

adf architects datafile

January 2014

Commercial offices: The
Leadenhall Building, London

Healthcare: The Montefiore
Hospital, Hove

The Surface Design
Show preview

Plus the latest news, events
and products



glass & glazing • heating, ventilation & services
roofing • stairs & balustrades

www.adfonline.eu

incorporating
**BUILDING
PROJECTS**

ecobuild

04-06 March 2014 • ExCeL London

88% OF ARCHITECTS SAY ATTENDING ECOBUILD IS ESSENTIAL TO THEIR BUSINESS

- The most comprehensive showcase of sustainable construction products anywhere
- Inspiration meets innovation – the latest building techniques, trends and materials
- Unrivalled information programme – two conference arenas bringing over 600 industry leaders, ministers and global academics to the heart of the exhibition floor
- Meeting and networking opportunities with industry experts
- Case studies and examples of best practice
- Find out what's happening in the UK market and abroad

Register for your free ticket: www.ecobuild.co.uk

EXPERT ADVICE



TOP SPEAKERS



BRAND NEW CONTENT ZONES



GOVERNMENT PARTNER



LEAD PARTNER



RESEARCH & INNOVATION PARTNER



LEAD SUPPORTERS



OFFICIAL CHARITY



ORGANISED BY





30



37

news & events

- 4 Industry News
- 12 CPD Focus
- 18 Events

HEADLINES

- 5 A response to the ONS Construction Output figures for November 2013
- 7 Mather & Co designed Olympic Museum opens in Lausanne, Switzerland
- 9 RIBA Future Trends Survey results for December 2013



26

products

- 21 Editor's Focus
- 23 Appointments & News
- 25 Planning & Design
- 29 Groundworks
- 41 Structural Elements
- 44 External Envelope (inc. External Fixtures)
- 50 Insulation
- 51 Heating, Ventilation & Services
- 59 Interiors
- 65 Disabled Products & Services
- 65 Safety & Security
- 65 Landscaping & External Works
- 67 Classified & Directory



Cover image: Emile Osborne
— Burst © Lightbox Studios.
See page 26 for details

projects

- 30 **Extra-care facility**
The Hannington's Depository in Brighton was in need of emergency surgery. Her health had declined in recent years, and, while demise was not imminent, quality of life was low. Would she find the urgent attention needed to restore her to health? Michael Willoughby finds out

features

- 37 **Taking the office experience to new heights**
London's striking Leadenhall Building is so impressive it's easy to forget it's been designed for a commercial purpose too, writes Ray Philpott

42 STRUCTURAL ELEMENTS: ROOFING

Sustainable roofing: it's not all about the bling

Stuart Hicks, marketing manager of cold liquid-applied waterproofing membrane specialist, Kemper System, discusses why consideration for sustainable roofing specification should go beyond the product's obvious eco-credentials

48 EXTERNAL ENVELOPE (INC. EXTERNAL FIXTURES): GLASS & GLAZING

Trends in glass and glazing

Head of Reynaers at Home Hugh Moss shares the results of the company's research that reveals the latest trends within architectural glass and glazing

53 HEATING, VENTILATION & SERVICES

Reconsidering the radiator

By Nigel Coston, director of marketing, technical and logistics at Zehnder

62 INTERIORS: STAIRS & BALUSTRADES

Specifying a feature staircase

Richard McLane, design director of bespoke staircase company Bisca, comments on the new trend for staircases taking centre stage

Publisher/Editor
Simon Reed

Assistant Editors
Gabrielle Vinyard
gabrielle@netmagmedia.eu
Rebecca Wicks

**Editorial &
Production Assistants**
Roseanne Field
Mikey Pooley

Contributors
Ray Philpott
Michael Willoughby

Sales Director
Lesley Mayo

Advertisement Manager
Anthony Parker
anthony@netmagmedia.eu

Sales Executives
Sue Benson
Suzanne Easter
Kim Friend
Steve Smith

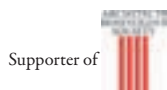
**Circulation/Reader
Enquiry Service**
Jane Spice



netMAGmedia Ltd
Cointronic House
Station Road, Heathfield
East Sussex, TN21 8DF

**Advertising &
Administration**
t 01435 863500
f 01435 863897
info@netmagmedia.eu
www.adfonline.eu

Press Releases
editorial@netmagmedia.eu



Annual subscription costs just £48 for 12 issues, including post and packing. Phone 01435 863500 for details. Individual copies of the publication are available at £5 each inc p & p. All rights reserved

No part of this publication may be reproduced or transmitted in any form or by any means, electronic, mechanical, including photocopying, recording or stored in any information retrieval system without the express prior written consent of the publisher. Although every effort is made to ensure the accuracy and reliability of material published in Architects Datafile, the publisher can accept no responsibility for the claims or opinions made by contributors, manufacturers or advertisers. Editorial contributors to this journal may have made a payment towards the reproduction costs of material used to illustrate their products. The manufacturer of the paper used within our publication is a Chain-of-Custody certified supplier operating within environmental systems certified to both ISO 14001 and EMAS in order to ensure sustainable production. Printed in England

COMMENT

High acceptance of prefab among architects, especially in the Netherlands

Prefab is one of the ways for ensuring a fast and efficient building process. The acceptance of using such materials and products is growing among European architects. The usage however is mostly noticeable in the Netherlands where the building site becomes an assembly site according to 80 per cent of architects. These are some of the conclusions of the Q2 2013 European Architectural Barometer report, a quarterly research among 1,600 architects in eight European countries. European architects act as a leading indicator for the construction activity.

The prefabricated materials and products, which only a couple of years ago were not that popular and accepted by architects, now show great potential. They are no longer seen as products limiting the freedom of architects. On the contrary, architects in all countries agree that they can still create good looking buildings with such products (in all countries the share of those who agree with the statement has grown in one year, most significantly in Italy and the UK – by 23 per cent).

Some external factors are also relevant for the wider acceptance of prefabrication: the demand of investors for faster and cheaper buildings which we see in almost all countries; the shortage of qualitative and quantitative labour force in construction companies, as a result of difficult years; the developments among manufacturers of such products who are able to offer custom made products within the prefabricated segment etc.

The Netherlands seems to be ahead of other countries in its usage of

prefabrication. The majority of Dutch architects agree that the construction site is turning into an assembly site. Of all other countries, France appears to be the most conservative. Although architects accept prefabricated products, traditional building methods continue to be widely used in practice.

This study is conducted in Germany, France, Italy, Spain, UK, the Netherlands, Belgium and Poland by Arch-Vision four times a year. Besides indicators to forecast the European building volumes, a specific topic is highlighted each quarter. The topic in Q2 2013 was *Architectural Design & Technology Trends*.

NETMAGEVENTS NEWS

Favourite design project of 2012-13



As part of the netMAGevents evening networking events in 2013, we showcased nine building projects that

had been featured within Architects' Datafile magazine. Architects and building industry professionals were asked to vote on their favourite projects and we have a winner.

First second and third places were all taken by transport projects – King's Cross Station designed by John McAslan + Partners got most votes. Second was Slough Bus Station designed by bblur architecture and third was Deptford Station by Dawson Horrell Architects.

Thank you everyone who worked with us to produce the building projects gallery, and to those who took part in voting.

You can view the gallery on our news blog adf-news.blogspot.co.uk, enter ref: 27740.

TECHNOLOGY

Autodesk charts the future of Building Information Modelling

Autodesk, Inc. unveiled several exciting new technologies for Building Information Modelling (BIM) at its annual user conference, Autodesk University, held in the US in early December.

"We are expanding the reach of BIM on multiple fronts – into conceptual design on one end of the spectrum and into construction on the other.

"Our advancements are empowering professionals to move from designing objects and simply representing their ideas in 2D and 3D to designing in context while optimising and better predicting the performance of their designs," said Amar Hanspal, Autodesk senior vice president of Information Modelling and Platform Products.

enq. 101

COMMENT

A response to the ONS Construction Output figures for November 2013

By Michael Dall, lead economist at construction intelligence specialist, Barbour ABI

Today's [10 Jan] ONS Construction Output figures were disappointing for the industry, which has been enjoying a period of optimism, generated from months of reports of strong performance.

A dip in the figures was likely to come – the construction industry is volatile and the period of exponential growth we've seen of late was unlikely to continue unblemished. Although disappointing, today's output figures are not a cause for alarm. Looking at the bigger picture, we're still seeing longer-term growth, with November's figures 2.2 per cent up on this time last year, the sixth consecutive month we've seen the year on year numbers increase.

Other indicators of construction market activity, such as the volume and value of new contracts awarded last month as reported in **Barbour ABI's Construction & Economic Market Review** report, are also continuing to show signs of strength and plenty of activity within the industry – so much so that I'm confident we'll see output bounce back from today's low figures.

EVENT

Time for Timber

Kicking off the events programme for 2014, the **Structural Timber Association (STA)** will be presenting *Building for the future with BIM*. Taking place on Wednesday 29 January at BRE, Bucknalls Lane, Watford, this event is a great opportunity to learn about BIM and its many benefits. Guest speakers include David Philp, an internationally recognised expert in BIM from the Department for Business, Innovation and Skills (BIS). With the UK government requiring that all centrally procured construction contracts be delivered using BIM by 2016, it is now essential that the timber industry accepts, understands and embraces the process which is influencing the future of our sector. The forthcoming event at BRE will give insight into BIM, including how processes have evolved, the reasons behind the government's drive to adopt it and the many benefits of using the technology.

For more information or to make your booking go to www.amiando.com/timefortimber.html

CASE STUDY

After refurbishment



© Dave Bower

Townhead – winner of 'Restoration of a Georgian Country House' at the Georgian Group Awards

The Forest of Bowland is an area of outstanding natural beauty, unnoticed by many as they shoot past it on the way to the startling lakes of Cumbria. In 2008, an 18th century stone house, Townhead, near the beautiful village of Slaidburn, Lancashire lay in near ruins until Robert Staples bought it.

The Grade II listed property, also on English Heritage's Buildings at Risk register, had trees growing out of the foundations, the old Victorian glasshouse about to collapse, had never had electricity and the water came from an old pump in the kitchen due to its vacant status of over 70 years. To Robert, this special property was worth the trouble.

Together with the project architects, a plan was drawn up to establish what was needed for a more modern lifestyle, while attempting to keep the character of Townhead.

The biggest challenges were insulation, heating and the power required for such. After looking at all of the heating systems available, the choice came down to ground source.

Although Townhead has to remain single glazed due to its listed status, Robert soon came up with ideas to keep the heat in. Firstly, all of the shutters had to be serviceable. Secondly, blinds and curtains were designed for every room using thick fabric, with heavy insulating material incorporated. The thick walls of the house are a natural insulator in themselves.

