came after 12 months of hard work after the company was appointed preferred developer back in February 2012 on a proposal to redevelop land on a former healthcare site at Manor Kingsway in Derby.

Reorganisation of medical services in the area had left significant areas of surplus land, which was transferred to the Homes & Communities Agency. The HCA and Derby City Council had a view to creating a 'high class' residential development.

Graham Dobbs, the HCA's head of Midlands North, said: "We know, through working closely with Derby City Council, that Manor Kingsway is a local priority, not least because the derelict buildings have been an eyesore for the communities around the site but also because of its potential as a mixed-use development."

A competition was launched to find a developer but the recruitment of an architect came through the involvement of another consultant. When Halcrow applied to get on an HCA framework agreement, the consultant asked three architectural practices – Aedas, AHMM and Stride Treglown Tektus – to support their bid and provide a pool of architectural expertise.

CGI of the Manor Kingsway
crescent houses

What is Building for Life 12?

The original Building for Life (BfL) was an industry standard established in 2003 by the Home Builders Federation (HBF), Design for Homes and CABI, the Commission for Architecture and the Built Environment, to promote urban design.

The original scheme posed 20 key questions to designers and home builders and included gold and silver standards.

Five years after the original idea was launched, a second version of BfL was put forward but in 2010 CABI commissioned a review of the scheme aimed at exactly how the scheme is used in practice. This pointed to problems with some of the questions posed, particularly those that prevented 'constructive dialogue'.

In May 2011, CABI completed an online survey of the Accredited Assessor Network. More than 200 assessors replied and this again underlined the issues with some of the existing questions.

The advent of the Code for Sustainable Homes created some over-lap with some of the original areas in BfL, while the arrival of a new coalition government also brought about significant changes to the planning environment.

The National Planning Policy Framework and the Localism Act were introduced and a requirement for reporting on housing quality in Annual Monitoring Returns to central Government removed.

So in 2012, CABI, the HBF and Design for Homes introduced BfL 12 with help from Nottingham Trent University.

The original 20 questions had been replaced in 2008 and those updated questions were again removed in favour of a dozen headings. Instead of gold and silver status, schemes are rated in terms of green, amber and red designs. Those schemes that achieve a 'green light' in response to all 12 questions are given Building for Life Diamond status, any red lights are a warning that an aspect of a scheme needs to be reconsidered.

As the first schemes to achieve a dozen green lights were named in February 2013, Pam Alexander, a Design Council Trustee who chaired the review of the BfL criteria, said: "As a framework for positive and constructive dialogue between communities, local authorities and housebuilders, the 12 new criteria describe elements of high quality design which respond to local character and deliver open, connected developments."

In addition to Manor Kingsway, the other four schemes to initially meet the standard earlier this year were the 330-unit Starvehall Farm in Cheltenham, Skanska's Seven Acres scheme at Great Kneighton in Cambridge, Roussillon Park in Chichester designed by Ben Pentreath Architects and Taylor Wimpey's Church Fields project in Boston Spa.



© Stride Treglown Tektus

Halcrow was successful and when Kier Partnership Homes was putting together a bid for the Manor Kingsway site, the housebuilder was provided with a list of consultants on the HCA framework and asked to choose one.

Kier chose Halcrow and then the three architects were asked to make a submission highlighting their residential experience and why they would be suitable for the project, a process that Stride Treglown Tektus emerged successful from.

Dominic Eaton, a director at Stride Treglown Tektus who worked on Manor Kingsway, says: "We worked with KPH in the preparation of their bid document, producing architectural proposals and character areas given the size of the scheme. The final bid submission was quite a tome, and was very impressive. The KPH bid was successful. Derby City Council, local design review group OPUN and the HCA reviewed the developer-led bids and decided who would

Continued overleaf...

'Our initial architectural ideas formed the basis of a scheme that would be 'robust, simple, confident and contemporary'. This was informed by the sites location and context, which is quite gritty and industrial'

Dominic Eaton, director,
Stride Treglown Tektus



The central Hub of the development is formed of apartments and shops

work with them to develop the site.”

After Kier’s bid emerged successful, Chris King, managing director at Kier Partnership Homes said: “We are very keen to encourage economic, environmental and social sustainability and the enhancement of the green infrastructure including maximising its improvement as a recreation, amenity and biodiversity resource.”

To aid the design, Derby City Council provided Stride Treglown Tektus and Kier with a very detailed briefing document so that everyone involved knew what was required and the design and vision aspirations.

Eaton adds: “At a pre-bid meeting with DCC we presented some of our initial architectural ideas and these formed the basis of a scheme that would be ‘robust, simple, confident and contemporary’. This was informed by the sites location and context, which is quite gritty and industrial.”

To achieve Diamond Status in the revised Building for Life 12 scheme, the design had to satisfy a dozen criteria in three key areas. The design had to integrate a neighbourhood through connections, facilities and services, public transport and meeting local housing requirements.

The proposal had to create a place through character, by



© Stride Treglown Tektus

working with the site and its context, creating well defined streets and spaces and be easy to navigate. Finally, Stride Treglown had to provide a street and home by encompassing notions of streets for all and including car parking, public and private spaces and external storage and amenity space.

Eaton adds: "This can only really be achieved by integrating the 12 points into the design proposals from the very start. A scheme would struggle to fulfil the 12 criteria if applied retrospectively. The layout needs to be legible with a clear hierarchy, and these principles have to form the basis of the design rationale at the very beginning.



© Stride Treglown Tektus

"We are also familiar with the requirements and demands of the HCA having worked on a number of schemes with them, so I feel that we are not having to reinvent the wheel every time; although our response does have to take on board constraints and opportunities that relate to the site and context."

The group drew on the local red brick and industrial historic context, while public open spaces also formed a major part of the master-plan with a home-zone and shared surfaces giving pedestrians priority over cars.

The first phase, which has secured planning permission, comprises two and three storey houses aimed at giving a distinctive character different to most mixed use city centre sites.

Eaton explains: "We also looked at the natural site features, existing trees and road patterns which informed the new emerging master-plan. For example there is a large cluster of existing trees that have been retained. We've formed a crescent form of houses around them. The central 'hub' of retail and apartments has also played a key role in shaping the master-plan in terms of its simplicity and legibility."

Although no existing buildings were to be saved on the area of the site to be redeveloped, Stride Treglown Tektus still aimed to respect and respond to existing buildings in its design proposals.

This approach included introducing Dutch Gables similar to those that had been a strong architectural feature on the hospital building. The practice also drew on a number of existing 'towers' among the hospital buildings as inspiration for a few key four-storey corner buildings used to form local landmarks and marker features.

Construction of the scheme will begin this autumn with a view to completion by 2015, when home buyers will be able to see if Stride Treglown Tektus' designs have been transformed by Kier into buildings for life.

One of the main characters of the development is the open spaces

Project:	Manor Kingsway
Approximate development value:	£100 million
Residential units:	700
Space for B1 use:	230,000 sq ft
Retail space:	5,000 sq ft
Architect:	Stride Treglown Tektus
Consulting engineer:	Halcrow
Planning consultant:	Savills
Contractor:	Kier Partnership Homes

Hobs reprographics showcases 3d printing



Hobs Reprographics has demonstrated its 3D printing and brand new Augmented Reality services at the Coronation Festival at Buckingham Palace. This unique and prestigious event is for holders of Royal Warrants. The Coronation Festival celebrates innovation, excellence and industry, showcasing Hobs, which was

awarded its Royal Warrant in 2003. Augmented reality is the next big technology that allows you to see your completed project in reality and to scale. Hobs is currently working on a project showing the construction of a building within a time line, each level building up with even a moving crane on-site.

0203 217 0304 www.hobs3d.com

enq.135

Focus SB used for stylish interior design

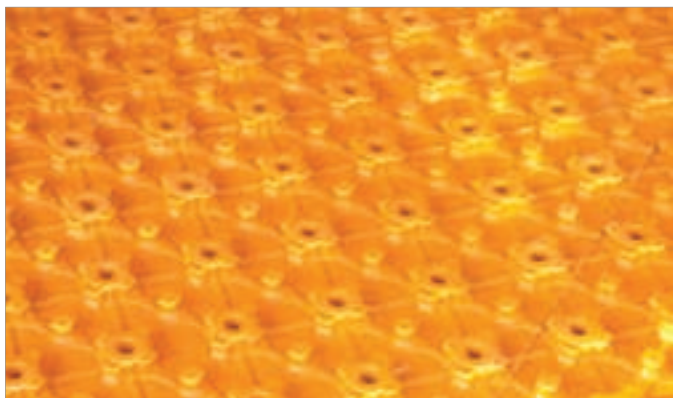


Designer **Audrey Lovelock** has used **Focus SB** in her stylish interior design of Lansdowne house, an old Edwardian property in central London. The stylish Lansdowne house features both soft and stone related design elements. The minimalist interior features satin chrome finished **Focus SB**

electrical face-plates, which add an extra defined edge, glitz, shine and shimmer, to the remotely lit interior. These electrical plates sit flat on the wall while the satin finish gives the plates a subtle silk-like appearance. A black wall, against which the plates are laid, juxtaposes their satin shine and provides a striking impression to the electrical sockets.

01424 858060 www.focus-sb.co.uk

enq.137



Trusted recommendation from top architect

A self-build project on a unique family home has seen the installation of the state-of-the-art underfloor heating system, **Schlüter®-BEKOTEC-THERM**, after being recommended by architect firm **MPC Partnership**. Close to Crackley Wood and overlooking Green Belt, the unique property of Crackley Hill Grange near Kenilworth has seen a major redevelopment with an extension to the ground floor. As part of the revamp of this property, design specifications required the very best eco-friendly energy saving heating system. With this in mind, architect **Michael Pilkington** of **MPC Partnership** turned to the energy efficient **Schlüter®-BEKOTEC-THERM** underfloor heating system, which is able to distribute heat much faster due to a 30 per cent thinner screed compared to other similar systems. The patented low assembly height of **Schlüter's** ceramic thermal comfort floor allows it to respond more rapidly to temperature changes.

01530 813396 www.schluter.co.uk

enq.139

Densoclad 70 protects 1Km of pipework



Cofely Fabricom GDF SUEZ are near completion of a contract to install 1 km of protected multi technical underground gas systems for gas storage in the Cheshire brine fields. The coating selected was **Winn & Coales Densoclad 70**, this having been applied to 'in situ' field joint locations by the **Cofely Fabricom GDF SUEZ** organ-

isation on erected pipework sections ranging from 2" to 30" Diameter. **Winn & Coales Densoclad 70** medium to heavy-duty tape is designed for anti-corrosion protection of medium and large diameter pipes, welded joints, bends and fittings, and is applied over **Denso** primer.

020 8670 7511 www.denso.net

enq.136

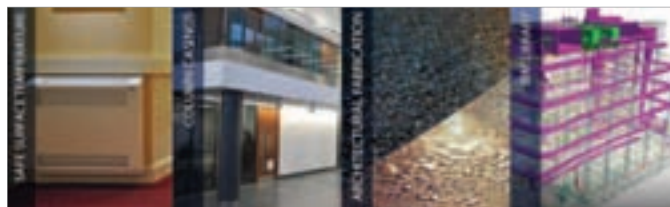
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vortex impellers with full free passage and channels with anti-blockage systems, make the **Uniqua®** series ideally suited to operation in any conditions. The motors have been designed to reach the Premium Efficiency Class IE3 according to the CEI EN 60034/30 regulations, can work in uninterrupted service S1 in water up to a temperature of 60°C, as per NEMA A.

enq.138



Contour Casings' new BIM-enabled website

BIM is the hot topic with construction industry professionals throughout the UK. By modelling in the virtual environment first; problems are detected before construction begins, guaranteeing the building is constructed correctly first time, every time. The government is converting all appropriate projects into a 3D collaborative BIM environment by 2016. However, despite BIM being recognised as a vehicle with which time and cost savings can be levied, a lack of high-quality BIM components is currently a significant barrier to full industry adoption, with those that are available, not containing sufficient background data to allow the full potential of BIM to be levied. **Contour Casings** has recently launched the UK's first fully BIM-enabled fabrication website. At the heart of Contour's new website is the technical "Resource Centre", which includes an extensive range of BIM, DWG, project and product datasheets, brochures and interactive image gallery's. Contourcasings.co.uk has been designed to be the complete toolkit that architects and consultants need to deliver their BIM projects. Contained within the resource centre is the "BIM Library", a bank of pioneering BIM objects which cater for both experienced BIM designers and new users. Contour's dynamic, intelligent and flexible BIM components are hosted alongside a full range of product specification downloads.