It was found that many of the joists were rotten, the house had worm of every type, plus wet and dry rot in abundance. The centre spine wall had collapsed and serious plasterwork was needed throughout, but all alterations and restoration were completed by mid-2013.

The main lesson Robert says he learned is that a large house is just that, large! Everything takes twice as long to do and costs twice as much as originally thought. However, it is all well worth doing and very satisfying – as evidenced by the recent win at the Georgian Group Awards.

Before refurbishment



© Dave Bower



© Dave Bower

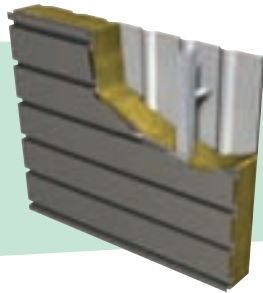
The choice of radiators was important, with the need to fit 50 per cent more radiators than is normal due to the lower operating temperature of ground source. Townhead needed attractive radiators because they would be at the forefront in all rooms and corridors. With over 80 required, Carron cast iron radiators were chosen because the designs looked stunning with the Georgian architecture. The heavy cast iron sections of the Carron radiators absorb and release the heat from the ground source pumps in a wonderfully steady and regulated system, giving Townhead a cosy feeling not often associated with big houses.

enq. 103

Always moving forward

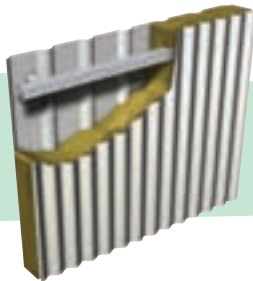


Our two most recent innovations are the new Opus panel and sinusoidal profiled sheet.



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

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



EUROCLAD
Drawn on our experience

Wentloog Corporate Park Cardiff CF3 2ER
T: 029 2079 0722 E: sales@euroclad.com
I: www.euroclad.com



Colorcoat HPS200 Ultra, Colorcoat Prisma and Confidex Sustain are registered trademarks of Tata Steel UK Limited.

reader
enquiry
104



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

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

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

A culture of innovation is present throughout our supply chain, with Elite Systems using only Colorcoat HPS200 Ultra® and Colorcoat Prisma® from Tata Steel. These Colorcoat® products are available with Confidex Sustain® to offer the world's first CarbonNeutral® building envelope and are certified to BES6001 Responsible Sourcing standard.



AWARD

Sleep ReardonSmith Student Award winner for 2013 announced



The winner of the 2013 Sleep ReardonSmith Student Award was revealed last month at the European Hotel Design Awards in London before some 900 people. He is James Young, a fourth-year student studying for his Masters in Architecture at the Canterbury School of Architecture. For the second year running, ReardonSmith Architects joined forces with Sleep to create the competition.

Open to all students undertaking a full-time architectural or interior design course in Europe, this year's competition was given the brief to masterplan a new luxury hotel and residential marina development on the Southern Adriatic coast. The brief was intentionally left loose so that students could demonstrate their creative skills. Certain planning restrictions were applied to balance the novel with the real and, through this process, develop a meaningful result.

Patrick Reardon, executive chairman of ReardonSmith says: "James' submission stood out for its sensitive interpretation of the brief and also for its regard toward the surrounding landscape, cleverly merging the development into the topography of the land."

For more information visit adf-news.blogspot.co.uk and enter ref: 50992.

MUSEUM, SWITZERLAND



Mather & Co designed Olympic Museum opens in Lausanne, Switzerland

Museum and visitor attraction design consultancy **Mather & Co** has started 2014 on a high note, witnessing two years' hard work designing the new International Olympic Museum in Lausanne, Switzerland, come to fruition when the museum opened its doors to the public in 2014. The highly prestigious contract awarded to Mather & Co in 2011 has seen the company design the museum's three floors of permanent exhibition galleries.

Working with the Olympic Museum team, Mather & Co developed the narrative and themes and 3D designs of all the museum spaces.

"We chose Mather & Co to design the new museum because the team has excellent credentials in museum and visitor attraction design around the world – especially sporting museums," explains Francis Gabet, director of the Olympic Museum, International Olympic Committee.

"The team has been able to help us bring to life the story of the Olympic Movement through stories, artefacts, art, audio-visual and interactive displays and to make the museum beautiful, educational and truly inspirational in the world."

The museum is the largest centre dedicated to telling the story of the Olympic Movement.

"It has been a truly positive collaborative process between our design studio and the IOC team to create this world-class attraction," said Chris Mather, director of Mather & Co.

"Projects like this one don't come along every week: to work on such a world-class museum combining the skills and expertise from a number of EU countries is very exciting."

The new museum will welcome visitors to three floors of permanent exhibition areas of over 3,000m². Two educational zones almost 150m² in size will welcome young visitors from April 2014, allowing the educational and cultural activities to be expanded.

The permanent and temporary exhibitions are designed to highlight aspects of Olympic culture and its relationship with the world.

The museum offers visitors an insight into the complex and fascinating story of the athletes, champions, artists, architects, volunteers and many others who have played a part in the creation of the Olympic Games.

Make your **Dream** a **Reality**

WITH BI-FOLDING SLIDING DOORS



Available in **ALUMINIUM, TIMBER, ALI-CLAD & PVCu**

Buy direct from the UK's **ONLY** Specialist Manufacturer

Folding sliding doors can be installed in a huge range of situations, in fact folding sliding doors provide you with so much flexibility and choice that the solutions are endless.



25 YEAR GUARANTEE
All our doors are supplied
with a no quibble guarantee



ENERGY EFFICIENT
Double glazed, thermally
efficient, UK building
regulations compliant



SECURITY
Encapsulated running gear,
hardened steel locks,
internally glazed, UKAS tested



CHILD FRIENDLY
Finger safe gaskets
Easy operation





ENGINEERED
British made, laminated timber,
PVC, aluminium or aluminium
& timber clad options



The  **Folding Sliding**
Door Company

Call: **0845 644 6630**

www.foldingslidingdoors.com eMail: sales@foldingslidingdoors.com

Visit our showroom Mon-Fri 9am-7pm, Saturday by appointment only  
FSD Works, Hopbine Avenue, West Bowling, Bradford, West Yorkshire BD5 8ER

reader
enquiry
105

FAT announces the end of its practice

The highly successful, 23 year collaboration will culminate next summer with the completion of A House For Essex, designed for Living Architecture (in collaboration with artist Grayson Perry), and the curation of A Clockwork Jerusalem at the British Pavilion as part of the 2014 Venice Biennale (in collaboration with Crimson Architectural Historians and Owen Hatherley).

Following on from the completion of a number of architecturally significant projects, directors Sean Griffiths, Charles Holland and Sam Jacob believe that, with the conclusion of these final projects, FAT will have achieved all it set out to do when the practice first emerged in the 1990s. FAT was always conceived as a project in itself, a vehicle for critically opening up the culture of architecture rather than purely a conventional architectural practice.

"FAT has provided the three of us with the most extraordinary platform for creative collaboration. We have enjoyed 23 years together and want to end our union on a high with two typically FAT projects – A House For Essex and our curatorial role at the world's most prestigious architectural event – The Venice Architecture Biennale."

Evolving out of a 'collective' of architects, artists and film makers, in the mid 1990s, FAT became one of Britain's most influential architecture practices. Their work pushed the boundaries of architecture by developing innovative forms of cross disciplinary practice and new critical directions in architecture while engaging mainstream clients and delivering a series of highly original buildings in the UK and abroad.

For more information visit the ADF news blog at adf-news.blogspot.co.uk and enter ref: 49657.



© Morley von Sternberg

Blue House, London

RIBA

RIBA Future Trends Survey results for December 2013

The Royal Institute of British Architects (RIBA) has published the December 2013 Future Trends Survey, the monthly member survey which offers an insight into the predicted health of the architects' profession and the wider construction industry.

The RIBA Future Trends Workload Index fell back very slightly in December 2013 to +30 compared with +31 in November 2013. Only 10 per cent of UK practices expect workloads to reduce over the next quarter with the remainder expecting them to stay the same or increase. London (balance figure +41) was the most upbeat area of the UK this month, but all nations and regions remained positive about future prospects.

Medium-sized practices (11-50 staff) remained the most optimistic about prospects for workloads over the next quarter, returning a balance figure of +44. Private housing remains the most buoyant sector, with the workload forecast increasing a little to +31 in December 2013, from +29 in November 2013.

RIBA Director of Practice, Adrian Dobson said:

'It appears that the current recovery is largely being driven by a widespread strengthening of the private housing sector and a pick-up in commercial projects in London and the South of England.'

The commercial sector workload forecast fell back to +11 in December 2013, down from +18 in November 2013. Both the community sector workload forecast (balance figure +4) and the public sector workload forecast (balance figure -1) also fell a little

this month.

The RIBA Future Trends Staffing Index stood at +6 in December 2013, falling from +11 in November 2013. This perhaps indicates a slight reduction in overall confidence levels, following a series of previous upward movements in this Index, but remains firmly in positive territory. Medium-sized practices (11-50 staff) were the most optimistic this month about their ability to sustain higher staffing levels in the medium term, returning a balance figure of +22.

In December 2013, the percentage of respondents reporting that they had personally been under-employed in the previous month fell to 17 per cent, suggesting that the amount of spare capacity within the architects' profession is gradually reducing.

Dobson added: "Whilst a significant number of practices are seeing an upswing in both the levels of enquiries and work in progress there is little sign yet of any corresponding increase in general fee levels; achieving reasonable profit margins remains challenging for many."

COMMENT

Wood, bricks and stone often seen as the most sustainable facade products

Bricks have a convincing image as the most sustainable facade product. Wood is also seen as the most sustainable product in the UK, but the same material has a contradictory image in France, Belgium and the Netherlands. These are some of the conclusions of the Q3 2013 European Architectural Barometer report, a quarterly research among 1,600 architects in eight European countries.

When architects are asked for the most and least sustainable facade materials/products, three materials turn out to be mentioned as the most sustainable ones: bricks, wood and stone. It should be noted that architects hardly ever question the sustainability of bricks. Especially in countries like Germany, Spain, Italy, the Netherlands and Belgium, these products are strongly related to an image of sustainability.

Not the same, however, can be said about wood: in France, the Netherlands and Belgium, architects seem to have opposing opinions. Wood is referred to as the most as well as the least sustainable material. The same can be said about concrete, in France (pointed out as most sustainable by 13 per cent of French architects, but at the same time, 10 per cent see concrete

as the most unsustainable material).

In general, concrete and facade panels (composite or HPL) often find their place among the least sustainable materials and products - a point to be taken into account by the producers of such products.

In a sector where the importance of sustainability is growing and more than two thirds of architects are proactive in sustainability and specifying sustainable products, the image of the products is important. There will always be aspects related to the sustainability of the products which may be questioned; but the negative image of a whole group of materials could be of disadvantage for those products in the future, and even lead to being totally ignored by a certain group of architects. The longer a product is being perceived as least sustainable, the longer it will take to improve its image.

This study is conducted in Germany, France, Italy, Spain, United Kingdom, the Netherlands, Belgium and Poland by **Arch-Vision** four times a year. Besides indicators to forecast the European building volumes, a specific topic is highlighted each quarter. The topic in Q3 2013 was 'Sustainability'.

COMMENT

£4.7 million Quantum Care Scheme in Bedfordshire

ISG has been awarded a £4.7 million project to construct a new care home in Dunstable for residential care specialist, Quantum Care.

The contract builds on ISG's relationship with the client, a not-for-profit company specialising in dementia and palliative care for older people across Hertfordshire, Bedfordshire and Essex. Dunstable represents ISG's first complete new build project for Quantum Care, following the successful delivery of three care home extension projects in Hertfordshire last year.

Located in the centre of Dunstable on a former industrial estate site, the 38,750 sq ft three storey care home will provide accommodation for up to 75 residents in en-suite private rooms. The new building will have extensive

facilities, including a hairdressing salon and café, along with an open plan TV room and kitchenette for every 7/8 bedrooms, where residents can socialise and enjoy organised activities.

ISG has again worked closely with Quantum Care to ensure every detail of the construction and fit out of the new facilities enhances the living environment for residents. End-users have been consulted throughout the design process and have provided valuable input into internal colour schemes, planting layouts within the garden areas and the overall access strategy.

The home incorporates advanced care facilities, including an 'Eclipse' specialist dementia nurse call system, which uses intelligent monitoring to switch on lights and alert staff if a

resident gets out of bed and fails to return within an allotted timeframe. The building also has a highly sustainable design to minimise its impact on the environment and reduce operational costs, incorporating air source heat pumps, solar thermal and solar photo voltaic arrays.

Alan McCarthy-Wyler, managing director of ISG's construction business, commented: "The continuity of our delivery team and the specialist expertise and applied learning from previous Quantum Care projects proved vitally important in securing this keynote scheme in Dunstable. This is a niche sector, where intelligent and subtle design solutions have a profound impact on the lives and well-being of residents, and ISG's expertise delivering award winning specialist care facilities continue to be highly valued by many of the UK's leading providers."



Visualisation of the new residential care home in Dunstable



Incorporating technologically advanced care facilities, the new home is also highly sustainable to minimise its impact on the environment

Grand Designs World Leaders Luxury Homebuild

Bespoke Glazing PassivHaus

We have a wealth of experience in working with architects on many types of application; from residential through to larger commercial applications.

Altitude Aluminium works with Schuco and Reynaers systems and offer a complete, no worry service from design through to installation of Aluminium Windows, Doors, Sliding and Folding systems, Curtain Walling, Balustrades and Balconies.

Altitude Aluminium is ISO 9001, ISO 14001 and BS OHSAS 18001 accredited.

Get in touch with us to discuss your project further.

Call us today on

0800 2888 066

or email your plans to

quote@altitudealuminium.co.uk

Visit our website

www.altitudealuminium.co.uk



cpd focus

SPECIFICATION OF FINISHES AND MAINTENANCE PRODUCTS FOR WOODEN FLOORS



Bona offers *Specification of Finishes and Maintenance Products for Wooden Floors*, a CPD covering three main areas. The first is preventative maintenance, which looks at design issues covering the layout of buildings, flooring selection, matting and the long term flooring performance. Secondly a section on specification examines a floor's life costs and explains how to get the right specification to satisfy clients' requirements. Finally a section on maintenance and refurbishment.

01908 525 150
www.bona.com

enq. 107

WETROOM DESIGN & SPECIFICATION CPD FROM CCL WETROOMS

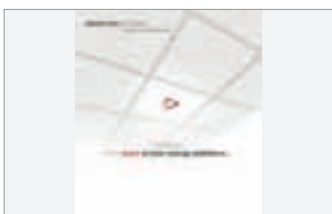


CCL Wetrooms has developed a *Wetroom Design & Specification* CPD to help guide architects through the process of designing and specifying a watertight wetroom. The technical presentation covers the key considerations, including wetroom design and layout, waterproofing, drainage, floor build up and installation.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

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

enq. 108

ARMSTRONG LAUNCHES RIBA-APPROVED CPD ON ECO-FRIENDLY SYSTEMS



Armstrong Ceilings has introduced a RIBA-approved CPD on the use of the PCM (Phase Change Material) the concept is based on. *Using phase change materials in construction for a more sustainable built environment* is designed to help architects, interior designers and clients better understand where and how PCMs can be used to create a more energy-efficient and comfortable environment and how they play a role in supporting high-performing sustainable properties. Formulated specifically to meet the requirements of RIBA's core curriculum in terms of *Climate: sustainable architecture* and *Designing and building it: design, construction, technology and engineering*, the CPD advises on the how, what, where and when of PCMs in new-build and refurbishment projects in the office, education, healthcare, commercial and retail sectors particularly. Armstrong's eco-friendly system, CoolZone, incorporates PCM into the company's plain metal ceiling tiles. This material – microscopic polymer capsules containing a wax storage medium – is embedded in gypsum and then encased in the metal tile. On heating during the day and cooling at night, the wax melts and solidifies. In this way the internal temperature is regulated, ensuring a stable and comfortable environment in which to work. The CPD also includes a video that brings the CoolZone concept to life

0800 371849
www.armstrong-ceilings.co.uk

enq. 109

SPECIFYING PERFORMANCE OF DEMOUNTABLE SUSPENDED CEILING SYSTEMS



SAS International, a manufacturer of interior fit-out solutions, is pleased to announce that it has produced a new architectural RIBA-accredited CPD for suspended ceilings. It adds to its existing portfolio of RIBA-accredited Core Curriculum CPDs. Designed to inform architects, the presentation provides an introduction and overview of what to consider when specifying ceilings. The CPD looks at acoustic, environmental, design, and integration options for suspended ceilings.

0118 929 0900
www.sasintgroup.com

enq. 110

VETROTECH SAINT GOBAIN CPD



Manufacturer of fire resistant glazing **Vetrotech Saint Gobain** understands the moral and legal obligation required to ensure the correct specification is met on every project. It introduces a new RIBA approved CPD, a comprehensive overview of the fire glass industry which explains the different types of fire protection, why fire rated glass is required, the different types of fire glass needed and how they work and how to correctly specify fire rated glass.

02476 547 7620
www.vetrotech.com

enq. 111

NEW CPD LEARNING OPTIONS PACKAGE FROM ULTRASCAPE



Ultrascape offers the accredited core curriculum CPD, *Reducing the risk of costly failure in the public realm. Paving the way: the benefits of BS 7533*. It is suited to landscapers, contractors, designers, council employees and engineers as well as architects and provides an excellent, informative guide to paving constructions covering:

- An introduction to BS 7533
- What is 'rigid' construction?
- What problems can arise when not adhering to BS 7533
- Other materials to be considered, e.g. resinous mortars and sand stabilisers.

It offers a much greater understanding of products, materials and design possibilities that can ensure a successful and aesthetically pleasing project. The new package offers 6 learning options to choose from. Each is unique in its format, allowing you and your colleagues to learn in the most convenient way that is specific to your needs. The options include: Traditional, Bitesize Breakfast, Explore Our Factory: Full, Explore Our Factory: Half, 'Make a Night of It' and Bitesize Download. These innovative options provide alternatives for either travelling to hosting facilities or staying on-site. Hands-on experience is now included with product demonstrations available if needed, increasing knowledge and understanding. Ultrascape will always pick up the bill for lunch and now there is even the opportunity to enjoy beer and pizza on them!

01827 871871
www.ultrascape.co.uk

enq. 112

continuing professional development

Maintaining and improving professional competence, skills, abilities and knowledge

STELRAD CPDS NOW AVAILABLE ONLINE - WHENEVER YOU WANT THEM!



A leading radiator manufacturer, **Stelrad** has announced that with immediate effect, its two CPD programmes are available online. They are still available in architects and building design offices on request but responding to enquiries from individuals that either live in less accessible locations or who prefer to take their CPD courses at a time that suits them, Stelrad has provided both programmes online with the necessary questions at the end of the programme, so that RIBA members can claim their CPD points after taking the courses. The initial CPD seminar on offer to architects is based on explaining the technical differences between serial and parallel feed radiators and highlights how new serial feed technology helps reduce fuel costs and a property's carbon footprint. Stelrad's second CPD seminar highlights information about low surface temperature (LST) radiators. These radiators have been devised for use in buildings where the young, the elderly or the vulnerable may live, work or visit, and where burns from the potential surface temperature of a radiator may cause damage to people. To find out more about these CPD seminars, to arrange for them to be given at your offices, and to organise visits to the Stelrad factory in Mexborough, please contact the CPD Co-ordinator, Stelrad Radiators using the details below.

01709 578950
info@stelrad.com

enq. 113

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. 114

SPECIFYING HARDWOOD TIMBER EXTERNAL DOORSETS



Urban Front has joined the RIBA CPD network with a new seminar entitled *Specifying Hardwood Timber External Doorsets*. Learning aims include information on insulation, passive house, challenges with maintenance, accessibility and door security. The CPD is largely visual and offers various opportunities to touch and feel samples. It lasts approximately 45 minutes.

01494 778 787
www.urbanfront.co.uk

enq. 115

NEW CPD LAUNCHED BY FRANKE WASHROOM SYSTEMS



A new CPD by **Franke Washroom Systems** supports a new generation of commercial washbasins and washtroughs made from the company's own moulded solid-surface – Miranit. The CPD covers both the standard range of Miranit basins and Miranit Bespoke. Highlights include the benefits of using solid surfaces in washrooms, the properties of Miranit, the benefits of using Miranit over ceramics, cleaning and maintenance, standards and approvals, custom made products, and various commercial application examples.

ws-marketing.gb@franke.com

enq. 116

UNDERSTANDING AND SPECIFYING INVISIBLE SOUND SOLUTIONS



Amina Technologies' RIBA-approved CPD seminar compares the basic principles of conventional sound technology with that of VPT (Vibrational Panel Technology) technology used for Amina's invisible loudspeakers. Consideration is given to the characteristics and benefits of the different technologies before looking in more detail on how to specify an invisible sound solution for end customers illustrated by case studies on both commercial and residential applications.