01952 290 498 www.contourcasings.co.uk

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Sustainable & recyclable products from UZIN



UZIN is especially focused on innovating new environmental solutions and has innovated the Cube It Simple recyclable packaging. The new packaging means: 77 per cent less CO₂ – The cube packaging allows much more efficient method of transporting as more weight and units can be put on a pallet. Transportation is therefore reduced

and less CO₂ discharged. 87.5 per cent less waste – Only the liner is made from plastic, which can be returned and disposed off. The box is made from recycled cardboard, which can be recycled again. This also saves floor contractors the hassle of disposing large amounts of plastic containers.

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LINK&LOCK feature



Hauraton has developed an innovative linking system for their RECYFIX® HICAP® high capacity surface water drainage channels. The new LINK&LOCK feature facilitates the alignment of each one metre channel unit with the

next, providing a positive mechanical fix that makes the installation procedure of the whole channel run much easier. With their ductile iron slotted tops, in a choice of four configurations, the channels have proved very effective at draining large areas of asphalt and concrete. With on-site test installations in early June 2013 now complete, Hauraton are confident contractors will find the new system easier and quicker to install.

01582 501 380 www.hauraton.co.uk

enq.142



Award winning waterproofing!

Two Property Care Association (PCA) award-winning companies have joined forces to waterproof the basement at a major residential refurbishment site in central London. Triton, which won the PCA's Innovation and Sustainability award for the pioneering subscription of its systems to the new NBS BIM Library, supplied the waterproofing system components. These included 1,000m² of cavity drain membranes, which were installed to the inner surface of all exterior walls, Aquachannel drainage conduit, which was installed to the perimeter, and associated sumps and pumps. The design of the drainage system was based on a gravity feed to existing outlets. Together these components provided an effective Type C waterproofing system as defined by BS 8102. Preservation Treatments will also carry out external waterproofing works in the new build section of the development later in the project.

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Choose wood, choose FSC

Tallulah Chapman, communications manager, FSC UK discusses the reasons for choosing FSC certified wood for builds

The London 2012 Athlete's Village was completed last year using 18,508m³ of timber, which is enough to fill 7.5 Olympic swimming pools or stretch (in 2x2 form) the course of 304 marathons. That's a lot of timber, but what's special is not just how much there was, but where it came from: it was all FSC® certified – every last stick! The London 2012 Athletes Village (TT-PRO-002826) housed athletes and officials during the London 2012 Olympics and Paralympics, before being cleverly adapted to form the East Village, providing homes for 6,000 Londoners.

In 2012, however, the gold medal for sustainable construction was shared between the East Village, to date the largest project in the world to achieve full FSC project certification, and the Olympic and Paralympic Park itself, which became a world first in securing both FSC and PEFC project certification



An FSC certified tropical hardwood bench in the London 2012 Olympic Park with views to the East Village

(SA-PRO-003095), with 100 per cent of wooden inputs certified as 'legal and sustainable'. This joint-certification has been hailed as a major achievement and a procurement model for other large-scale projects to follow. FSC certified material made up 67 per cent of the 12,500m³ timber products procured.

Project certification is a one-off, site-specific certification that allows clients and contractors to make claims about the FSC timber inputs in a construction project, these claims are backed up by independent third-party auditing. Around the



world, more than 70 projects have achieved this certification since the first certificate was awarded to a five-storey timber-framed residential development in London's Ilford Wharf (TT-PRO-002236) in 2006. Lendlease, who built the Olympic Village, are now committed to achieving certification for all of their projects, as are Marks and Spencer for all new-build stores; this includes M&S Cheshire Oaks (TT-PRO-003615), the biggest and greenest M&S store in the world, and the first retail store to feature a 100 per cent FSC certified Glulam roof.

The Forest Stewardship Council® (FSC) sets standards for good forest management, against which companies are audited to ensure they manage their forests responsibly. There is also auditing of the supply chain to ensure FSC materials can be identified from forest to consumer.

Worrying news coverage about forest destruction has caused some to shy away from using timber, feeling safer with concrete or steel, but FSC and Wood for Good, the UK's wood promotion campaign, hope that things will change. Boycotting

Continued on page 35...

M&S Cheshire Oaks

'Wood, apart from being aesthetically pleasing, has many excellent construction properties'

Tallulah Chapman

Timber door canopies by George Woods



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

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

enq.149

Timbmet cladding for Linden development



Timbmet, has been instrumental in supplying a unique look to one of the key developments in Harlow, Essex – be:Newhall. be:Newall is a high profile residential development comprising a collection of villas and apartments designed by award winning architects, Alison Brooks. Each property has been designed to combine local and sustainable materials. The specification of black cladding required a timber that could be coated to provide a consistent appearance, and be fire retardant treated to meet exact fire performance standards. Timbmet's experts recommended Larch as the ideal solution and were assigned to supply large quantities of their Larch weatherboard cladding.

01865 860303 www.timbmet.com

enq.150

The future is modified



James Latham is seeing popularity of Accoya® – its modified, highly durable and dimensionally stable certified softwood – grow by the day. Accoya® is one of the most advanced wood products on the market and uses Accsys' proprietary wood acetylation technology to deliver outstanding levels of performance, stability and durability. Latham's has a strong track record in successfully marketing new and innovative products and Accoya® is now available from all ten of its timber distribution points covering the UK. Accoya® is a high performance product, which can be safely recycled and is as impressively durable as the highest quality tropical hardwoods. Produced using modified fast growing species, Accoya® is a quality, long lasting product that is suitable for a wide range of external joinery applications. Plus, Accoya® is also helping to protect the world's precious hardwood resources – it is guaranteed for 50 years in exterior use and 25 years when used in the ground. This long life also provides an added benefit – helping to reduce carbon emissions. Chris Sutton, director at James Latham, said: "As well as our established customer base of joiners who are increasingly opting for Accoya®, we've also seen it open up opportunities with new customers as demand for sustainably modified products continues to grow."

0116 257 3415 www.lathamtimber.co.uk

enq.151

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enq.152

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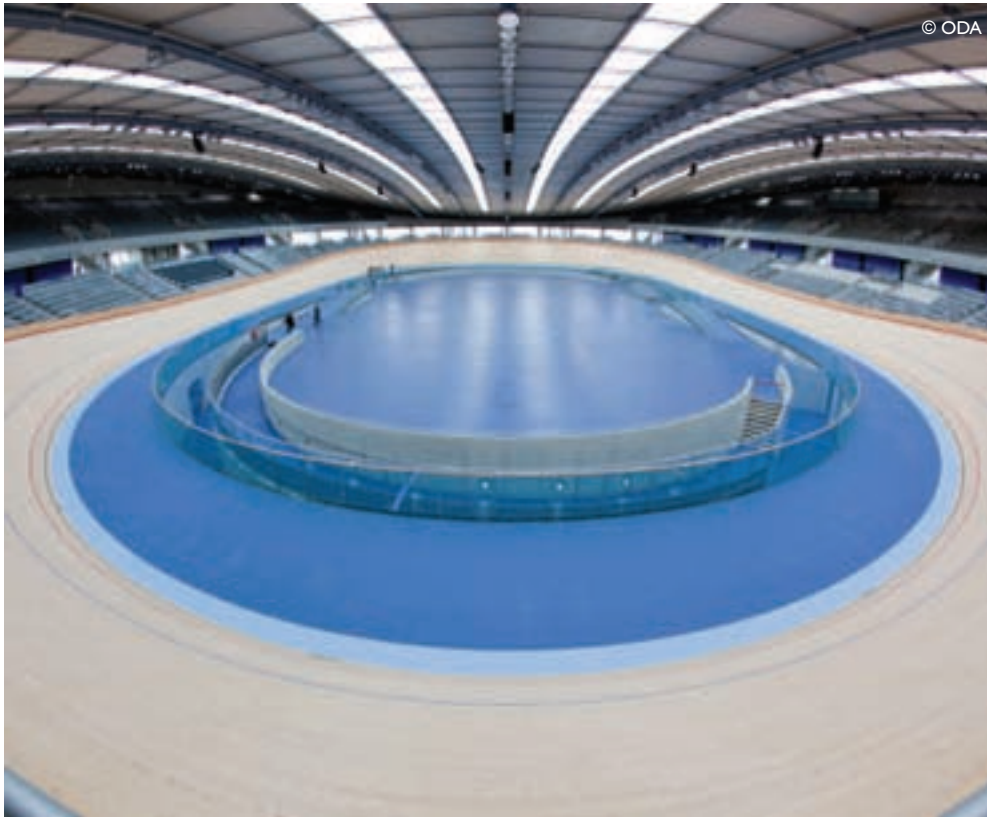
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enq.153



The Olympic Velodrome's 250m FSC certified Siberian Pine track

timber can devalue forests and encourage rampant deforestation and slash and burn practices. However, taking care of forests and paying for good wood from fair forests can help make the forests worth more alive than dead and preserve them for future generations. Wood, apart from being aesthetically pleasing, has many excellent construction properties, and wood from sustainably managed forests can be better than carbon neutral.

Last year, Wood for Good launched its Wood First campaign, calling for the introduction of a 'wood first' rule in local authority planning guidance. This would require sustainably sourced wood to be considered, where feasible, as the primary construction material in all new-build and refurbishment projects. In stating his support for the campaign, Charles Thwaites, executive director of FSC UK underlined the organisation's belief that timber, "when sourced from forests managed and certified to our exacting standards, can be regarded as one of the world's most sustainable materials".

Using FSC certified timber also helps to achieve top ratings under BREEAM and other such schemes. The Government's Central Point of Expertise on Timber Procurement (CPET) has stated that FSC certified timber meets its criteria for both legality and sustainability, of vital importance in public sector contracts. Then there's the EUTR, which came into effect in March this year; while certification is not accepted as

automatic proof of compliance with EUTR, forest certification schemes can play a major role in establishing a 'negligible' risk of illegal timber in the supply chain and are an important consideration in risk assessment and mitigation. Purchasing certified timber or timber products with all their associated documentation, together with evidence on species and country of harvest, is commonly seen as one of the most straightforward routes to mitigate risks as an operator under the regulation.

There are a wide variety of FSC certified timber species available in the UK – woods from around the world from home-grown Sitka Spruce to exotic Massaranduba. With over 170 million hectares of FSC certified forests around the world, supplies of certified timber and building materials are increasing all the time. Timber may or may not physically carry the FSC trademarks. Your proof that contractors have actually purchased FSC certified timber products, as specified, is the invoice of the supplier, which should clearly state that FSC certified products were supplied and identify them on the invoice. There should also be a code, specific to the supplier that refers to their FSC chain of custody certification (XXX-COC-#####). The validity of certificates can be checked on the international certificate database at <http://info.fsc.org/>. Information on specifying and verifying FSC timber and gaining company or project certification is available via the FSC UK website at www.fsc-uk.org

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Helifix confirms CE Marking compliance



Helical wall ties, fixings and masonry reinforcement specialist, **Helifix**, is pleased to confirm it has completed all CE marking requirements for its new build and masonry repair products. CE-marked Helifix products include the stainless steel new build wall ties TimTie, TurboTie and StarTie, plus the versatile remedial tying and pinning system DryFix, the

multi-purpose fully grouted CemTie and the widely used structural reinforcement and crack stitching bar HeliBar. Helifix's compliance follows an extensive programme of independent product testing, at approved facilities in the UK and Germany, in line with the demands of the European Standard EN 845-1 Specification for ancillary components for masonry.

enq.156

Vandersanden launches water struck bricks



Vandersanden Group has launched a new range of high quality water struck bricks for the UK market, uniquely coloured using an engobing technique. The water struck brick manufacturing technique dates back to the 17th century and involves using water to lubricate the moulds creating a finish smoother than when conventionally lining moulds with sand. Vandersanden Group introduced the multi-use brick in several European countries in March where sales are said to be doing very well. The brick is available

in 50mm and 65mm sizes and comes in fifteen different colours ranging from white, pale grey, orange and red to dark grey hues.

enq.158



Importance of sustainable bricks and cladding

Sustainability is a critical element in building these days and already we have seen new Energy Performance Certificates, for large commercial buildings as well as housing. As the BRE's Green Guide makes clear, sustainability is not just about the use of carbon-free materials. Nor is it just about the embodied energy accrued in its production and delivery from 'cradle to gate'. It is about the total energy consumption of a product – including that used to maintain it, once it's part of a building, and the fate of 'end-of-life' material. Continuing to demonstrate its long-term commitment to sustainability as was one of the first UK industrial sectors to publish its sustainability policy, the **BDA** produced its initial Sustainability Strategy Progress Report 2012. As a result of collating ten years of data summarised in this report, the BDA in 2013, reviewed all existing KPI's and updated them as necessary in accordance with emerging UK Government Guidelines.