01480 354390
www.amina.co.uk

enq. 117

RESIN BASED SURFACING



Resin Based Surfacing is the title of the popular CPD seminar designed for landscape architects, designers, architects, developers and local government provided by **Addagrip**. The seminar provides information on resin bound, resin bonded and tree pit surface finishes along with details of base build up specifications and SUDS. Addagrip CPD's are available nationwide and run for approximately one hour but can be tailored to suit.

01825 761333
www.addagrip.co.uk

enq. 118

LIBRARY, CHINA

Schmidt hammer lassen architects wins library competition in China

Schmidt hammer lassen architects has been announced first place winner in the competition to design a 30,000 sq m central library in Ningbo, China. Located in the heart of Ningbo New East Town the new library sits on the edge of a new ecological wetland area which will form a new cultural hub of the city. With its open and accessible design the winning proposal makes it possible to display the library's collection of more than two million books and double the number of daily visitors.



'We have designed a library which is open and accessible. It is organised around an 8,000 sq m open marketplace containing the most popular library functions and collections,' explained Morten Schmidt, partner at schmidt hammer lassen architects. 'The marketplace is visually open on all sides connecting to a public plaza and a landscaped ecological park and lake, thus ensuring all interior spaces have a direct connection with the outside.'



SHS are the leading supplier of stainless steel and glass balustrades in the UK. Providing solutions to meet our customers' needs for almost 10 years. We can transform your ideas into reality with our beautiful range of balustrades.

CALL OUR TEAM NOW:
0800 068 6363

100% BEST PRICE

"Understanding, satisfying & exceeding our customers' expectations"



Frameless Glass



Stainless Steel & Glass



Square Tube & Glass







Address: Unit 10 Birch Lane Business Park
Birch Lane, Aldridge
West Midlands, WS9 0NF

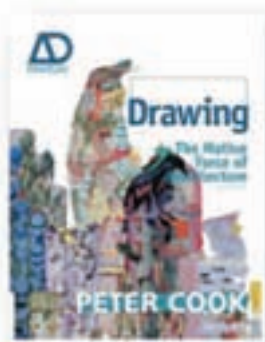
Tel: 0800 068 6363
Email: sales@shsproducts.co.uk
Website: www.stainlesshandrailsystems.co.uk

Find us online:



enq.119

BOOK



Drawing: The Motive Force of Architecture

Second edition

By Peter Cook

Published by Wiley, December 2013

Paperback, £27.99

ISBN: 9781118700648

Focusing on the creative and inventive significance of drawing for architecture, this book by one of its greatest proponents, **Peter Cook**, is an established classic and exudes Cook's delight and appetite for the architectural.

In this updated edition, Cook provides a substantial new chapter that charts the speed at which the trajectory of drawing is moving, reflecting the increasing sophistication of available software and also the ways in which 'hand drawing' and the 'digital' are being eclipsed by new hybrids—injecting a new momentum to drawing.

Including some of the greatest and most intriguing drawings by architects, ranging from Frank Lloyd Wright, Heath-Robinson,

Le Corbusier and Otto Wagner to Frank Gehry, Zaha Hadid, Coop Himmelb(l)au, Arata Isozaki, Eric Owen Moss, Bernard Tschumi, and Lebbeus Woods; it also includes key works by Cook and other members of the original Archigram group.

Featuring the likes of Toyo Ito, Perry Culper, Izaskun Chinchilla, Kenny Tsui, Ali Rahim, John Berglund, and Lorene Faure, *Drawing: The Motive Force of Architecture* provides fascinating insights into the effect that medium has upon intention and definition of an idea or a place.

Drawing: The Motive Force of Architecture is available wherever books and e-books are sold priced £27.99.

CALL FOR ENTRIES

Call for entries for Restaurant & Bar Design Awards now open

The call for entries for the **Restaurant & Bar Design Awards** is now open. Totally independent, the UK and International Restaurant & Bar Design Awards is the world's only concept of its kind dedicated exclusively to the design of food and drink spaces. The Awards invites and receives entries from the world's top architects, designers and hospitality operators. The judges are a highly influential panel of top design, lifestyle and hospitality personalities, whose role is to recognise and reward entrants for design excellence. The winners of the various categories including the best designed restaurant and the best designed bar, will be announced at an Awards ceremony and party in central London in late September 2014.

You can register/enter by going to the website www.restaurantandbardesignawards.com. Entry closes at midnight on 20 April 2014.

CALL FOR ENTRIES

First start for EFA North West schools batch

The company that delivered the critically acclaimed Hope Academy and Cowley Language College is returning to St Helens to build another school.

Willmott Dixon has secured a £4.6 million contract to create a new home for Mill Green School, a co-educational day special school and college for pupils aged 11 – 19. Working with Aedas architects, M&E consultants Beverley Clifton Morris and engineers Mott MacDonald, Willmott Dixon will begin on site this month to build the single storey school on the site of the former Parr High School, with completion in August 2014.

Mill Green School is the first of four schools Willmott Dixon will deliver in the region after securing the Education Funding Agency (EFA) North West Batch Two contract last year following a competitive process. Other school projects that are part of the batch are Foxfield School, Redbridge and Bank View Schools and Aigburth School.

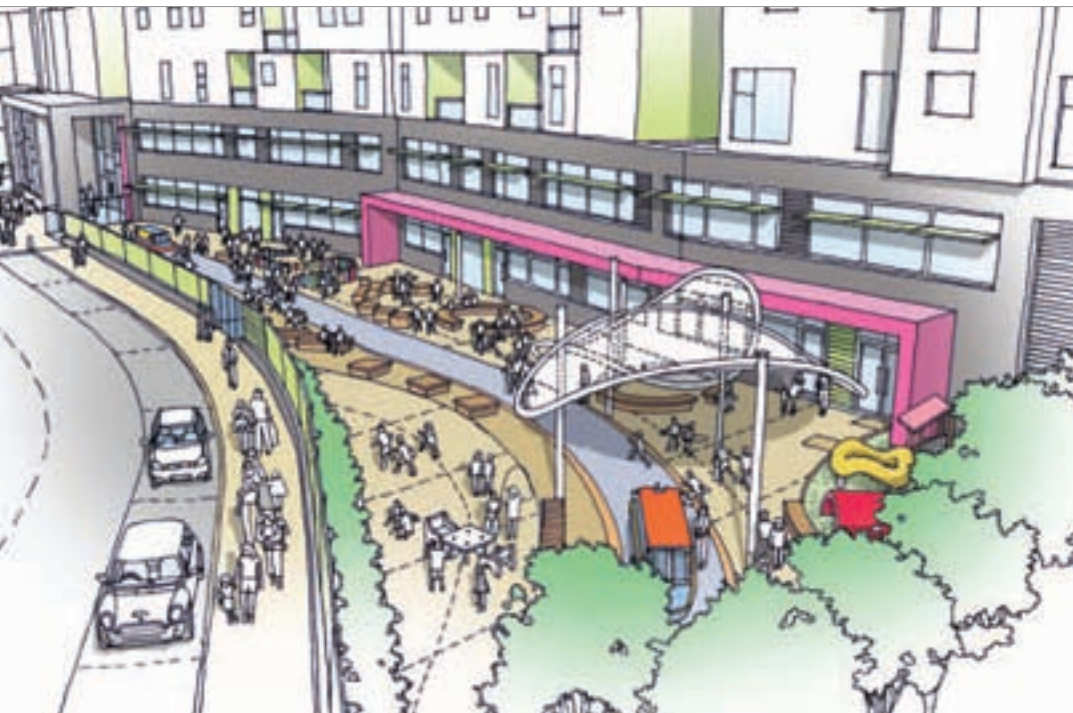
Council Leader Barrie Grunewald said, "The new school will enhance our special needs offer in the borough adding to our mix of schools catering for all needs."



Mill Green School

MIXED-USE SCHEME, LONDON

Landmark 387-399 Rotherhithe New Road Development is given the green light by Mayor of London



SCCD Development's proposal for a £40 million mixed-use scheme at 387-399 Rotherhithe New Road in London SE1 has been granted planning permission by Mayor of London Boris Johnson.

The project, designed by HLM, comprises a new home for the Southwark Free School, a Sixth Form Centre for the City of London Academy that will be shared with local community-focused charity Bede House, 158 residential apartments and a covered multi-use games area for the local community.

Tom Pratt, director of SCCD Developments, said: "We have worked closely with the community throughout the process to ensure the scheme provides what they want to see in the local area. We are glad the scheme has now been granted approval and can get underway."

Paul Turpin, lead architect at HLM, said: "Working within a constrained site, we developed a high quality architectural solution that brings together four key components working together to create a cohesive development that positively impacts the area, raises aspiration and stimulates regeneration."

"This innovative development will enable more than 800 school places in the area, and by obtaining this consent, it will allow the two schools to begin planning the additional places for their community."

The scheme has already been recognised for its design, receiving one of two Commendations in the Masterplanning and Mixed-use category of the prestigious New London Awards 2013, which recognises projects of the highest architectural and design quality as well as their contribution towards the local area. It has also been shortlisted in the Mixed-use Development category at the Placemaking Awards, which recognise projects, plans, people and organisations that are making places better. The winner will be announced on 28 January.

Simplifile
by Normid

simple to file | simple to find | simple to view



Plan Filing Solutions

01922 740 015
www.normid.co.uk
sales@normid.co.uk



enq.120

GUNNING HEATING
LEADERS IN NATURAL CONVECTION



Trench Heating

Trench Heating is the best way of providing a heating system in front of full glazed walls. Gunning Trench Heating is ideal for offsetting a draught from windows or glazed walls in extensions, conservatories, offices or anywhere that wall height is at a premium.



Tubular Radiators

Gunning Tubular Radiators are compact, low level heating units combining high output with a modern 'Hi-Tec' appearance. They are suitable for use in conservatories, bathrooms and in front of glazed areas and where wall space is limited. Comes in 5 sizes.



GUNNING HEATING PRODUCTS
Tel: 01268 545154 Fax: 01268 545154
Email: sales@gunningheating.co.uk
www.gunningheating.co.uk
Unit 12A, Durham Road, Laindon, Basildon, Essex, SS15 8PH

enq.121

LOFT CENTRE PRODUCTS

DIFFICULT ACCESS PROBLEM?

OUR LADDERS AND HATCHES ARE THE PERFECT SOLUTION



- ▲ Models to suit all spaces
- ▲ Vertical and ceiling access
- ▲ Electric versions available
- ▲ Fire rated hatches



With over twenty years experience and unrivalled technical expertise, Loft Centre Products has developed an exhaustive range of access ladders and hatches for all commercial applications.

Tel: 0845 676 0704 | Fax: 0845 676 0705
Email: sales@loftcentre.co.uk

www.loftcentre.co.uk

LOFT LADDERS | SPIRAL STAIRS | LOFT STAIRS
SPACE SAVERS | ELECTRIC UNITS | HATCHES

enq.122

events

AWARDS

The RIBA President's Medals Student Awards 2013

Until 29 January, London
www.architecture.com/whatson

Royal Gold Medal Lecture 2014:

Joseph Rykwert
 24 February, London
www.architecture.com/whatson

Royal Gold Medal & Fellowships Dinner 2014

25 February, London
www.architecture.com/whatson

Greenbuild Awards

7 May, Manchester
www.greenbuildawards.co.uk

CONFERENCES & SEMINARS

Asbestos and other Nasty Surprises

23 January, Birmingham
www.architecture.com/whatson

New garden cities: responding to the Wolfson Economics Prize

28 January, London
www.buildingcentre.co.uk/events

Delivering new housing models for London

12 February, London
www.newlondonarchitecture.org/events.php

Growing Communities: Meeting the Housing Challenge

25 February, London
www.buildingcentre.co.uk/events

EXHIBITIONS

Don't move, improve!

Until 6 February, London
www.newlondonarchitecture.org/exhibitions

Pop Art Design

Until 9 February, London
www.barbican.org.uk/artgallery/event-detail.asp?ID=14797

The Brits Who Built The Modern World

13 February - 27 May, London
www.architecture.com/whatson

New British Works: Today – Tomorrow

13 February - 27 May, London
www.architecture.com/whatson

Empire Builders: 1750 - 1950

30 November - 15 June, London
www.architecture.com/whatson

FESTIVALS

Wondercool

February, Copenhagen
www.wondercoolcopenhagen.com

Clerkenwell Design Week

20 - 22 May, London
clerkenwelldesignweek.com

The International Festival for Business (IFB) 2014

June - July, Liverpool
www.ifb2014.com

SHORT COURSES

Drawing Gymnasium – Winter 2014

3 February, London
www.buildingcentre.co.uk/events

TALKS, LECTURES & DEBATES

Cabe Seminar | Design & Infrastructure

28 January, London
www.eventbrite.co.uk/e/cabe-seminar-design-infrastructure-tickets-9124354189

Roland Paoletti 1931-2013

29 January, London
www.newlondonarchitecture.org/events.php

NLA 2014 Briefing – on the planning policies, developments & opportunities that will take centre stage this year

31 January, London
www.newlondonarchitecture.org/events.php

Perspectives on Architecture: Architectural Space in the Work of Ernő Goldfinger

11 February, London
www.architecture.com/whatson

Peter Milo Memorial Lecture 2014

11 February, London
www.architecture.com/whatson

The Universe in the Landscape

27 March, Newcastle
www.architecture.com/whatson

TOURS

Great British Buildings: RSA, London

20 January, London
www.architecture.com/whatson

TRADE SHOWS

Retrofit Roadshows

Date left: 28 January, Southampton
 11 February, Dartford
 18 February, Nottingham
 Spring, Bath/Bristol
 Spring, Glasgow
www.retrofit-roadshow.co.uk

Surface Design Show

4 - 6 February, London
www surfacedesignshow.com

Housing Expo

11 - 12 February, London
www.housing-expo.co.uk

UK Concrete Show

27 - 28 February, Birmingham
ukcs2014.businesscatalyst.com

kbb Birmingham

2 - 5 March, Birmingham
www.kbb.co.uk

Ecobuild

4 - 6 March, London
www.ecobuild.co.uk

Sustainability Live [including NEMEX, Energy Recovery and IWEX]

1 - 3 April, Birmingham
www.sustainabilitylive.com

Greenbuild Expo

7 - 8 May, Manchester
www.greenbuildexpo.co.uk

Design in Mental Health Conference & Exhibition

13 - 14 May, Birmingham
www.designinmentalhealth.com

The Eco Technology Show

26 - 27 June, Brighton
www.ecotechnologyshow.co.uk



The Eco 2014
TECHNOLOGY SHOW
 26th - 27th JUNE 2014
 THE BRIGHTON CENTRE

The premier event for sustainable
 build, energy, transport,
 technology &
 resource efficiency

REGISTER FOR YOUR FREE TICKET NOW AT www.ecotechnologyshow.co.uk

iema **environmentalist** **GREEN BUILDING COUNCIL** **housebuilder developer** **greenhouse** **building** **energy saving trust** **adf** **RICS**



Call For Our NEW Brochure!

PRIME OAK
www.primeoak.co.uk

THE FINEST OAK FRAMED BUILDINGS
 MADE IN ENGLAND

01384 296611 | email: info@primeoak.co.uk | www.primeoak.co.uk

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

SURFACE DESIGN SHOW

**BUSINESS DESIGN CENTRE
LONDON — 4-6 FEB 2014**

www surfacedesignshow.com

**THE HOME OF INNOVATIVE
SURFACES FOR ARCHITECTS
& INTERIOR DESIGNERS**

REGISTER NOW
www surfacedesignshow.com/ad

Incorporating

**SURFACE
DESIGN
AWARDS**

**BUSINESS DESIGN CENTRE
LONDON — 6 FEB 2014**
www surfacedesignshow.com

editor's focus

Burnham Environmental Services

The Biodigester sewage treatment plant from Burnham Environmental Services Ltd has achieved major success under substantial independent testing in both Europe and the USA. After 38 weeks of testing in Spain to EN 12566 Part 3 the testers advised: "The Biodigester has passed to a very high degree." The product has been awarded a CE Mark. After 26 weeks of testing in Texas, USA the testers advised that: "The product is as good as anything ever tested." Class A approval issued. These important approvals amount to a unique double achievement.

enq. 124



Gunning Heating Products

Gunning Heating Products now specialises in domestic trench heating delivered fully assembled for easy fitting. Trench heating is an ideal way to stop down draughts and condensation along glass areas. It is great for those hard to heat spaces and makes a heat curtain along the glass which also stops the warm air inside the room from escaping. Gunning tubular radiators are compact low level heaters with a high output. They are suitable for conservatories and rooms where wall space is minimal.

enq. 125

1st Folding Sliding Doors

1st Folding Sliding Doors Ltd is a national company based in London offering the supply and/or installation of specialist concertina style and sliding doors. The company has its own in house fitting teams to ensure the installation is carried out with the minimum disturbance. Alternatively, doors can be supplied and you can arrange for the installation to be carried out yourselves. Folding sliding doors provide a wider opening and are available in an enormous choice of colours and finishes, and security. They provide improved access, allowing the ultimate in free-running, lightweight operation.

enq. 126



Haigh

Pulp item macerators... trust the experts. As an established name in the manufacture, supply and service of macerator machines for hospitals worldwide, Haigh's specialist macerator range works with all leading pulp suppliers and can tackle key challenges you might face such as space, energy consumption, speed and reliability. With outstanding sustainable credentials, cost efficient water and energy usage, Haigh has a range of products to suit every hospital build project. For more information, visit the website or call to talk to a member of Haigh's team.

enq. 128



Glass and Stainless

Glass and Stainless Limited was born from a desire to combine extensive technical knowledge and high quality service with a premium quality product. Due to the expertise of the company's team, Glass and Stainless only specify the highest quality architectural products to the most stringent safety regulations looking at each project individually. The team pride themselves on their ability to design, develop and deliver the requirements of your project within the timescale and budget you set. See more about what the company can offer at the website or call one of the team.

enq. 127



2-5/3/2014

Kitchens Bedrooms Bathrooms

NEC Birmingham

Where smart design and
inspiration drive business

Be inspired by over 300
of the newest KBB brands
from across Europe

Register for your
free ticket now at
www.kbb.co.uk

Please quote promo code kbb45

Partnered by



Supported by



Organised by





Responsible sourcing standard for Eurobond

Eurobond Laminates is proud to announce that it has gained the prestigious accreditation – BES 6001 Responsible Sourcing of Construction Products – for its entire range of stone wool cored internal and external wall and ceiling composite panels. It becomes the first UK composite panel manufacturer to achieve this prestigious standard that demonstrates a building material has been produced in a way that has minimised its environmental impact. Responsible sourcing is becoming more important and this is reflected in BREEAM, which now awards extra credits for products that have been assessed to BES 6001. Managing Director Simon Thomas said: “Eurobond believes that effective environmental management is an essential part of our ongoing success and this latest award has demonstrated a clear commitment to creating a sustainable, low carbon manufacturing business.”

02920 776677 www.eurobond.co.uk

enq.129



EnviroVent wins national manufacturing award

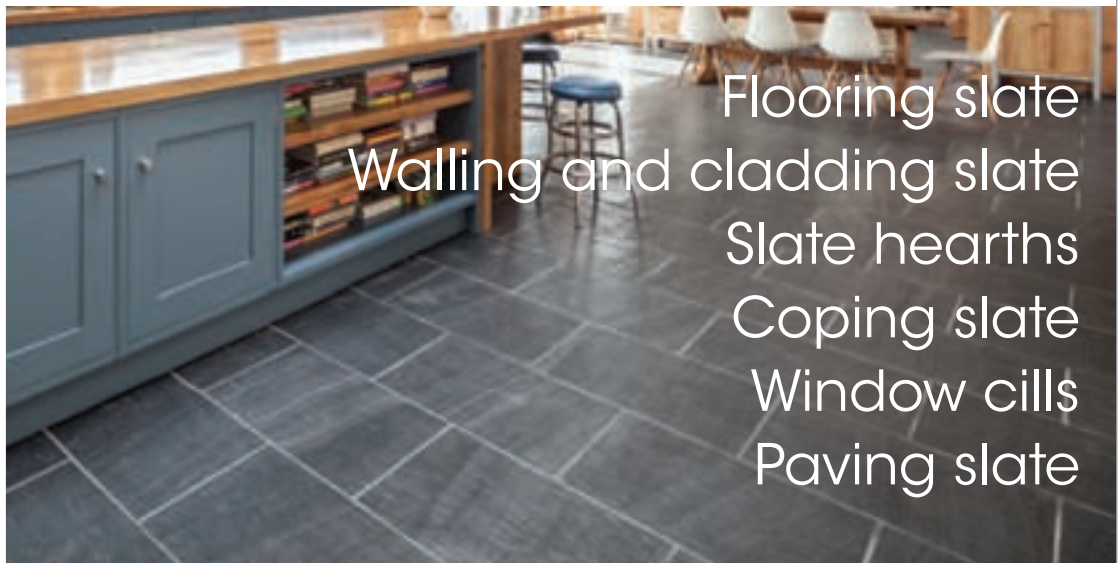
EnviroVent has been named SME Manufacturer of the Year at the National Manufacturer Awards. EnviroVent scooped the award – demonstrating that it is a rising star in the world of UK manufacturing – at a glittering ceremony alongside an array of blue chip companies including Rolls Royce, AstraZeneca, Jaguar Land Rover, FujiFilm, and Monarch Aircraft. What's more, EnviroVent is the first ventilation company to win this prestigious award, beating companies from the engineering and food industries. The company manufactures a wide range of energy efficient and innovative ventilation solutions, which improve indoor air quality in hundreds of thousands of homes by providing a guaranteed and permanent cure to condensation and mould. Managing Director Nick Heaton said: “EnviroVent is proud not only to be a UK manufacturer, creating many jobs, but also a world class designer which manufactures ground-breaking ventilation products, and this now proves it.”