020 7323 7030 www.brick.org.uk

enq.160

Portlaoise education campus



The **A. Proctor Group** has supplied Procheck Premier 500 to three large separate schools on the one site at Portlaoise Education Campus, Ireland. Procheck Premier 500 is a strong reinforced polyethylene vapour control layer with good vapour resistance, giving the installers peace of mind. Ed Cronnelly, owner and managing director of the specialist

roof installation company, Bidcon Construction Ltd, expressed delight that their weathering of the building and their overall work on the project was completed ahead of schedule thanks to the 'temporary weathering allowed by using the hard wearing and trafficable Procheck Premier 500'.

01250 872261 www.proctorgroup.com

enq.157

Ancon completes CE Marking

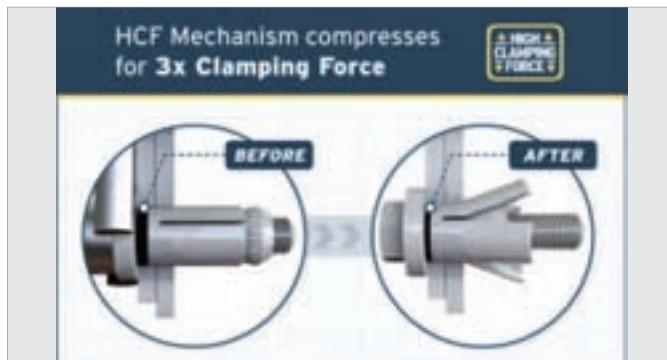


Stainless steel fixings specialist, **Ancon**, has completed the CE Marking requirements for its full range of brick support systems, windposts, cavity wall ties, bed joint reinforcement, lintels and tension bar systems. Ancon has published a new 12-page guide explaining this new regulation and identifying which products it affects.

A CE mark is now standard on Ancon masonry support systems, windposts and other fabricated structural steel components manufactured to BS EN 1090-1 and designed to EN 1993 Eurocode 3. The mark also appears on standard wall ties, lintels and bed joint reinforcement manufactured to BS EN 845.

0114 2755224 www.ancon.co.uk

enq.159



High Clamping Force Hollo-Bolt

Lindapter has launched its Hollo-Bolt High Clamping Force (HCF): an enhanced version of its original expansion bolt for steel hollow section, optimised for structural joints. The Hollo-Bolt HCF is available as standard in the largest Hollo-Bolt sizes and features Lindapter's patented HCF mechanism that produces a typical clamping force over three times higher than the same sized product without the mechanism. The increased clamping force results in a more secure connection, as a greater force has to be overcome before movement in the joint begins. The CE marked Hollo-Bolt (HCF) is recognised as a primary structural connection by the BCSC/SCI and is therefore ideal for heavy duty architectural connections, from securing glass and glazing spider brackets to supporting hollow section to fastening pre-cast concrete cladding brackets to SHS. The enhanced Hollo-Bolt was used in splice connections of hollow section framed roofing of the Kimmel Center for Performing Arts in Philadelphia.

01274 521444 www.hollo-bolt.com

enq.161

RMIG helps create a new image for Norwegian university

A new £30 million education development in Bergen, Norway is using more than 2,000m² of aluminium cladding from RMIG, which incorporates thousands of precision perforations to create a series of distinctive images on the building's exterior.

Developed on a site previously owned by Norwegian State Railways, the new Bergen University College building on Kronstad Campus brings together five separate listed buildings into a single educational facility that will house around 7,000 students when it opens in late 2014.

The overall architecture and facilities incorporated within this 51,000 sq m project were created jointly by HLM Arkitekter and Leigland Bygg in Norway and Cubo Arkitekter in Denmark. The perforated aluminium façade was designed by Norwegian artist and Bergen University College Masters graduate,



Anne-Gry Løland, who won the commission against three other artists.

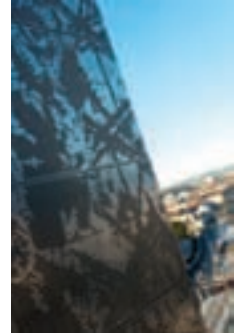
The patterns and images used for the façade follow a 'knowledge and education' design theme, which merge figures and detailed drawings in a layered effect to create contrast while also providing a dynamic effect as lighting changes during the day.

To ensure the artist's creative designs were captured accurately, RMIG used a unique scanning and mapping process to convert the artwork into 32

different perforation patterns that could be programmed and manufactured to the high precision standards demanded by Anne-Gry Løland.

As with all RMIG architectural projects, the production process was managed under the company's 'City-Emotion' programme, which was created specifically to support architects and contractors who require high quality perforated and expanded metal products. All RMIG products are manufactured using the latest innovative technologies and can form a key part of the most exciting building projects.

The final panels, which measured 3,584mm x 798mm, were manufactured from 3mm thick untreated aluminium sheets and used circular perforations, ranging from 9mm to 13mm in diameter, to create the virtually photographic quality images that provide the building with its unique exterior.



enq.162

01925 839 600
info.uk@rmig.com
www.rmig.com

Sika supports young apprentices



Sika Limited, global provider of construction solutions, has supported a new initiative to help provide apprenticeships for young people in Lambeth. The company has donated 1,500 hi-vis vests to the scheme, as well as provided free of charge materials to help complete the regeneration of Stockwell Community Centre.

The relationship between Sika and Build-it first came about when George Clarke, from Channel 4's *Restoration Man* and Build-it Programme Ambassador, tweeted a request for companies to help provide PPE for the 1,500 young people involved in the programme. Sika came to the rescue with hi-vis vests for the whole team.

01707 394444 www.sika.co.uk

enq.163

Marley Eternit Equitone



EQUITONE [natura] architectural fibre cement façade material from Marley Eternit has been used to clad the sports hall of the £28 million, BREEAM Very Good Sir Robert Woodard Academy in West Sussex. EQUITONE [natura] provided the hall with a decorative, tactile, smooth surface that allows the natural variegation of the fibre cement finish to

be seen through the semi-translucent coating, providing an aesthetically pleasing and practical finish. EQUITONE [natura] was specified by Architecture PLB to break up the large mass of the sports hall at the southern end of the building. EQUITONE [natura] was used along the two main flank walls of the large six-court sports hall and covers the majority of the west facing elevation.

enq.164

SST's EU test lab dedicated to visionary



Simpson Strong-Tie has renamed its ISO17025 accredited world class EU testing facility in honour of the man who was responsible for the growth of the company in Europe. The purpose built testing site, which was opened in 2009 and conducts around 5,000 product tests each year, was recently renamed 'The Andris Peterson EU Test Laboratory' at a special ceremony attended by European branch managers and technical engineers.

Ian Harrison, SST's European technical director said: "When Andris Peterson came to the UK to launch Simpson Strong-Tie operations in Europe he was the only employee. Over a number of years he made many acquisitions in the UK, Germany, France and Denmark."

01827 155600 www.strongtie.co.uk

enq.165

Axter at the NBS National BIM library



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. With BIM level 2 mandatory on all government projects by 2016, many

designers, specifiers and main contractors are already utilising BIM. Axter BIM objects include their most widely specified systems – WILOTEK-PLUS® structural waterproofing, ALPAFLORE green roofs, EXCEL warm roof constructions and ECOFLEX single ply.

01473 724056 www.axter.co.uk

enq.166

Schueco Jansen façade system gains approval



According to **Schueco Jansen**, its VISS SG structural glazing façade system, introduced into the UK last year, has just been given European Technical Approval (ETA-13/0015). The rigorous ETA testing process means that architects and contractors can now be even more confident

about the fitness for purpose of this structurally robust, highly insulated steel façade system. The contemporary sought-after 'all-glass' appearance of a VISS SG Façade is achieved through a special toggle and channel system, which holds the glazed unit in place mechanically, without the need for the traditional mullion/transom pressure plate and cover cap profiles.

01908 282111 www.schueco.co.uk

enq.167

Trespa develops environmental credentials



Trespa has a long track record as a leading innovator in the field of architectural materials and has a strong commitment to sustainability. The company works closely with architects, designers, installers, distributors and end users to ensure all its products not only meet the requirements of

each individual project, but also maintain Trespa's credentials as an environmentally aware manufacturer. Trespa's policy "Do No Harm, Do Good, Do Better" is used to measure the impact on the environment throughout the life cycle of the product. Now Trespa has received the Environmental Profile Certificate from BBA for its Trespa® Meteon® FR and Trespa® Meteon® Standard product range.

01952 290707 www.trespa.co.uk

enq.169

Sample packs of NedZink's zinc finishes



Sample packs of NedZink's Naturel, Nova and Noir zinc finishes are now available to specifiers and contractors from **SIG Zinc & Copper**. The packs are designed to highlight top quality ranges made to EN 988 that are exclusive to the SIG national supply chain. They are suitable for roofing and façade applications, gutters, rainwater and drainage

elements. SIG Zinc & Copper offers a new, cost effective way to zinc a roof, reducing waste and conserving design and installation time. These titanium zinc products are being coil supplied and fabricated in the UK to bespoke specific requirements by Steadman & Sons and Metal Solutions.

enq.168

Educational copper




Dudley College's aspiration for a bold contemporary building which respects its historic town centre context is realised with completion of Dudley Evolve, characterised by horizontal copper panels from **Aurubis Architectural**. In addition to Nordic Standard mill finish copper, Aurubis Architectural, supplied panels in Nordic Brown and Nordic Brown Light, both pre-oxidised at its factory to give straight-away the same oxidised surface that otherwise devel-

ops over time in the environment. The thickness of the oxide layer determines its colour: either Nordic Brown Light or the darker Nordic Brown.


01875 812 144 www.aurubis.com/finland/architectural

enq.170



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Ascent™ an advance in wall envelope design

The Ascent™ product portfolio provides the means to create modern stylish façades with one common element, at their heart, a **Eurobond** non-combustible cored architectural panel system. This unique solution combines ease and speed of installation to create a weathertight building envelope early on in the build programme with unparalleled design flexibility. Rainspan™ sits within this portfolio and is the perfect structural support for Eurobond's wide range of partner façade systems. From metallic, to traditional brick or terracotta tile to engineered timber solutions, Rainspan™ combines aesthetics, functionality and performance to offer the complete façade solution. Installation of all Rainspan™ systems is fast and easy and the long span capability can reduce secondary steelwork requirements and build costs. Rainspan™ also delivers low environmental impact by virtue of a high recycled material content, full recyclability and promotes energy efficiency.

02920 776677 www.eb-ascent.co.uk

enq.172

Levolux stands out in Stafford



Students at Stafford College are settling into a 'cool' new £14 million Riverbank Building which has been expertly designed to provide a comfortable environment whatever the weather. Among the features incorporated to improve comfort and promote energy efficiency throughout the new building is an external Solar Shading solution from **Levolux**. As the UK's leading Solar Shading specialist, Levolux was invited to develop a

custom solution to be applied to the south-west facing elevation of the curtain walled element. This was needed not only to create an interesting external aesthetic but also to combat the risk of excessive solar heat gain.

enq.173

Danpalon vented rainscreen system



Danpalon: Free your creativity with a versatile solution that combines lightness; weatherproof protection and multiple aesthetic options, ideal for all rainscreen requirements. The system offers lightweight cladding materials ideal for new build and refurbishment projects. Available in a wide range of colours, choose translucent panels (perhaps combined with backlighting), or maybe the new opaque range offering a whole new world of 'solid' colour, with the additional ability to specify recycled materials, without compromising on the 'quality and lightness of the materials'.

01858 468323 www.danpalon.co.uk

enq.174

Relcross LCN Auto Equalizers aid democracy at Aylesbury Vale



The doors of Aylesbury Vale's Council Chamber can be now opened and closed by **Relcross LCN Auto Equalizers**. Both entrances to the 'Oculus' at the Council's Gateway offices and conference centre in Aylesbury feature two pairs of double doors at either end of an entrance vestibule. All these doors have been fitted with Auto Equalizers controlled by wall mounted push pads that each open and close one pair of doors.

Additionally, two single doors that provide access to the toilet facilities adjacent to the main room have been similarly equipped. Many standard door closers could not be fitted to doors of this size or could not cope with the fire specifications. Roger Hudman of installer Rowsman Ltd suggested the pneumatic powered Relcross system as he has had considerable success with it before.

The system has three main components. Firstly the door operator, secondly, a separate controller for each system (or group of doors) and thirdly the air compressor, carefully selected to accommodate the likely traffic profile. The Relcross Auto Equalizer has been independently tested to over three million full load cycles.