01423 810180 www.envirovent.com

enq.130

Grey Slate & Stone Ltd

Slate is Only Limited by Your Imagination



Flooring slate
Walling and cladding slate
Slate hearths
Coping slate
Window cills
Paving slate

01766 514700 • sales@slateandstone.net • www.slateandstone.net

enq.131

Firestone receives further certification



Firestone Building Products are delighted to report that the eighth issue of BBA Agrément Certificate 89/2216 has been awarded for its RubberGard EPDM single ply roofing systems. In addition to the fully updated technical

standards featured in the new certificate, a study of long-term roof installations in the UK was completed during 2013. The single ply membrane used as a waterproofing membrane as part of a flat roof system was assessed in a variety of key areas such as weathertightness and durability. The certificate also includes information on the membrane's resistance to foot traffic, resistance to wind uplift and details on repairs, should this be required as a result of damage.

enq.132

Hattersley embraces BIM



Hattersley now offers an extensive range of valves as Building Information Modeling (BIM) ready product components, primarily available in the Autodesk Revit platform. BIM is increasingly being adopted by engineers, architects and builders to intelligently design buildings by creating a digital representation. At present,

Hattersley has made some of its traditional and balancing valves available as BIM content with others to follow. Judy Lumsden, Hattersley president, commented on the new BIM offering: "We are very pleased to be one of the first valve manufacturers to launch a comprehensive range of BIM ready components."

01744 458670 www.hattersley.com

enq.134

Schueco Jansen exhibit at Architect@Work



Steel systems supplier Schueco Jansen is exhibiting at Architect@Work, a specialist 'contact days' architectural event that takes place in London at the Earls Court Exhibition Centre on 29-30 January 2014. Visitors to the Schueco Jansen stand will see systems that

reflect the event's emphasis on innovation, in particular the company's Janisol Arte renovation window. This highly insulated window system, which won a gold medal for Innovation at Batimat 2011, combines a narrow face-width of just 25mm or 40mm with 'U' values as low as 1.6 W/m²K. Also on show will be examples of VISS Istra, a range of laser-optimised structural profiles.

01908 282111 www.schueco.co.uk

enq.133

New product catalogue from T-T



T-T, a leading UK manufacturer and supplier of pumps, controls, valves and ancillary equipment has launched a new 336 page catalogue. This comprehensive catalogue features all the standard products you come to expect from the company but also showcases a vast array of new products and more detailed information making product selection even easier for you. T-T has endeavoured to make the catalogue as user friendly as possible, reflecting their popular website.

There are 12 main sections covering submersible and surface mounted pumps for waste and clean water, accessories, pumping stations, valves and control systems.

enq.135

TTA urges extra care on tiling with mesh-backed products



In view of the increasing use of ceramic and stone mesh-backed tiles and slabs in the UK, The Tile Association urges extra care with the specification and installation of such products.

These products tend to have a mesh adhered to the back with resin or glue. It means that the adhesive used to fix the tile has to adhere to the backing mesh. Dependent upon service conditions, the type of backing may have a significant impact upon performance. It is also important to note that the coefficient of thermal expansion of the mesh back and its resin/glue may be higher than the tile or natural stone to which it is attached.

Apart from reference to BS 5385 and BS 8000-11 regarding mesh-backed products, the TTA advises that as a guideline, if the mesh and glue cover more than 25 per cent of the back of the product, they could interfere with adhesion between the product and the mortar or adhesive bed unless the glue and the mortar or adhesive are compatible. Advice and help on this subject or other aspects of tiling can be found in the Help section at the TTA web address as below, under common questions and architect support.

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

enq.136

Eurobond Laminates launches new and improved website



Eurobond Laminates has launched a new website packed with information and advice on its range of fire resistant, low environmental impact stone wool core composite panels. The new website has been designed to provide the ultimate user-friendly experience with improved navigation and functionality throughout, allowing architects, specifiers and contractors to access technical information, design support and a BIM library. With a new design and greater and more focused content, the new website provides a complete overview of the Europanel, Rockspan, Rainspan and Firemaster product ranges.

The new website provides a full range of resources to help understand, specify and integrate Eurobond Laminates products into a project. Downloadable information includes: Company and Product Brochures, Technical Manuals, Environmental Product Declarations, Certificates and Accreditations, BIM files and COBie datasheet parameters, and a wide range of construction details.

02920 776677 www.eurobond.co.uk

enq.137

Ruukki's new northern star



Ruukki UK Ltd is pleased to announce the appointment of a new addition to its UK sales team, Area Sales Manager, North, Kevin Burton. Ruukki Construction in the UK offers a sustainable and energy efficient product portfolio comprising composite panels, rain screen cladding, design profiles, prefabricated offsite systems and load bearing structural decking. Kevin has vast experience in this industry working with similar products. UK Country Manager, Gareth Ellison said:

"Kevin's strong background in specification sales and contractor relationships will strengthen our team and generate further growth in our UK business. We warmly welcome him and wish him every success in his new role."

enq.138

Fernco Environmental renamed 'Source One'



Since 1st January 2014, Fernco Environmental, suppliers of water management and infrastructure repair products, has been renamed **Source One Environmental Ltd**. The new name reflects that of its US based sister company also owned by the Fernco Group, which trades within similar industries. The change creates a powerful global brand with presence

in North & South America, Europe and Australasia. Managing Director Jon Crean explained: "The company remains committed to its goal of bringing innovation and new technologies to market. 2014 will be an exciting year for us, as we have some impressive new ideas in development across our whole range."

01226 397 015 www.s1e.co.uk

enq.139

Changing Places in 3D



The Changing Places accessible, assisted toilet 3D CAD download, available only from **Clos-o-Mat**, has been purpose-developed to help designers plan building layouts and visualise how the room differs from a standard (Document M type) wheelchair-accessible toilet, the range of equipment therein, and how

it all integrates to enable anyone who needs the help of a carer to go to the toilet when away from home. The 3D CAD download compliments the range of 2D CAD downloads and video already available on Clos-o-Mat's website and via external resources including NBS.

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

enq.140

adf

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.

www.adfonline.eu – register now



Coloured Movement Joints
Car Showrooms | Domestic | Transport | Retail

Bespoke Movement Joints
Manufactured for your Project

VIEW OUR NEW WEBSITE
www.colouredmovementjoints.co.uk

VISIT US:
Surface Design Show, Stand 124
Exhibition Street, S14

Colours to match the full RAL range

CMS Coloured Movement Joint

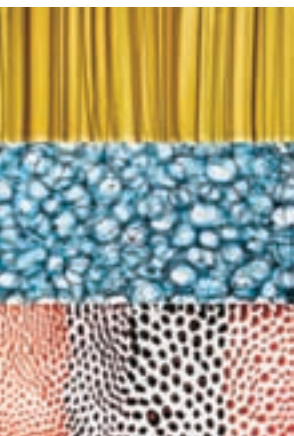
CMS Standard Movement Joint

Coloured Movement Joints produce bespoke joints for Hard Flooring, Natural Stone and Slabs. We specialise in colour matching our joints to the ground or the floor finish creating a stylish designer look and a seamless finish.

Coloured Movement Joints Ltd
Telephone: 01924 300 110 | Email: info@cmj.co.uk | Website: www.colouredmovementjoints.co.uk
Unit 1 | Waverfield Business Centre | Derby Road | Vauxhall | West Midlands | WF2 7AC

enq.141

Designs to look out for



Examples of Notarianni Glass surfaces



Design by Emilie Osborne the above is Burst – photographed by Lightbox Studios and featured on the cover: Right is a design also by Emilie



An African face printed on tiles by Waxman Ceramics

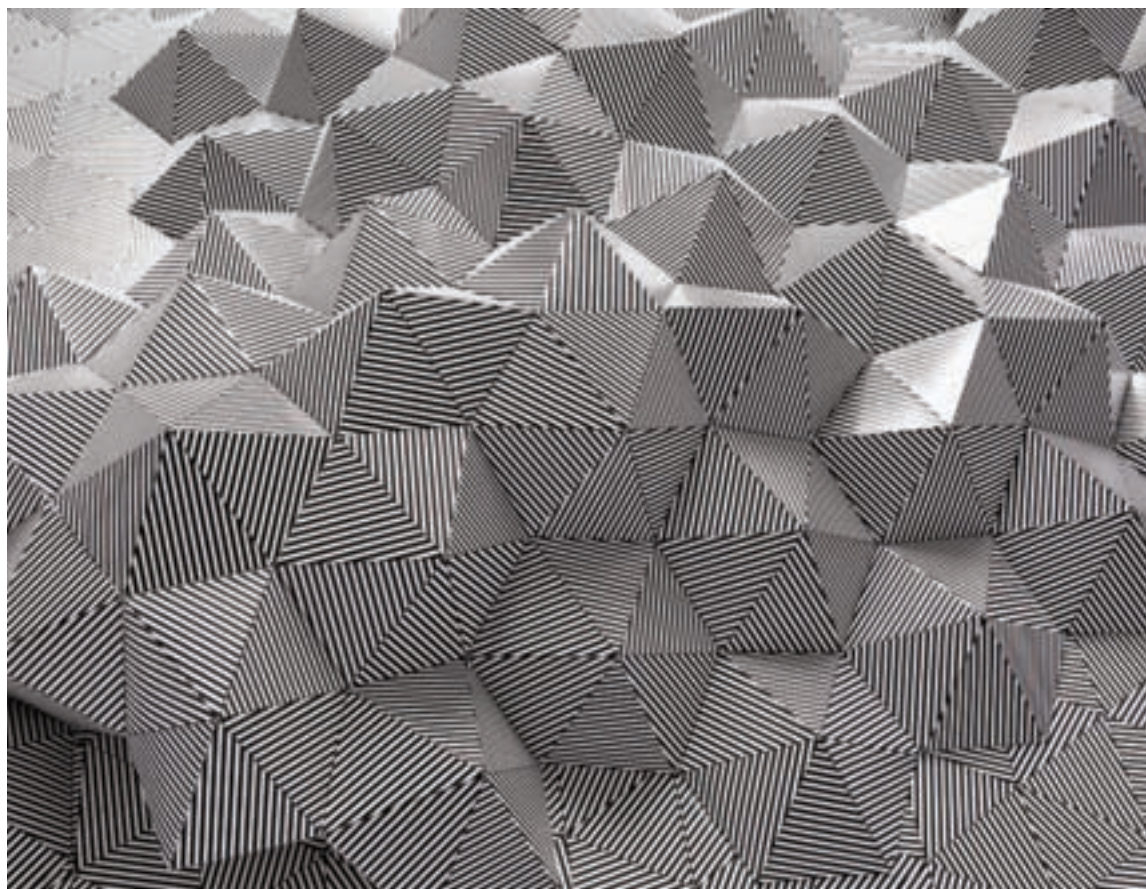


The highly successful Surface Design Show returns to the Business Design Centre, London from 4–6 February 2014. It is the leading event for architects and interior designers to source new, cutting edge and inspiring interior and exterior surface solutions. The 2014 show will be the 11th edition of the event and with rapid changes in technology and the environment the show has never been so essential to contemporary architecture and design.