01380 729600 www.relcross.co.uk

enq.175

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enq.176

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enq.177

SWA member raises the curtain



A London based member of the **Steel Window Association** has been involved in a steel window replacement contract for a theatre in the city's East End, which has not only helped maintain the authenticity of the building's architecture, but also significantly reduced energy loss through the openings. The contract for the Arcola Theatre in Ashwin Street, Dalston, was carried out direct by Govette Windows, with the company producing a total of 50 replacements some of

which measured up to two metres wide by 5.1 metres high. All were produced using W20 sections, finished in a RAL 6005 matt green polyester powder coating, while the soft coat, low-E inner leaf and Krypton gas filling to the 16 mm IG units achieves a centre pane U-value of 1.1 W/m²K.

enq.114

Carl F Groupco confirms bi-fold boom



Carl F Groupco, the established distributor of fittings to the window and door industries, reports growth in demand for hardware designed to support the bi-fold door market. A flagship product for this market is the T-Fold folding sliding door kit – a fully inclusive solution for bi-fold doors available exclusively from Carl F Groupco.

Manufactured in the UK, the T-Fold is understood

to be the first complete hardware 'kit in a box' designed specifically for timber bi-fold doors. A key benefit of the T-Fold is major simplification of the ordering and assembly process. With add on packages for additional door leaves, rapid product sourcing is enabled and a harmonised solution is provided.

enq.179

Style and strength for steel windows

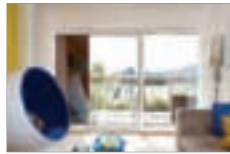


Many specifications and orders received by members of the **Steel Window Association (SWA)** are prompted by a project's need for strength and security – physical characteristics where steel frames are unmatched among fenestration solutions – yet there are countless others

where the client has been attracted by the distinctive sightlines and an appearance that is synonymous with certain architectural styles. Indeed steel window frames are integral to the Art Deco era properties when designers rarely detailed any alternative fenestration option. The manufacturers that the Steel Window Association represents are able to finish their frames in the full range of RAL colours, though they can also look stunning in their raw galvanised coating.

enq.178

Rehau window and door systems chosen



Sixty eight new build apartments at the prestigious Port Marine development in Portishead, Bristol feature windows, doors and curtain walling fabricated by Solar Windows using **REHAU's** PVC-U and composite systems. Developers Crest Nicholson specified the highly regarded **REHAU**

systems on the basis of their quality, performance and aesthetics. Solar has fabricated and installed a mix of casement and tilt and turn windows in the **REHAU TOTAL70** system, sliding patio doors in **REHAU's S717** system and composite curtain walling in the **REHAU Polytec 50s** system, all of which have been coloured grey on the exterior and white on the interior.

01989 762600 www.rehau.co.uk

enq.180

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enq.182



Project: Octavia Residents
Photography: Richard Brine
Graphic Design: Studio Blup

greenteQ Doctor & Pony Tail door knockers

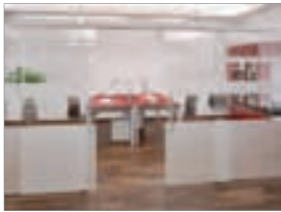


Following the success of the greenteQ Kappa Slim and Classic Urn door knockers, VBH will add to the range with this summer's launch of the Doctor and Pony Tail styles. Both are hugely popular on traditional period properties, where timber doors were personalised by

a huge choice of furniture styles from local ironmongers. Doctor and Pony Tail allow modern door manufacturers to offer their customers increased personalisation through a wider choice of greenteQ knocker styles. The Doctor knocker features the flamboyant flowing lines often chosen by the Victorian professional classes. The Pony Tail knocker offers a more compact and subtle design that provides homeowners with another attractive alternative.

enq.184

Smaller, smarter Levolan



Compact and modular, the brand new Levolan 60 manual sliding door system for interior use with Smart fix is coming to the UK this summer, and is already a hit with European designers. GEZE UK's Levolan 60 has been developed specifically for lighter doors of 60kg or less, using small fittings integrated into an extremely slim 50mm-

high runner and entirely hidden from view. Suitable for wood, glass or metal door leaves, this latest addition to the Levolan range is small, stylish and simple to install. Also available with GEZE's special damping system, Levolan 60 SoftStop is one of the safest systems of its kind on the market.

enq.186

GEZE UK's new product guide is here



An updated product guide and price list is now available on request, ensuring architects, architectural ironmongers and specifiers have details of the very latest products at their fingertips. Featuring all the latest additions to GEZE UK's range of door closers, window control systems, sliding door fittings, RWA smoke and heat extraction systems, the Product Guide 2013 includes the compact and modular Levolan 60 sliding door system, which

launches this month. With detailed product information to help specifiers and architectural ironmongers select the most effective product for their needs, the illustrated technical guide replaces the contents of GEZE UK's existing stylish binder and is available electronically or as hard copy.

enq.185

Kawneer's AA®540 window range



Kawneer has further enhanced its AA®540 window range, which combines value for money with a BRE Green Guide "A" rated frame*1, with a high-performance swing door. The AA®545 door uses the same multi-chamber thermal break core as the AA®541 casement, AA®542 pivot and AA®543 tiltturn windows in the range. This technology ensures thermal efficiency (Uw values down to 1.29 W/m²K using 0.6 W/m²K glazing)*2 and full compliance with Document

L. Designed for direct fix into prepared openings and within ribbon windows, the door suites with Kawneer's AA®540 window range, AA®100 and AA®110 curtain walling, 451PT framing and door systems to give specifiers and architects even more flexibility for new-build and refurbishment projects.

enq.187

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enq.188

Specifying glass roof lights

By Jeremy Dunn, technical director of Glazing Vision

Specifying a glass roof light can be a daunting proposition, especially when tasked with this for the first time. Even many experienced in specifying have tried and struggled in the past with so many considerations to take into account, ranging from aesthetics and functionality to safety and regulation compliance.

Function

A roof light can perform many functions and will often be multi-functional. For instance, an opening roof light to provide natural ventilation may also be able to open right up to also provide maintenance access to a roof. A glazed smoke vent may also be suitable to provide natural day to day ventilation. A roof light designed for roof terrace access may also be able to be used as a fire exit. It is therefore important to think carefully about how you wish to use, and consequently specify, the glass system. A roof light can be for much more than to cover a hole in the roof to admit daylight and can add significant value on top of just providing natural daylight.

Safety

There are a number of safety considerations to take into account with regard to both the type of glass you specify and the method of opening the roof light, if it is not fixed. These will be very much dictated by function. If the area is a roof terrace, or the roof light is at ground level allowing light into a basement, then the glass will have to be designed to be walk-on unless the roof light is going to be protected by balustrading. If it is intended to be walked on then it will need to be designed to carry the full floor loads of the rest of the floor in that area.

Glass when wet can be very slippery so some form of slip resistant surface is worth considering. A sandblasted top face or a screen print incorporating grit in the ceramic ink can provide slip resistance, giving a UKSRG rating of moderate/low for slip potential, as well as providing obscurity to the glazing.

Any electrically powered rooflight being used for roof access should have as standard safety features built in to prevent entrapment and possible injury whilst the rooflight is closing.

Opening roof lights

An opening roof light on a roof terrace has many more considerations, the first of which is planning height restrictions and protection of the hole when the roof light is open. A sliding box style roof light will ensure that the only opening is at the top of the stairs while the fixed sides act as a balustrade to protect the opening. Where planning restrictions mean that a flat roof light is the only option, a much bigger opening in the roof is generally required with the consequent loss of roof terrace space to ensure sufficient headroom as you ascend the stairs. This option also requires a balustrade around the roof light. A hinged roof light overcomes some of these issues, as it does not require the space to slide into and thus is more economic on the space requirements and the open lid can act as a balustrade on one side.



© RB Photo - Romain BIND

Glass & glazing

All overhead glazing needs to be a safety glass, either toughened, laminated or wired glass. It is common practice to have the inner pane as a laminated glass but BS516-2 allows a toughened inner pane of no more than 6mm thickness where the glazing is up to 5m above the floor and between 5m and 13m above the floor where the pane size is no greater than 3m². Larger pane sizes can be achieved with a toughened inner pane than an annealed laminate inner pane for the same thickness and weight. It also avoids the risk of thermal heat stress breakage that can be a problem with annealed glass. Laminated glass should always be used above water where small pieces of glass may be difficult to locate and remove. Where safety on the roof and risks associated with fragile roofs is a concern, the CWCT TN66 document provides good guidance and defines Class 0, 1, 2 & 3 roofs. Once you decide what classification you need your roof to be it is easy to specify any appropriate testing and performance requirements. CWCT TN67 sets out the testing regime but this is very onerous for smaller roof light projects with only small areas of glazing and so the recent publication TN92 aims to address this by providing some 'deemed to satisfy' criteria for class 2 roofs to help avoid expensive testing.

Continued on page 45...

'A roof light can be for much more than to cover a hole in the roof to admit daylight and can add significant value'

Jeremy Dunn



Metrotile official Velux supplier



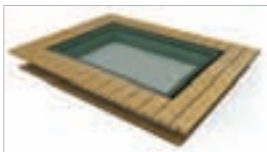
Metrotile lightweight roofing is a durable roofing solution that is suitable for any building project and offers many security and environmental benefits that outweigh those of traditional roofing tiles, such as clay or slate. Metrotile is versatile enough to feature a full range of bespoke accessories, including an inte-

grated Photovoltaic System. In addition, Metrotile is an official Velux roof light dealer, supplying Velux windows to install with your Future Proof Roof. The company also supplies Velux's innovative Sun Tunnel, for illuminating the usually darker areas of your home with natural light.

01249 658514 www.metrotile.co.uk

enq.189

Xtralite's new 'Walk-On' rooflight



Xtralite Rooflights has boosted its product range with the introduction of its revolutionary 'Walk-On' rooflight. Xtralite's 'Walk-On' rooflight allows for foot traffic on areas such as terraces and roof gardens – or ground floor areas over basement rooms – while enabling natural

daylight to reach the rooms beneath. The state-of-the-art rooflight has been designed in such a way that adjacent decking or slabbing can be set level and aligned with the top face of the rooflight unit, creating smooth flat leisure areas. As with all Xtralite products, the 'Walk-On' Rooflight is custom designed, detailed and manufactured for each individual application. The units, which are set to minimal fall to prevent water ponding, are available in rectangular, square or round glazing.

enq.190

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newsletter

Emailed on a fortnightly basis the Architects Datafile newsletter is designed to provide the architect with the latest information on products and services of interest, direct to their inbox. The reader can quickly gather a snapshot of information from 12 carefully selected companies and easily follow links through to further information on the www.adfonline.eu, or go direct to the company's own website. Brochures and videos are also regularly available.

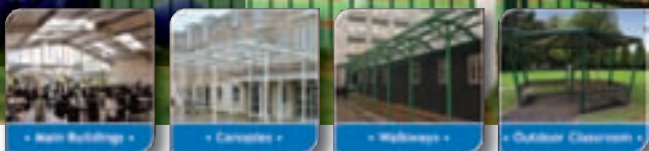
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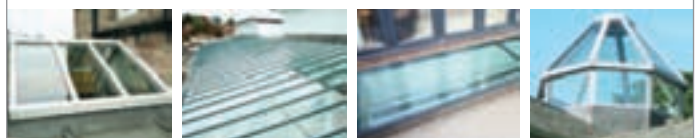
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enq.192

Thermal performance & U-values

Thermal performance and U-values can be confusing and care needs to be taken when comparing different manufacturers' data, checking it for compliance with building regulations and entering data into SAP and sBEM. Centre pane U-value takes no account of the frame design. The trouble with this is that the overall U-value varies with roof light size and there is no 'standard roof light' for providing comparative performance data like there is for windows. The overall U-value for the roof light is based on the structural opening area in the roof and this is used in SAP calculations, however, there is also the U-value for the developed area of the roof light U_d and this figure is used to confirm compliance with the

backstop U-values specified by the building regulations. Further information on this is available in document NTD2 (2010), published by the National Association of Roof light Manufacturers (NARM). An added complication to U-values for roof lights is that the Building Regulations specify performance figures for roof lights based on the vertical plane so a conversion needs to be carried out to calculate the actual U-value for the installation orientation, this information is available in BRE document BR443. It is therefore very important to establish what U-value you are being quoted by your supplier and make sure you are comparing like for like data when researching different manufacturers products.

CE marking

With the Construction Product Regulations replacing the Construction Products Directive this year the requirement to CE mark products covered by a relevant harmonised European Standard or ETAG takes effect. Where roof lights are concerned there is no harmonised standard for glass roof lights. There are various standards that cover plastic roof lights and EN14351 that covers doors and windows includes roof windows for sloped roofs. A roof window has been defined by the industry as:

A Roof Window (as distinct from a roof light) is a window which comprises an individual window style frame glazed with a single

insulating glass unit characteristic of windows installed in walls with regard to function, cleaning, maintenance and durability; is installed in the same orientation and in-plane with the surrounding roof at a minimum of 15 degrees pitch, weathered into the roof with an individual skirt or flashing.

Thus a roof window does need to be CE marked but not a glass rooflight unless it performs some other function covered by a relevant standard such as a smoke vent which would come under EN12101-2 and would therefore also need to be CE marked.

Electrically operated roof lights

Electrically operated roof lights come in many configurations depending on the method of opening as well as the functionality required. The better control systems should be flexible enough to be able to be adapted to suit the application. Typical types of options might be rain sensors, remote controls and temperature and wind sensors. If a roof light is being used for access to a roof terrace and a rain sensor is fitted, consideration needs to be given to how the roof light can be opened again to prevent people being trapped on the roof if the rain sensor closes it automatically while

at the same time ensuring security is maintained. Links to building management systems are also commonly required and it can be beneficial to not only have open and close control but also a status feedback so the system knows if the roof light is open or closed, which can also be useful for security systems. On larger installations such as a school you may want to link all the roof lights together to be timed to close outside school hours and provide a centralised control for the school caretaker to ensure all the roof lights are closed at the end of the day.

Factory assembled

There is no doubt that the build quality of a building component is superior when assembled in a factory. It is also less expensive for the manufacturer and is not susceptible to the vagaries of the British weather. Therefore it is sensible to source roof lights that come to site as a fully factory finished item including glazing where practical. Site constraints don't always allow this, particularly where there is

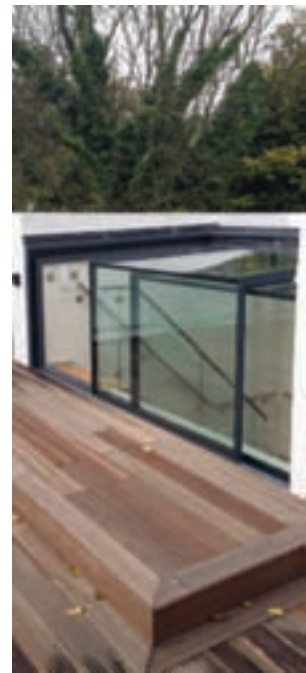
difficult access. A crane will usually be required with a fully factory assembled roof light and the method of lifting, in some cases a specialist lifting frame, needs to be provided by the manufacturer. Apart from the build quality the other enormous benefit to the client is the speed with which the building can be made watertight with large areas of glazing being able to be installed in a day.

Weather performance

The weather performance of a roof light is dependent on the design and build quality of the product itself but most problems are often due to poor design or weathering of the upstand to which the roof light fits. It is always best practice for the upstand to be at least 150mm above the weathered roof surface with the specific dimensions and details to suit your chosen roof light, the manufacturer should be able to provide you with drawings that show their requirements. Another common design flaw is where steelwork is used within the upstand to provide the structural support and it creates a cold bridge or where the roof cladding system is metal and

it is lapped over the top of the upstand and it ends up bridging the thermal break in the roof light framework. For peace of mind with regard to performance there is no substitute for independent testing so ask for evidence such as BBA Certification to underpin the claims being made.

There is potential to get it very wrong but delivering a good quality, reliable, high performing rooflight solution for your client should be straight forward if you follow some basic guidance giving careful consideration to all the issues discussed above in your specification and sourcing of products and suppliers.



'Information on roof light U-values is available in document NTD2 (2010), published by the National Association of Roof light Manufacturers (NARM)'

Jeremy Dunn



enq.193



Kemper helps to create 19th golf green

Kemper System's Kemperol V210 waterproofing membrane has played an important role in the development of a new sustainable club house at Richmond Park Golf Club. The new facilities incorporate a number of green technologies in order to achieve a BREEAM rating of excellent. Distinctively shaped like a bird in flight, the roof of the new club house has been designed to complement the building's surroundings and maximise its thermal efficiency. The building boasts a green roof over a warm roof build-up, which uses acid turf from the Royal Park at Richmond allowing the gently sloping building to blend into the rolling landscape of the course. Gary Millsom of roofing contractor, Garhigh, said, "In order to ensure the roof remained watertight, Kemper System's seamless liquid waterproofing system Kemperol V210 was selected for its FLL certified root-resistant properties, durability and proven performance in green roof developments."

019 254 45532 www.kempersystem.co.uk

enq.194

New SGGUK website's eye-pleasing form



Saint-Gobain Glass UK Ltd has redeveloped its website to provide a fresh, exciting and easy to use experience. The site has been evolved in direct response to customer feedback. With a fundamental challenge to improve the experience of all groups using the website, whether homeowners or professional specifiers, SGGUK has ensured its new website enjoys a cleaner, crisper appearance and

improved navigation – which for example allows the highlighting of sub headings within specific sections simply by hovering the mouse over any information required, ensuring that any references required by the user can be found quickly and easily. The site is also segmented by sector.

enq.195

High praise for Yeoman Rainguard



Yeoman Rainguard has been praised for its products and advice during the replacement of old worn out cast iron guttering and hoppers at St Nicholas' Church, Kenilworth, which dates back to 1185 and is a Grade 1 listed building. Yeoman Rainguard has been providing quality Rainwater Systems for over 30 years and offers a comprehensive choice of stylish, cost effective, low maintenance products including

Aluminum; GRP; Cast Iron; Copper; Zinc and Stainless Steel. Keith Grierson said: "Tim Hanks and the Rainguard team were very professional and helpful and we were very pleased with the quality of the materials and the advice and service provided by Rainguard, all at competitive prices."

enq.196



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enq.197

Steadmans' products achieve CE Mark



Customers of **Steadmans** have further reassurance about the company's output after its cladding profiles and panels met the requirements for CE marking. The accreditation – applying to Steadmans' single skin cladding profile range, which features six differing profiles to suit every application, plus its AS 35 composite panels – testifies to their properties and performance, confirming they have been manufactured, tested and assessed to European standards. Construction products covered by a harmonised technical specification, either a harmonised European Standard or a European Technical Assessment, have had to be CE marked since July 1. This is required by the Construction Products Regulation, which has become European law and adopted by all member states.

enq.198

BLUCHER roof drain wins best product



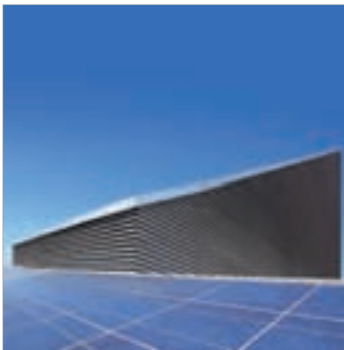
Beating off competition from some of the major players in the roofing industry, **BLUCHER** has been awarded "best product in show 2013" for their stainless steel roof outlet. The BLUCHER roof drain was a big hit with the judging panel for Roofex 2013, who commented that the drain was both innovative and a unique addition to the roofing products market. BLUCHER roof drains are manufactured from stainless steel and are a real light-weight low cost alternative to traditional plastic and

other metallic rainwater outlets. They can also offer some significant advantages over the competition.

01937 838 000 www.blucher.co.uk

enq.199

RENSON® Linius® type L.050W weather louvre



The new **RENSON® Linius® L.050W** high performance weather louvre allows architects and constructors to create aesthetically elegant louvre façades with excellent weather protection and still allowing excellent ventilation. This HEVAC tested louvre system achieves class A2 with intake suction velocities up to 3.0 m/s as well as a free area of 57 per cent. This means a low resistance louvre with exceptional water protection performance.

The system is easy to install and integrate with other façade elements. It is available in both continuous louvre and panel form. For places in the façade where the water-resistance is not so vital, **RENSON®** has developed the Linius® L.050WS, a cost effective blade that architecturally matches the L.050W. **RENSON®** also provides a range of structural mullions and fixing options, therefore reducing the need for structural steelwork.

This system can be provided in a variety of finishes, including anodising or polyester powder coating. These solutions provide architects and constructors with a new opportunity to create aesthetic and functional façades. Typical applications are electricity plants, data centres and IT-applications.

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EPIC at the front of electronic CE Marking



Most manufacturers have geared up for the arrival of mandatory CE Marking in July this year, but members of EPIC, the industry voice for insulated panel manufacturers, is leading the way in adopting an innovative approach to this latest EU regulatory requirement in the shape of Electronic CE Marking.

All EPIC manufacturing members have embraced the scheme, and once the systems are in place their products will feature the approved abbreviated CE Mark label with a direct link to the relevant DoP, simplifying the whole process, removing the necessity for contractors and building owners to maintain excessive paperwork.

020 8786 3619 www.epic.uk.com

enq.203

Get the VIP treatment with OPTIM-P



Kingspan Insulation has published two brochures for its new OPTIM-R Roofing and OPTIM-R Flooring Systems, detailing how the next generation vacuum technology can be used to achieve the thinnest possible roof and floor build-ups. With an aged design value thermal conductivity of just 0.007 W/m.K, Kingspan OPTIM-R Vacuum Insulation Panels (VIPs) are ideal for applications where space is at a premium. Kingspan OPTIM-R is available in a range of sizes and thicknesses to accommodate

individual layouts and are accompanied with premium and high performance rigid thermoset insulation infill panels.

01544 387384 www.kingspaninsulation.co.uk/optim-r

enq.205



Minus 7 – the true hybrid energy harvester

The **Minus 7** hybrid energy harvesting system is a solar-assisted heat pump technology. The NCM (SAP) identifier for this product is Minus 7 SEP3G10 1/2/3. It is a renewable energy system made up of an endothermic roofing system, a solar energy processor and a large thermal store. The system uses an endothermic tile plank to form a weather-tight interlocking roofing system, made from a 2.5mm thick, uniform profile, aluminium extrusion, dressed in a powder-coated, hard-wearing finish. The endothermic tile planks are flooded with a heat transfer fluid, which absorbs heat energy and solar thermal energy. The system provides hot water and heating for buildings. It is designed to keep a five bed house at a comfortable temperature of at least 21°C even in the worst case scenario of mid-winter. However the system is capable of servicing up to three dwellings at once making it highly suitable for housing associations as well as commercial buildings.

01922 419405 www.minus7.co.uk

enq.207

Kingspan Tarec leads the way



Kingspan Tarec has once again raised the bar for pipe insulation design and performance with the launch of its Next Generation Kooltherm® Pipe Insulation solution, featuring passivated, impregnated liner technology, with an optional Theatre Black finish arriving shortly. The cutting edge

product is manufactured using Kingspan Tarec's unique continuous on-line production process, which creates minimal waste (less than five per cent for recycling) and cuts labour time when compared to less efficient conventional phenolic pipe insulation manufacturing. Its premium performance is further enhanced with the inclusion of a passivating foam additive and liner into the manufacturing process.

01457 890400 www.kingspantarec.com

enq.204

EcoTherm for new commercial development



EcoTherm's universal insulation solution, Eco-Versal, has been installed as part of two new Grade A office buildings at the Hermitage Court Business Centre in Barming. The new units were constructed by development owners the Gallagher Group and provide an additional 10,450 sq ft of

high quality office space. Sustainability was a key element of GDM Architect's design for the project with both buildings targeting a BREEAM Very Good rating. To help achieve this, Encon Insulation supplied EcoTherm Eco-Versal to be installed as part of the floor build-ups in both buildings.

01702 520166 www.ecotherm.co.uk

enq.206

BBA endorsement for insulation



Dow Building Solutions has been awarded BBA accreditation for its STYROFOAM ROOFMATE SL-A extruded polystyrene (XPS) insulation, designed for insulating inverted flat roofs. The inverted roof system was invented by Dow over 50 years ago, using STYROFOAM XPS as the insulation layer. Over

the years, ROOFMATE SL-A has earned its reputation as a reliable and durable insulation material for such systems, thanks to a set of properties not commonly found in one package. The product has high compressive strength and offers excellent moisture resistance thanks to its closed cell structure, resulting in low water pick-up over time despite rigorous conditions on exposed rooftops.

enq.208

BIM sparks fresh interest in Dryseal



Hambleside Danelaw's Dryseal GRP flat roofing system has been attracting international interest from architects and specifiers since the system's AutoCAD Revit building information modelling (BIM) components went live on the online BIM Store. Available on the Store are the various components that make up the Dryseal

system, different roof build-ups and details. The BIM box gutter detail is getting the most views while the full system is the most downloaded component. Hambleside believes that Dryseal is one of the first flat roofing systems to be available via BIM – another innovation from the British manufacturer.

01327 701 900 www.hambleside-danelaw.co.uk

enq.209

Kingspan a permanent exhibit at Jerwood



Kingspan Insulation's high performance Thermataper TT47 LPC/FM insulation was specified as part of the new £4 million, award winning Jerwood Gallery in Hastings. Situated among the unique Hastings net shops and on the edge of a working fishing beach.