Among the large number of exhibitors such as Ceramiche Caesar, Vicalvi, Applec and Sound Control Services you will find innovative natural materials such as pioneering natural stone, wood, tiles, recyclable materials, living materials, metal, paint, luminescent surfaces, the latest cladding designs, wall covering, flooring and ceilings. Ranging from acoustic wall solutions to high quality printed concrete walls; the show is a big source of inspiration and innovative ideas for architects and interior designers.

The event kicks off on Tuesday 4 February with a themed Preview Evening hosted by the RIBA on Traditionalism, Modernism and the Vernacular, this will be an opportunity to debate and discuss the role of materials in architecture and the vernacular in the built environment with some of the best known characters in the industry. Wednesday 5 February sees Cany Ash, of Ash Sakula, chairing a lively PechaKucha evening with a line-up of industry innovators including designer Adam Furman of Ron Arad and Mark Ridler of BDP Lighting.

Future Thinking, an interactive exhibition curated by Arup called



21st Century Fragments will be showcasing actual fragments from Arup's most innovative building facades. The unique look 'behind the facade' will reveal the thinking and materials technology that drive their design.

Global Color Research, the company behind Mix Trends forecast book returns to the show with a trend wall where samples of materials, colour palettes and inspirational images will give you an insight into future trend concept themes for Spring/Summer 2015.

On the final day of the show, Sarah Featherstone, architect and director of the award winning practice Featherstone Young, will be giving the keynote address at the Surface Design Show Awards Presentation where the 2014 winners will be revealed. The awards are the best in progressive design and innovative surfaces and are the only international awards to focus exclusively on surface design.

Finally, Fringe Thinking underpins the show with an interesting and topical programme of CPD seminars, presentations and debates from the likes of AIS, SBID and Mix Trends.

Light School

The extensive and thought provoking programme of live debates, seminars and presentations features Light School the show's new focus on lighting. Presented by Sharon Stammers of Light Collective, Light School is a series of inspirational talks and demonstrations that will change the way delegates think about light, with 15 of the top UK lighting designers presenting master classes for architects and interior designers over the course of the three-day event.



Design duo Sharon Stammers and Martin Lupton of Light Collective

Look out for



Coloured Movement Joints produce bespoke joints for hard flooring, natural stone and slate. They specialise in colour matching joints to the grout or the floor finish creating a stylish look and seamless finish. CMJs are designed and manufactured to exceed the requirements of BS 5385 and are part of a wide range of trims and accessories for flooring. Visit CMJ on stand 124.

enq.142

Coloured Movement Joints

Car Showrooms | Domestic | Transport | Retail

Bespoke Movement Joints

Manufactured for your Project

VIEW OUR
NEW WEBSITE
www.colouredmovementjoints.co.uk

VISIT US:

Surface Design Show - Stand 124
Exhibitor - Stand 124

Colours to match the full RAL range

CMJ Coloured Movement Joint

CMJ Standard Movement Joint

Coloured Movement Joints produce bespoke joints for Hard Flooring, Natural Stone and Slate. We specialise in colour matching our joints to the grout or the floor finish creating a stylish designer look and a seamless finish.

Coloured Movement Joints Ltd

Telephone: 01924 360 965 | Email: info@cmj.co.uk | Website: www.colouredmovementjoints.co.uk

Unit 16 | Woodfield Business Centre | Cherry Lane Road | Woodfield | West Yorkshire | WF2 7AG

enq.143



reader
enquiry

144



Rawstone range

A. Proctor Group at Surface Design Show



The A. Proctor Group will be exhibiting both its painted and natural Timber Cladding ranges on stand 256 at the Surface Design Show next month. Silverwood is a factory-finished painted timber cladding for a modern aesthetic look. Silverwood has been established for over 20 years and offers a diversity of colours appearances and profiles. There will also be the opportunity to find out about

Canjaere Classic, a rough sawn cladding for a more natural finish. Timber Cladding is one of the A. Proctor Groups core divisions, and its partnerships with Silverwood and Canjaere have strengthened its product portfolio.

01250 872 261 www.proctorgroup.com

enq.145

Knauf AMF shows how to create impact



Knauf AMF Ceilings is recognised by specifiers for high quality ceiling and acoustic solutions, which is why it is exhibiting its innovative Heradesign ceiling and wall panels at the 2014 Surface Design Show on 4-6 February at the Business Design Centre, London. Heradesign are sustainable, distinctive wood-wool based

ceiling tiles and wall panels, which are cost effective and easy to install. Visit Knauf AMF Ceilings at Stand 304 to find out more about Heradesign including advice on applications, technical information and for free samples. Knauf AMF Ceilings can also provide advice about its other high performance acoustic solutions.

020 8892 3216 www.amfceilings.co.uk

enq.147

Fila to showcase at Surface Design Show



Fila is set to showcase a series of new solvent-free surface treatments at the Surface Design Show 2014 (Business Design Centre, London – 4-6 February). It will include LEED-approved FILAMP90 ECO PLUS – a high performance sealant developed for internal and external polished and unpolished natural stone, as well as polished porcelain surfaces.

Other new treatments on show will include FILAPW10 – a solvent-free contaminate-blocker designed for professional treatment of absorbent materials, including stone and terracotta. Both new products join Fila's Green Line – a range of water-based, biodegradable products that have a very low VOC content.

01584 877286 www.filasolutions.com

enq.146

Door closer gains in health sector



Powermatic concealed door closers from Samuel Heath are becoming increasingly popular for new-build and improvement projects throughout the healthcare sector thanks to the many safety and hygiene benefits that it offers. Being totally concealed when the door is closed, both standard

and free swing versions of Powermatic offer few surfaces on which dust and potentially harmful detritus can accumulate. Where safety is concerned, Powermatic is ideal for anti-ligature and anti-barricade applications in post-natal depression accommodation, psychiatric facilities and secure units. Its concealment also means that it presents very little opportunity for its mechanisms to be vandalised.

0121 7664200 www.perko-powermatic.co.uk

enq.148

BIODIGESTER EST. 1987
sewage systems for the modern world

SEWAGE TREATMENT PLANTS FOR PROPERTIES WITHOUT MAINS DRAINAGE

- Simple process
- Simple installation
- Economical maintenance
- Tested to EN 12566 - Part 3

NEW 'T9'
FOR 9 PERSONS

'T6'

AIR BLOWERS AND SPARES
RAINWATER HARVESTING

Tel: 01278 786104
 Fax: 01278 793380
 Email: sales@biodigester.co.uk
www.biodigester.co.uk
 Burnham Environmental Services Ltd.

enq.149

We Build It Ltd
simple solution sewage systems

The Bio-Pure

- Suitable for homes without access to mains drainage
- Discreet solution to on-site sewage treatment
- 10 models in the range with a capacity up to 50pe
- CE Marked and EN 12566-3 Certified
- Uses the extended aeration method to treat sewage
- 96% efficiency allows a typical 3-5 year emptying interval
- Visually unobtrusive and odourless
- 25 year warranty on GRP & 2 year warranty on the air pump
- Deal direct with the UK Manufacturer

0800 731 9421 www.webuildit-ltd.co.uk

enq.150



© Richard Chivers



Extra-care facility

The Hannington's Depository in Brighton was in need of emergency surgery. Her health had declined in recent years, and, while demise was not imminent, quality of life was low. Would she find the urgent attention needed to restore her to health? Michael Willoughby finds out

Demolition would have been a cruel fate for the much-loved, highly-elaborate Victorian building on Montefiore Road. Built by prolific local architects, Clayton & Black, the structure, with its graceful arched windows and wide open spaces, had gradually fallen out of favour. After being converted into Legal & General offices in 1973, it had remained uninhabited until 2006.

Impeding conversion were uneven floors, confusing ramps and internal staircases – an unattractive (or expensive) prospect for modern companies seeking part of the quirky city's unique character. The bedridden Victorian aunt seemed

doomed to convalesce until lingering death.

Happily, private healthcare operator Spire saw life in the old girl and decided the best thing would be to set her to work helping others: the Montefiore Building would become an incredible private hotel for in and outpatients. It employed highly-experienced health architects, IBI Nightingale, to create a plan of rehabilitation for building and people alike, using light, art and grace to help all through the healing process – and to encourage the calibre of staff such an outfit required.

"When I first saw the building, I immediately perceived it would be a complex puzzle," says Project Architect, Richard

From left, the new exterior facade, the entrance lobby showing waiting area and the lobby view of the reception desk and lifts



© Julie Claxton



© Richard Chivers

Ager of the outfit's Brighton studio. But the conversion from office to hospital wasn't a given.

"Fire strategy in hospitals is complex and different," says Ager. "If we couldn't get it to work, then we wouldn't have been able to do it."

Hospitals require a certain number of compartments, lifts and stairs so people can get out in an emergency. They might be staying overnight or in an operating theatre when fire broke out.

"In the end the fundamentals showed we could alter the horizontal and vertical circulation and it would work. People could get out of the building from the floor they found themselves or via stairs or lifts if not."

Gaining planning involved a change of use from office to hospital and was never really in doubt, says Ager, due to the difficulty of otherwise letting the building. Speedy consent was helped by the prospect of job creation – and granted as long as plant on the roof was painted a uniform colour.

With legal consents in place, the task was to turn a complicated office building into a four-storey hospital.

There were pros and cons. On the plus side, it was much quicker to build in an existing structure than create a new build – even with requirements for change of use from office

to hospital and fully stripping back.

In the minus column, were the fixed-service cores – of no use in a hospital – and the wonky floor plate, not to mention the huge size of the building with its inefficient shape of a former warehouse. Approximately £5 million of structural work was needed, including a new steel frame to safeguard against disproportionate collapse. Practical completion was achieved in November 2012.