Kingspan Thermataper TT47 LPC/FM

insulation was specified for the roof build up as the tapered insulated boards not only provided the required fall, but also delivered excellent U-values, and therefore formed an important part of the project's energy saving performance.

01544 387 384 www.kingspaninsulation.co.uk

enq.210

Xpelair puts users in control



Xpelair Ventilation Solutions has launched the ConneX range of RF (radio frequency) controls – the ideal command solution for the commercial and housing markets that puts users in complete control of their ventilation requirements. The battery-less ConneX controllers can be used with up to 10 units of the same size at a distance of 25 meters, something that is particularly important in large commercial

settings where multiple units will be crucial to attaining appropriate IAQ levels. This means that rather than adjusting units individually, multiple units throughout commercial premises or homes can be adjusted at the touch of a button.

0844 372 7750 www.xpelair.co.uk

enq.212

Fire surround



With its name reflecting the open space design for which it is renowned, the Agorafocus from Diligence International can be suspended from the ceiling of a room to radiate warmth through 360°. Suitable also for fixing on a pedestal base, Agorafocus is a spherical-like design with four curved glass windows that give complete sight-

ing of the fire from all parts of a room. Two of these pyro-ceramic panels are hinged for opening and inserting logs. There are two sizes of this fire – the 630 and 850 – these numbers denoting the diameter of the fires in mm. With the 630 model, the glass panels measure 280mm high, with the fire itself measuring 700mm from top to bottom. The 850 is 800mm from top to bottom, with each of the doors being 435mm high.

enq.211

Pivot Stove & Heating opening for business



Pivot Stove & Heating, founded in 1876 and a long established brand in Australia and New Zealand, is opening for business in the UK and unveiling its first showroom and national distribution hub in Macclesfield, Cheshire. Supplying integrated home heating and cooking solutions, Pivot will be showcasing the best sustainable, renewable fuels heating resources from around the world. Pivot's huge product range will include freestanding and inset stoves,

both wood burning and multi-fuel, plus a range of efficient boiler stoves and range cookers. Brands being stocked include Esse, Jetmaster and Pyroclassic, the cleanest, most efficient wood fire in New Zealand for 30 years.

03333 231270 www.pivotstove.co.uk

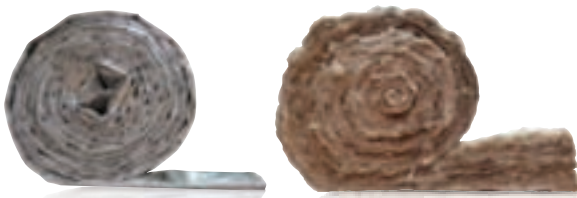
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SE Controls provides safe and comfortable environment for Staffordshire students

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A £30 million Science and Technology Centre at Staffordshire University's Stoke Campus is relying on a combined smoke and natural ventilation solution from SE Controls to create a comfortable and safe environment for staff and students.

Designed by architect Sheppard Robson and built by Miller Construction, the extensive facility is part of a £200 million flagship regeneration scheme, transforming education in the region with the development of the 'Uni-Q' university quarter.

Working closely with façade and access specialist Norking Aluminium, SE Controls was responsible for the supply, installation and commissioning of the smoke and natural ventilation solution to ensure the fully automated system met design specifications and legislation for air quality as well as smoke safety in the event of a fire.

SE Controls supplied 240 SCCO and TGCO type chain

actuators to the project, which were used in conjunction with 40 OS2 controllers to provide complete control over the vertical vents, louvres and atrium vents. In normal operating mode, the actuators and controllers ensure that carbon dioxide and temperature levels are managed effectively throughout the building to maintain a comfortable working environment using signals from the building management system. Night purging and cooling of the Science and Technology Centre is also handled automatically by the system.

In the event of a fire, the system operates in smoke ventilation mode to ensure that all corridors, escape routes and public areas are kept free from smoke to aid the rapid evacuation.

SE Controls' project manager, Darren Wainwright, explained: "Air quality is vitally important in educational buildings to ensure that carbon dioxide levels are managed effectively and temperatures are kept well within pre-defined limits."



enq.216

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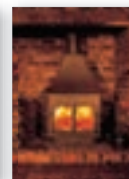


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enq.219

Bupa's winter air curtain cure



The versatility and aesthetics of the Rund air curtain from JS Air Curtains has cured BUPA's winter draught problems at the reception of its Health and Wellbeing UK offices in Staines. The attractive air curtain has been custom designed so it can be easily removed during the summer months when it isn't required. JS Air Curtains' solution was to vertically mount a 2.5m high, low temperature, hot water-heated Rund air curtain to the side of the entrance. The air curtain creates a warm air barrier across

the inner opening of the doorway. The Rund air curtain can be supplied in stainless steel or finished in any RAL colour. It can be fitted with many different mounting or suspension options to tie-in with an entrance's architecture. enq.220

ATAG Heating appoints field service engineer



ATAG Heating UK Ltd has appointed Nigel Gregson, as field service engineer. Nigel joins ATAG from heating and plumbing contractors, Frank Webb Ltd of Nottingham, where he was a gas engineer and supervisor for 35 years. Latterly he was also involved with training engineers at the company. He will be joining ATAG's growing team of field service engineers and will be responsible for servicing and maintenance work on all ATAG products, including the A Series, the Q Series and new XL Series of domestic and commercial boilers.

His work will also involve supporting ATAG's extensive network of Select Dealer service engineers. enq.221

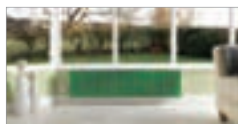
Domus installation proves IBD's expertise



IBD Distribution, the leading provider of sustainable energy efficient heating and ventilation solutions, has completed an installation of Polypipe Ventilation's Domus Radial Duct System at three properties in Ringwood. As part of a whole house air distribution system, Domus

offers an innovative method of connecting individual rooms to an air distribution box using a Ø75mm flexible semi-rigid duct. The Domus Radial Duct System was easy to install and provided IBD with a minimum 50 per cent labour saving on installation compared with traditional MVHR duct installations. It was ideal for these properties in Ringwood with its highly insulated, relatively compact timber frame construction and I-Beams. enq.222

EHC radiators available in bespoke colours



Sales of electric radiators in the UK heating market have increased dramatically over the past few years due to significant improvements in design and controllability. Previous types of electric heating were uncontrollable and inflexible

with the main complaint from homeowners being that heat to the property was unavailable when needed most. Electric heating products have been proven to be affordable to operate when on the correct electricity tariff however with the increasing popularity of installing Solar PV, electricity bills can be cut substantially. The Electric Heating Company (EHC) offers the complete range with a choice of thermostatic controls or time and temperature controls.

01698 820533 www.electric-heatingcompany.co.uk

enq.223

Sound solutions to unwanted noise

Ian Usher, technical and marketing manager at Knauf AMF Ceilings discusses the benefits of installing suspended ceilings to create a good acoustic environment

The Whispering Gallery in St Paul's Cathedral attracts around 50,000 tourists a year, many of whom visit to hear their hushed voices travel from one side of the 111m high dome to be heard clearly around the other side. This acoustic effect was an unintentional feature of the dome's design but has become an entertaining tourist attraction.

But not all acoustic effects in buildings are entertaining. In office buildings background noise can have a negative impact on staff performance. In schools the situation is even more critical, where poor acoustics can have a detrimental effect on student concentration, behaviour and academic achievement. So how do you control unwanted noise and effects of sound when designing a new building or refurbishing an existing space?

When endeavouring to design a good acoustic environment there are two main factors to be aware of: the ambient noise within the room and the reverberation time of the space.

Ambient noise can come from a number of sources including sound transferring from adjacent rooms or corridors, speech, mechanical equipment inside the space and noises coming in from outside. Sound insulation or attenuation prevents noise from outside disturbing those inside the building and is measured as a decibel (dB) value. The Bel is a unit of sound pressure – named after Alexander Bell. A decibel is 1/10 of a Bel. The highest performance dB rating a suspended ceiling alone would provide is in the region of 45dB. The dB rating is actually a minus figure; generally speaking, if the sound source measures 100dB in a room, by installing a 40dB ceiling tile, the sound heard in the adjacent room is 60dB.

Reverberation is the time, in seconds, required for reverberant sound in an enclosed space to reduce by 60dB of its original level after the source of the sound has ceased. Reverberation times can vary from half a second to up to eight seconds in a large room with hard walls, floors and ceiling surfaces. Acoustic

Continued overleaf..

'In schools poor acoustics can have a detrimental effect on student concentration, behaviour and academic achievement'

Ian Usher



Colourful wall panels are perfectly suited for creative design and offer acoustic control in large open plan areas



Newly renovated atrium of a retail bank, installed with high sound absorbant panels



Sound absorbant ceiling tiles and rafts create a calm learning environment in St John's School

absorption within a room is important if you want to reduce the reverberation time, which can help improve speech intelligibility and clarity.

By installing sound absorption and insulation materials architects are able to control and alter the reverberation time in a space. Sound absorption is measured as an Alpha W (αW) value. The degree of sound absorption depends on the performance level of the material, which can vary from 0 per cent to 100 per cent absorption but for ease of reference it's divided into classes A to E, where A offers the highest protection. A plasterboard ceiling provides less than αW 0.1 sound absorption whereas a high performing acoustic ceiling can offer up to αW 1.0 or 100 per cent sound absorption. This high sound absorption is achieved because of the lightweight porous materials the ceilings are made from which is why suspended ceilings are an extremely cost-effective solution for controlling ambient noise and reverberation.

'By installing sound absorption and insulation materials architects are able to control and alter the reverberation time in a space'

Ian Usher

Suspended ceilings offer a number of options to choose from in terms of appearance and performance. A wide selection of face patterns, sizes and shapes are available to suit any interior design, offering everything from enhanced sound absorption for areas such as atriums and halls, to higher sound attenuation for corridors and circulation zones adjacent to teaching or office spaces.

There is a growing trend in modern architecture towards the use of hard reflective materials such as concrete, steel and glass in large areas like atriums in office buildings. These areas are prone to high levels of reverberation with reflected sound bouncing off the many surfaces. A derelict building, recently renovated into a retail bank with a stunning central atrium, was installed with high sound absorbent panels to provide excellent acoustic control for the large open-plan area. The ceiling panels are made from perforated mineral board with an acoustic fleece facing providing up to 44dB attenuation to reduce unwanted noise and make for a more comfortable internal environment.

In older buildings, a suspended ceiling is not always viable because of architectural features or a low ceiling height. In these situations, ceiling rafts or baffles are a good option to provide the necessary acoustic control. Rafts offer flexible and stylish solutions in a wide range of shapes and colours. They allow the creation of elegant designs and produce a contemporary look; their bright and colourful appearance is particularly appealing to young children.

Staff at a primary school in a Victorian building were struggling with high noise levels in their classrooms. The problem of noise was getting so great, staff were leaving work with headaches and suffering with sore throats from having to shout to be heard. The installation of ceiling tiles and rafts with high sound absorption has made a dramatic difference to the staff and pupils at the school. The classrooms are now calm learning environments.

Wall absorbers can be used, either in conjunction with an acoustic ceiling or independently, to improve room acoustics and many offer higher impact resistance to cope with tough daily use in leisure centres or educational environments. Wall absorbers manufactured from mineral wool panels offer superior sound absorption and can make eye-catching decorative wall coverings.

Although St Paul's Cathedral is the masterpiece of architect Sir Christopher Wren, building acoustically compliant buildings can be achieved by ensuring the design of the building is fit for purpose and specifying construction materials with excellent acoustic properties to create a good acoustic environment.

New open workspace for Dutch defence staff



Hunter Douglas has worked with Sander Architects to develop a new type of Techstyle ceiling panel for the recently renovated Netherlands' Defence Ministry. The flat, lightweight Techstyle panels have a plaster-like surface and their cellular

structure and non-woven material means they absorb both high and low frequencies, providing highly effective sound absorption. Hunter Douglas adapted the panels specifically for this project to provide a flexible workspace. The innovative use of invisible, click-fastening mechanism ensures the panels can be easily replaced when installing partitions. A partition can be attached to an extra profile and clicked into the ceiling's narrow seam.

01543 275 757 www.hunterdouglas.co.uk

enq.225

Planet Partitioning wins gold award



In recognition of its work carried out at The Laboratory of Molecular Biology, **Planet Partitioning** has been presented with the Gold award for partitioning at the 2013 AIS Contractors Awards, held on 11 June at The Dorchester Hotel, London. The awards, which are designed to help

promote high levels of craftsmanship and design, are presented to AIS' contractor members who have delivered outstanding projects of exceptional quality and value. As such, Planet Partitioning was proud to receive the Gold award, acknowledging its hard work and dedication. Planet worked hard with their team of technical designers to create a bespoke system that fulfilled all of these requirements.

0800 328 9561 www.planetpartitioning.co.uk

enq.227

Synagogue benefits from Hunter Douglas



London's Mill Hill Synagogue, which formed more than 60 years ago and now serves a 1,200-strong community, has undergone an extensive refurbishment, which includes bespoke ceiling solutions from **Hunter Douglas**. Liaising with PCC Interiors, the main installers, Hunter Douglas provided 350m² of solid wood –

Siberian Larch – in the linear open system with class '0' fire treatment. The system features 92mm wide solid wood slats with a 19mm gap between them, which is closed off using a black non-woven acoustic fleece. The Linear Wood ceiling ensures a high level of acoustic absorption.

01543 275 757 www.hunterdouglas.co.uk

enq.229

Trolldtekt helps R&D centre take the LEED



Vestas Technology's new R&D Centre in western Jutland is the first LEED building in Denmark to achieve certification in the platinum category. Designed by architects Aarhus Arkitekterne a/s, the latest building technology and materials have been used to create the most sustainable building as possible. This includes ceilings formed with **Trolldtekt** acoustic panels and Trolldtekt lighting installed together to provide a combined 'one stop shop' package of energy efficient solutions and a perfect indoor climate. Trolldtekt's lighting comprises a range of recessed spotlights plus round and linear fittings specially designed for installation within Trolldtekt acoustic panels. This leaves the ceiling uncluttered but also easily accessible from below to facilitate relamping.

enq.231

SAS International compliant with new version



SAS International, British manufacturer of interior fit-out products, is pleased to announce it is fully compliant with the latest SKA criteria, offices v1.2. Commercial office projects registered after 31 May will be assessed and certified against this new standard. SAS International's environmental statements provide detail of the new information specifiers need to make

informed decisions for projects undertaking SKA assessments. Covering the full range of interior products, SAS International's solutions, including System 8000, its award winning fully glazed partitioning system, doors and suspended ceiling systems, are compliant with the new criteria.

0118 929 0900 www.sasint.co.uk/statements

enq.226

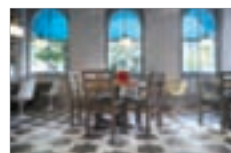
Yeoman Shield exceeds expectations



A range of **Yeoman Shield** surface protection products has been supplied and fixed as part of a £1.3 million project to convert an existing ward into a birthing unit at the Royal Berkshire hospital, Reading. The main contractor on the project, Vinci Facilities, specified Yeoman Shield and along with splash back panelling other products

supplied included Yeoman Shield half-height door frame protection in white, along with mid-height 200mm hand/protection with 125mm Protection Rain on MDF core fixed at low level. Corners in the busy Rushey Birthing Unit (which expects to deliver 6,000 babies a year) are being protected by Yeoman Shield Ultra corner protection 75 x 75mm in an attractive combination of Cream and Bordeaux. enq.228

The year of the hexagon



Hexagon tiles are the breakout success story of 2013, and to meet this demand **Solus Ceramics** has developed a range composed entirely of hexagon shapes. Hexagram is an exciting new series of hexagon wall and floor tiles that consists of 13 bold colours in a matt finish in a 100mm x

115mm size. Due to the equal vertices, the hexagons can be fitted together perfectly and can be arranged in infinite patterns. Tiles from the Hexagram range can also be used as borders or special decorations and can be mixed with tiles from the Program range to create even more interesting patterns. The range has been specifically handpicked so that colours work well individually and mixed together.

0121 753 0777 www.solusceramics.com

enq.230

Aqata – luxury walk-ins



Aqata has an extensive collection of luxury walk-ins and contemporary shower screens with hinged panels, which have been designed specially to create seamless wetroom style showering areas. The stylish Spectra SP446 walk-in screen with hinged panel in particular has become a best-seller for Aqata. Offering clean lines and a spacious contemporary showering space, the 1,950mm high corner walk-in has a practical 350mm hinged

panel to keep overspray to a minimum. This allows easy access and also maximum freedom of movement as the shower space is not fully enclosed.

01455 896 500 www.aqata.co.uk

enq.232

High on technology, low on carbon footprint



Abacus Elements is a range of easy to install, tileable wet floor systems for domestic and commercial applications. Made by specialist manufacturer and distributor of bathroom products, **Abacus Direct Ltd**, the waterproof structural foam boasts high insulation properties and high compressive strength. Added benefits include a

lightweight, easy-to-handle structure, which is easy to cut, fire retardant and made without CFC, HCFC, HFC or CO₂, so it can also help reduce the carbon footprint of a building. New Abacus Elements shower bases offer advanced technological manufacturing for ultimate strength and peace of mind. They come with a 10-year guarantee.

enq.233

Another first from Franke Washrooms



The inclusion of an innovative single-piece P-Trap and an improved shape to the bowl in all **Franke Washrooms Systems'** WCs means each one is quicker to manufacture and as a result delivers a tangible cost saving on the retail price on all models of up to five per cent. Improvements to the design, created by a new integral single-piece P-Trap replacing the previously three-piece assembly, is expected to provide the very

best flush performance at six or four litre and dual-flush. Effective from April 1, the new P-Trap and bowl design will be on all WCs in the Franke Washrooms Systems line-up including the floor-standing and wall-hung units.

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

enq.234

Rockfon has sound quality down to a fine art at contemporary London gallery



October Gallery, the cutting-edge contemporary art space in Bloomsbury London, was searching for a solution to reduce the amount of noise in its exhibition rooms and café. The gallery appointed acoustic consultants, Sandy Brown Associates, to advise on improvements to the sound insulation and room acoustics. Having taken reverberation time measurements, Sandy Brown Associates put forward recommendations to control reverberation in these areas. Once a Victorian school house, the October Gallery was suffering from a lot of reverberation noise due to the wooden flooring and sound travelling through the ceilings as Chili Hawes, October Gallery owner, explained, "When there were more than 10 people in the gallery it became very noisy, making it difficult for visitors to hear each other." Panarc Interior Solutions installed 150m² of the **Rockfon Mono** Acoustic ceiling system using an MF framework, with 1 layer of 15mm soundbloc board; this provided additional sound insulation value to reduce noise transfer between the floors. The elegant seamless acoustic ceiling creates a modern look ideally suited for the contemporary art gallery. Since the installation of the new ceiling, the room acoustics in the gallery have been re-recorded and the reverberation times have reduced by 56 per cent in the 500Hz and 1KHz octave bands.

0800 389 0314 www.rockfon.co.uk

enq.235



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enq.236

Hansgrohe – ShowerTablet Select 300



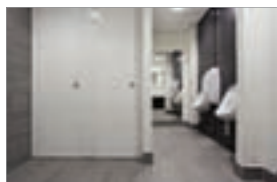
The innovative Select collection from Hansgrohe includes Raindance Select hand showers, overhead showers and showerpipes with ShowerSelect and ShowerTablet thermostatic bath/shower controls – all with simple push button 'select' operation. As a highly functional solution for exposed installations, the Hansgrohe experts have developed

the ShowerTablet Select 300, an attractive and generously dimensioned shelf for storage, in a unit that also does the work of a thermostat. A new shut-off valve allows turning the flow of water on and off by simply pushing a button and no longer by rotating, making it easy to use for all ages.

01372 465 655 www.hansgrohe.co.uk

enq.237

Maximum style at a minimalist price



Utilising innovative design and value manufacturing techniques, Maxwood's new flush-fronted Mystiq toilet cubicle system offers maximum style at a minimalist price. Mystiq's full height, flush-fronted design delivers the elegant in-line look of a high-end washroom at a surprisingly low cost. Available in a wide

range of coloured and woodgrain laminates and with a choice of cubicle sizes, the highly versatile Mystiq provides an attractive and cost-effective cubicle solution for all kinds of public and commercial washroom applications. Full details of the new Mystiq cubicle system and other washroom solutions in Maxwood's extensive range are shown on the company's totally revamped website.

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Polyseam's prestigious ISO 14001 certification



Polyseam has become one of the first companies to achieve ISO 14001 certification. "We are delighted that our hard work has been recognised and that our customers, staff and other stakeholders can now be confident in our commitment to the management of our environmental responsibilities," commented managing

director Andrew Sutulic. "Manufacturing, and in particular those including chemical processes, are often poorly viewed by the wider community. By achieving this recognition Polyseam is not only helping to enhance its own reputation and credibility but also that of UK manufacturing."

01484 421036 www.polyseam.co.uk

enq.241

Astro Lighting wins Queen's Award



Astro is a leading player in the design and manufacture of contemporary lighting, with an innovative collection of LED solutions and a particular specialism in IP44 bathroom lighting. Astro has recently received the Queen's Award for Enterprise and International Trade, which recognises exceptional commercial success and substantial growth in overseas earnings. Astro's imaginative design, high

quality manufacture and excellent customer service have produced double-digit growth with sales up 31 per cent for the last financial year.

01279 427 001 www.astrolighting.co.uk

enq.242

MK Electric greets UK's mobility boom



MK Electric is expanding the largest range of wiring devices in the UK with the launch of a new USB charging module. A recent study by research house, Gartner, suggested that by the end of 2013, the number of active smartphones around the world is expected to total 1.2 billion. Given USB is becoming

the principal method of charging these devices, MK's new USB charging module has been designed to meet this rising consumer demand. The product – which is part of MK's comprehensive range of TV, data, power and audio Euro modules – is capable of charging touchscreen tablets, mobile phones, satellite navigation devices, cameras, e-readers and games controllers, as well as smartphones and PDAs.

01268 563000 www.mkelectric.co.uk

enq.243

Medical lighting support to developing world



Manufacturer of high-efficiency medical lighting, Daray Ltd, has supplied over 1,300 lights to medical facilities in Nigeria. The Derbyshire manufacturer provided lights from its X200 and X350 LED medical examination range to four separate projects within the country. LED lights

consume significantly less power, produce less carbon emissions and are much more robust than halogen, meaning they can cope with the conditions in these remote areas. Phillip Wright, managing director of Daray Ltd, commented: "It is pleasing to see the Government using the UK overseas aid budget to not only provide vital medical health and support to those who are in need of it in the developing world, but to do so through the use of British manufacturers."

enq.244

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enq.245

Universal dimmer is KNX product of year



The Universal Dimming Actuator from KNX UK member Theben is the KNX UK Association Product of the Year 2012. It has solved the problem of designing LED lighting systems in a world where there is no agreed standard for LED drivers. This has made specifying a universal device to control dimmable LED lighting challenging. One of the key challenges for KNX systems designers is the dimming of LED lights. The new Universal Dimming Actuators

provide step less dimming using optimised dimming curves included in the KNX ETS configuration software, and new dimming curves can be imported via the ETS as they become available.

enq.246

Kingfisher's LED only light fitting



A LED only light fitting for urban lighting, LUNIO is designed by Italian lighting manufacturer Arcluce. Its sleek, modern and minimal design is the perfect synthesis combining aesthetic features and shapes. Lunio is highly efficient, the ideal solution for urban settings, pathways, outdoor public and private areas, parks and gardens. Lunio is available to the UK through

Kingfisher Exterior Lighting, Arcluce's exclusive

distributor. Kingfisher has worked closely with Arcluce for many years, forming a strong partnership.

01623 415900 www.kingfisherlighting.com

enq.247

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The A6000 is the perfect solution where a conventional lift is not a viable option

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New to the UK market, the A6000 cabin platform lift is a fantastic addition to the Axess4All range. The A6000 fits a variety of locations where a conventional cabin lift isn't a viable option, as only a shallow pit of 70mm and a minimum headroom at the upper landing of just 2,500mm is required. Compared to a conventional cabin lift, installation is much quicker, taking approximately one week, with minimal disruption.

As with all Axess4All lifts, there is no requirement for an external machine room as the lift is based on a screw and nut drive mechanism with all the machinery installed internally. The fully enclosed cabin can travel to a height of up to 13 metres and incorporate up to six landings, making the A6000 the perfect solution for new and existing buildings where there

is a requirement for improved accessibility.

The stylish enclosed cabin has a feature mirror on the lift car wall and provides a comfortable and smooth ride, while still keeping elegant aesthetics at the forefront of the design with its high quality finish. The A6000 boasts the latest technology, demonstrated by the soft start and stop and gentle change from full speed to slowing and stopping.

With steel shaft panels and a landing door with panoramic glass as standard, the smooth aesthetic design of the A6000 fits perfectly into any environment. In locations where aesthetics are a priority, there is the option to powder coat the shaft in a choice of colours. In addition to this, there are a wide range of accessories available to choose from, such as power doors and a number of communication options.



enq.250



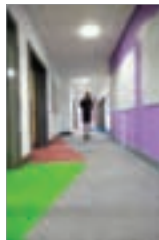
A Bona finish for a fir floor

The John Hope Gateway is Royal Botanic Garden Edinburgh's biodiversity and information centre. It's a shining example of green construction and sustainability, and the restaurant features a Douglas Fir floor, which has just been finished with Bona Traffic HD! The 500m² floor was sanded and finished over just five days by Fife based Cleaning Systems UK. The team treated the floor in four sections, which allowed the restaurant to remain open while the floor was renovated. The whole area was initially sanded back to bare wood using Bona's DCS 'dust free' sanding system, which meant there was no need to 'tent' the adjacent mezzanine area. The sanding dust was recycled by being bagged up for use by local riding stables. Each section was then primed and given one coat of lacquer at night, ready for two further coats of lacquer the next day. Bona Traffic HD was specified for the final two coats to provide the required level of durability in such a busy space with inevitable food and drink spills.

01908 525 150 www.bona.com

enq.251

Colourful carpet adds aesthetic appeal



Pupils at a new primary school in Warrington are benefiting from a unique and eye-catching way of helping them to identify their classrooms, thanks to colourful carpet from Heckmondwike FB. The new Chapelford Primary School, had 1,000m² of Supacord Fibre Bonded Carpet specified by SBS Architects in 10 different colours to create the vibrant floor design. Steel Grey was used as the base colour throughout the school, while Magenta, Violet, Blue, Willow (Green), Aquamarine, Heather, Purple Amethyst and Mulberry were used as accent colours in the corridors and throughout all 14 classrooms. Supacord is widely specified for education buildings because it is renowned for its durability.

enq.252

Remmers provides anti-slip protection



Having previously provided flooring solutions for the Snowdome, Remmers were again contacted to provide a flooring system to the newly refurbished ski hire centre. The client required a seamless, hard wearing non slip surface that was easy to maintain. 600m² of Remmers Floormix DQ was installed to the wash bays and toilets, locker and changing areas as well as the open staircase leading in from the main foyer area. The DQ System was also applied to the insitu coving and full wall height rendering in the wash bay area. As a tight installation schedule was in place, fast curing resins were used where possible.

0845 373 0103 www.remmers.co.uk

enq.253

PDS open doors for new youth centre



Performance Doorset Solutions (PDS) has recently supplied 34 of its oak veneer fire doors and frames for a new library and Youth Connexions facility in Harpenden, Hertfordshire. The brief for the library project required the doors to incorporate glazed fanlights, which adhered to fire regulations, as well as specifically designing the doorframes to fit into a variety of unusual opening spaces. It was also essential for the doors to fit in with the overall aesthetics and modern design of the building. PDS internal fire doors are FD30 and FD60 rated and are available in single and double leaf doors. As with all PDS products these doors are made to order.

01706 370001 www.pdsdoorsets.co.uk

enq.254

Sapphire Balustrades selected



Beautiful glass balustrades from Sapphire provide the perfect balance between high style and student-proof performance at the new £32 million Shoreham Academy in West Sussex. Sapphire was selected to manufacture and install high quality internal balustrades to complement the three-storey building's contemporary design and deliver the durability demanded by such a high traffic education environment. Balustrades to atria and stairways combine elements from Sapphire's core range of handrails, balusters (uprights) and infills, with custom detailing to satisfy the design criteria of each application. Project manager for main contractor, Balfour Beatty, says the state-of-the-art education facility is finished to the highest standards.

enq.256

Mobilane launches LivePicture



Leading green screen company Mobilane is breathing fresh air indoors and out with the launch of its latest innovation, LivePicture – a framed arrangement of plants that can be hung on either interior or exterior walls. The living 'picture' creates a striking, space-saving focal point, as well as offering a natural way

to improve air quality. Mobilane has created LivePicture to meet the increasing demand for inventive ways to use plants. Each LivePicture features a specially developed nutritionally balanced mineral substrate able to support a wide variety of plant types

07711 895261 www.mobilane.co.uk

enq.255

The original just got better

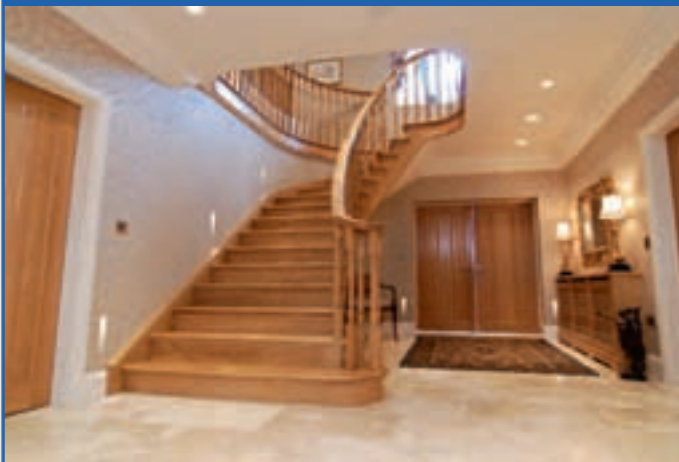


Aico is pleased to announce its RadioLINK Professional wireless interconnection technology has been upgraded to feature remote House Code entry and the ability to add full control to mixed (or 'hybrid') hard-wired and RF systems. RadioLINK works by allowing Aico Multi-Sensor, Smoke, Heat and Carbon Monoxide (CO) alarms to be wirelessly interconnected by Radio

Frequency (RF) signals, rather than cabling. If one alarm on the system is triggered, RF signals cause every other alarm on that system to sound. Because there is no need to run interconnect cabling between the alarms and lift floorboards, chase cables or fit trunking, RadioLINK saves time and disruption when installing systems in existing properties.

enq.257

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A&G claims a first with CE Marking



Acheson & Glover (A&G), a leading manufacturer of premium quality hard landscaping and pre-cast concrete products, is pleased to announce its products are in compliance with the new CE marking standard. It is the first hard

landscaping manufacturer to confirm this and apply the new CE symbol to all packaging, literature and delivery dockets. As from the 1 July, all products governed by a BSEN Standard must carry a CE mark in order to comply with new EU legislation. The new regulation was introduced to ensure products meet EU health, safety and environmental requirements and enable free movement of those products within the European market.

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Strobe the multi-sensory recycling unit



The launch of Wybone's multi-sensory, solar powered Strobe signifies an industry first in interactive recycling. This all-encompassing design includes audio-visual feedback and tactile Braille text ensuring inclusivity. Every aspect of this unit has been designed to encourage and promote recycling and ultimately boost your recycling rates, while also engaging the user. Transparent panels

help to quickly identify waste streams on approach, while audio messages "thank you for recycling"; trigger the deposit counter and flashing LED's. Bespoke audio messages and artwork options make the unit unique to each location whilst solar power creates a standalone unit with minimal installation.

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London Zoo visitors see rare tigers up close thanks to specialist glass

Visitors to ZSL London Zoo's new £3.6 million Tiger Territory have a clearer view of the rare Sumatran Tigers – thanks to specialist glass installed in their enclosure.

The specialist anti-reflective glass processed by ESG means that visitors can come face-to-face with the big cats without annoying reflections spoiling their view particularly on sunny days.

The AMIRAN anti-reflective glass offers less than 1 per cent residual reflection and gives up to 98 per cent light transmission, which is ideal for enclosures and exhibits. The glass needed to be strengthened to guarantee visitor safety, and ESG toughened it with a triple laminate including an SGP (SentryGlas®Plus) interlayer that preserved the clarity of the glass, while giving it the essential strength.

Wharmby Kozdon Architects (WKA)

specified the AMIRAN anti-reflective glass from international special glass technology company SCHOTT, which had previously worked with WKA on the Galapagos Tortoise enclosure at London Zoo, where the advantages of the anti-reflective AMIRAN glass were clear.



Jae the Sumatran Tiger within his new glass enclosure

At an amazing 2,500 sq m, Tiger Territory is five times the size of the previous tiger exhibit at the zoo. With just 300 individuals left in the wild, Jae

Jae and Melati are thought to be Europe's most genetically important pair of Sumatran Tigers, matched by a global breeding programme for the critically endangered species.

Over one million visitors a year are expected to visit Tiger Territory, and it is hoped that the new enclosure will encourage the pair to produce the first tiger cubs at ZSL London Zoo for more than 15 years.

Scott Sinden, managing director of ESG, said: "ZSL London Zoo's Tiger Territory is a fantastic exhibit, and we were delighted to be chosen to supply this exciting project. Projects like this show how versatile glass can be, and the technical developments that solve problems such as reflections and glass being too weak. We are proud to have been part of this great project – and can now claim that we can make glass tiger proof!"

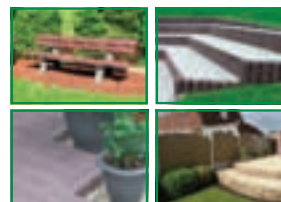
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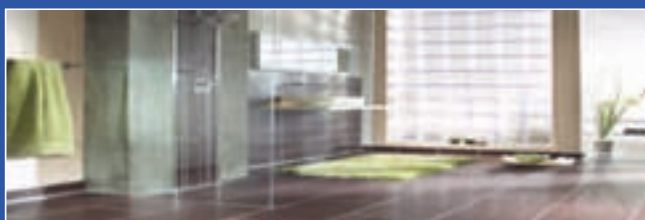
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Beautiful & sustainable stone

As the trade association for the natural stone industry, Stone Federation is passionate about promoting the use of natural stone as an attractive, sustainable building material. With over 200 members it represents a wide sector of the industry providing architects, designers, specifiers and homeowners with a one-stop shop for all things stone. Matt Rob from the Stone Federation discusses the ethical sourcing and sustainability of natural stone and what the federation can do to help

Sustainability and ethical sourcing are the hot topics not just in the stone industry but in the business world in general. Buyers now make much more informed decisions when choosing products, services or brands and the sustainability and ethical sourcing questions are high on the agenda.

Stone Federation has always been a passionate advocate of the sustainability of natural stone. In essence, natural stone is a 'cradle to grave' material and by most accounts, the oldest sustainable material on the planet. What's more, the mechanism of earth building is ultimately a continual process of erosion, deposition and formation, creating a naturally sustainable mate-

rial. Thanks to its durability, a stone's lifecycle may not be limited to usage on one project. The re-use of natural stone is commonplace, adding even more weight to the case for natural stone as an inherently sustainable material.

Ethical sourcing is another subject high on the Federation's agenda. It is working closely with its members to create a meaningful ethical sourcing statement, which will afford complete peace of mind to any architect, designer or specifier working with federation members.

There always has been and there will always be firms that look for loopholes and shortcut in the acquisition of materials

Continued overleaf..

Rigg Beck, Cumbria
Architect: Simon Knox,
 Knox Bhavan Architects
Stone Supplier:
 Burlington Stone



‘Stone Federation works to ensure that architects, designers and specifiers can work with any one of its members and enjoy the same approach to ethical sourcing and sustainability’

Matt Rob, marketing & communications, Stone Federation

and as an end user it can be a challenging task to ascertain the true credentials of a firm.

This is where Stone Federation can help. It has over 200 vetted and monitored members who, as part of membership, have to adhere to the highest standards and methods of operation.

Through a range of courses, publications and online training the federation ensures that all its members are up to date with the latest in official regulations, guidelines and codes of practice.

One example of this is the newly updated CE marking regulations. In the simplest terms, as of 1 July 2013, it has become a legally mandated obligation for construction products covered by a harmonised standard (EN), or conforming to a European Technical Assessment (ETA) to have a Declaration of Performance (DoP) and be CE marked.

In response, Stone Federation has produced an information booklet and sample certificates and DoP to ensure Members are providing their clients with the necessary information for their products.

In short, Stone Federation works to ensure that architects,

designers and specifiers can work with any one of its members and enjoy the same approach to ethical sourcing and sustainability.

It is not just Stone Federation member companies that can enjoy the wide array of membership benefits; there are also avenues of involvement open to architects.

The Stone Federation’s newly launched Architects’ Club allows architectural professionals to enjoy a selection Federation membership benefits specifically aimed at enabling them to correctly specify and select the most appropriate material for a project.

As a member of the Architects’ Club you will enjoy free technical, sustainability and CE Marking helplines, access to exclusive members only events, courses and seminars, discounts on publications and first class networking opportunities.

If you would be interested in reading more about the sustainability of natural stone, the Federation has two publications – *Natural Stone: The Sustainable Solution* and *Demonstrating Your Company’s Sustainability Credentials*, both of which are available to architects.

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