The team solved the floor problem by pouring cement onto membrane-separated polystyrene blocks which sat on the original timber floors. They then destroyed the blocks and the wood, leaving an even concrete layer. This way of going about things allowed the team to gain almost a month of programme in-hand.

New staircases and lifts were created. Fire escape stairwells have been left exposed to tell the structural story of the building's conversion. The severed beams are the remnants of demolished floors. Three large columns had to be removed from the operating theatres and holes were punched through building walls to join up corridors in a logical fashion. Anything taking up valuable space was also ejected.

And the "inefficient" space turned out to be the building's chief asset: in some places, the building was more than twice

Continued on page 33...

'The "inefficient" space turned out to be the building's chief asset: in some places, the building was more than twice the minimum size required by NHS design guidance'

PULP ITEM MACERATORS... TRUST THE EXPERTS

HAIGH

Hygienic Solutions

As one of the leading suppliers of Sluicemasters to PFI hospital projects in the UK, we understand your need for expert advice, technical support and great service back up.

With outstanding sustainable credentials, cost efficient water & energy usage, we have a range of products to suit every hospital build project.



Tel: 01989 760200

info@haigh.co.uk www.haighmed.com

[@haighmed](https://twitter.com/haighmed)



enq. 151

Why aren't you wireless?

Safe, proven, affordable.

Aid Call wireless nurse call is safe, reliable and proven with over 3,000 systems installed nationwide, and at a fraction of the cost of a wired system.



Aidcall
safety**first**

0800 052 3616

www.aidcall.co.uk

Quote Ref: ADF

Government
Procurement
Service supplier



enq. 152



© Richard Chivers

the minimum size required by NHS design guidance. Corridors are often double the width needed.

“It’s appreciated in the end product and frequently commented upon,” says Ager. “It’s good to be able to do this rather than being forced to work to a minimum.”

Not much structural change was made to the facade, though: a barely perceptible infill on the front was made to accommodate both the bedroom and waiting areas. The red-brick-faced exterior of the building took painted render and western red cedar cladding, story-height composite aluminium-timber windows, light-grey spandrels, and white-translucent and clear-glazed units. On entering, visitors are ushered into the clear-glazed entrance foyer, contrasting with the dark-tinted glass over the rest of the facade.

The impetus (and ability) to create a hospital, which exceeded expectations carries through to the interior and layout. The aim was to create a “serene, calm,” environment. In a nod to past glories, elements of the original building have been allowed to show through, including cast-iron columns created by the same foundry that made nearby Brighton Pier.

The hospital’s ground floor is dominated by a reception area featuring an audio-visual art piece by the visionary Brian Eno (see box).

Brian Eno

The legendary artist and musician, Brian Eno became involved in the project after one of the organisation’s surgeons, Robin Turner, had encountered his music at the 2010 Brighton Festival. He noted how transfixed people became listening to the work and knew Eno’s manager lived nearby.

The ground floor piece, 77m paintings, consists of a digital animation of Eno’s many pictures merging and separating on eight screens – visitors will apparently never see the same image twice because it won’t appear for 100 years. The lower-ground piece is a quieter and more contemplative colourful backlit box, which can be enjoyed by up to six people using the hospital. Both are aimed at slowing the viewer down.

As well as providing a draw to the hospital, Turner thought that the works of art might help patients in the healing process. To check this theory, Diane Waller Professor of art psychotherapy at Goldsmiths studied the physiological effects of the artworks within the hospital.

‘In a nod to past glories, elements of the original building have been allowed to show through, including cast-iron columns created by the same foundry that made nearby Brighton Pier’

Continued overleaf..



© Oliver Perrott

Lower ground floor art installation by Brian Eno – a light show aimed at slowing the viewer down

The lobby is decked with porcelain floor tiles and inset carpet. Its colour-palette (chalk white, grey and magenta) reflects Montefiore's branding. The elevators are faced with bronze.

The boutique hotel-like welcome masks the technical aspects of the hospital on the ground floor: the MRI and CT Scanners. "The many tonnes of superconducting equipment is always delivered," says Ager, "with many problems." On this occasion, there was the requirement for them to be on the ground floor so they could be shifted directly from the car park. And even then the rooms had to be insulated to protect the bedrooms above from noise.

The lower-ground floor features a second Brian Eno installation, sited next to the chemotherapy department as well as a landscaped garden. This is abutted by a new glazed stairway letting light enter and people observe the garden from inside.

The garden is largely subterranean and so includes ferns and other low-light plants. Trees were semi-mature, underlining the significant investment made.

On the first floor of the building are 21 luxury bedrooms with en suite bathrooms. The beds' heads were developed with the ward matron to include medical service. The important thing here, says Ager, was to minimise the number of services, avoid surface-mounted trunking and to conceal power points. Everything went towards creating a more domestic feel. Rooms make full use of the signature half-round windows from the facade in order to maximise light entering. Patients have a view of the street or onto the courtyard.

Light also features heavily in the second-floor operating theatres, which funnel daylight from the main facade in order to make surgeons happier. "Daylight in operating theatres is



© Julie Claxton

Architect
IBI Nightingale

Structural engineer
Gyouri Self
Partnership LLP

Mechanical engineer
John Packer Associates

CDM coordinator
MacConvilles
Surveying

QS
MacConvilles
Surveying

Acoustics
Cole Jarman

BREEAM
John Packer Associates

Main contractor
Mansell Construction

very desirable for consultants,” says Ager. “They do very long hours and so even a glimpse of sky is appreciated. It’s a big selling point.” The theatres also have a/v cameras and screens transmitting to other parts of the hospital or even offsite. It’s a large investment in software keeping the hospital at the forefront.

Indeed, the quality of the build and appointment was important not merely for the healthcare firm’s customers, but also to attract the required talent. An expert surgeon figures as much in a potential patient’s decision to go private or to choose a particular facility as how it looks.

“You’ll see that the building has no front and back of the house,” adds Ager. “The quality of the front areas carries through to the staff quarters. Often, especially in London, you will see this deteriorate. At the Montefiore, though, no expense has been spared.”

Staff are treated to their own private restaurant and terrace on the third floor and these sit among the office space.

The upper floor is to house a somewhat mysterious hospitality space replete with beached raft offering views of the South Downs and the sea. However, a date to start work on this has not been agreed. Ager says everyone keeps asking about it and assures me it’s all ready to go.

Given the success with which the project has been received, it’s worth asking if its influence can be carried through the public sector and its PFIs and prefabrication.

“I would love to be able to replicate this in the NHS,” says Ager, who has worked on other hospitals for public projects. “But then there are financial constraints...”

The rest of us might benefit from art in hospitals, he says: a number of trusts are interested in pursuing the Eno idea.



© Oliver Perrott

‘The quality of the front areas carries through to the staff quarters. Often, especially in London, you will see this deteriorate. At the Montefiore, though, no expense has been spared’

Richard Ager; project architect at IBI Nightingale’s Brighton studio

Large capacity platform lift transports beds with ease!

The Axess4All A8000 large capacity platform lift was the ideal solution for the access requirements at Lewis Manning Hospice in Poole. A vertical platform lift was the perfect choice to fit into the existing building, as well as to accommodate the capacity requirements to transport patients in beds, accompanied by the Lewis Manning team.

It was stipulated from the initial enquiry that the lift needed to fit into an existing lift shaft – as Axess4All are experts in installations within existing environments it was business as usual. The flexibility of three size choices meant that the installation could go ahead with ease and minimal disruption.

In addition to this, the A8000's unique features of a 1,000kg weight capacity and choice of the largest size platform measuring 1,405mm in width



by 2,480mm in length, provided a flexible access option for the varying needs that visitors to the hospice have.

The main requirement for the lift was to transport a nurse, bed and patient between the ground

and first floor. Not only this, but there needed to be sufficient room for any accompanying equipment, such as drips or other auxiliary devices.

Although the option was available to select glazed shaft panels, the A8000 was being installed within an existing lift shaft, so this wasn't necessary; the standard steel panels, powder coated in white, were selected. These provide a clean and bright appearance, complementing the clean and bright aesthetics of the hospice surroundings.

The features of a glazed door, providing visibility in and out of the lift, automatic lighting and an emergency battery lowering device, ensuring the lift can be lowered to the ground floor and exited with ease during power failure, means that the A8000 large capacity lift has brought many benefits to the fantastic facilities at Lewis Manning Hospice.

Call 0844 375 8882, email sales@axess4all.com or visit www.axess4all.com

enq.153

ThermoLine

The Revolutionary Hygienic Worktop Solution



Why choose ThermoLine?

- Pre-formed worktop with integrated covered upstand and anti-drip front edge
- Made from DuPont™ Corian®
- Exceeds the high performance requirements for a clean working environment
- Stronger than other worktops
- Fast to make and install
- Cost effective

DuPont™
CORIAN®



CD (UK) LTD
Telephone: 0113 201 2240 Fax: 0113 253 0717
web: www.cdukltd.co.uk email: info@cdukltd.co.uk

www.cdukltd.co.uk/thermoline



Follow us on twitter at
<http://twitter.com/cdukltd>

enq.154

New rebar continuity system wins praise



Ancon KSN anchors represent a completely new approach to reinforcement continuity at slab-to-wall construction joints. They have been 'Highly Commended' in the CONSTRUCT Innovation Award, which recognises excellence and innovation in the concrete industry. The awards submission was based on Liverpool's

showpiece £167 million 'Alder Hey in the Park' hospital project, where 2,500 linear metres of KSN anchors have been used to connect pre-fabricated panels to in-situ cast slabs across four floors. The 130mm anchors were installed off site into 200mm thick precast concrete walls.

0114 275 5224 www.ancon.co.uk

enq.155

Craven Dunnill tiles selected for Health Centre



Craven Dunnill, the ceramic tiles distributor, has supplied slip resistant floor tiles for the new-build NHS Health Centre at Alcester. The company fulfilled the detailed specification with one of its stocked, contract tile ranges, supplying 600 x 600mm porcelain floor tiles for

the high footfall areas of the pharmacy, reception and corridors. The Italian made, unglazed floor tiles feature rectified edges and a textured grey surface, which are particularly suited to patients with impaired sight. The high quality porcelain tiles are robust, hard-wearing and easily maintained. Craven Dunnill provides a full contract service including nationwide delivery from its UK stocks.

01746 761611 www.cravendunnill.co.uk

enq.156

Taking the office experience to new heights

London's striking Leadenhall Building is so impressive it's easy to forget it's been designed for a commercial purpose too, writes Ray Philpott

It is yet to be formally opened but there's no doubt one of the capital's newest skyscrapers is already a British icon. The eye-catching, 50-storey Leadenhall Building is located in the historic heart of the City and has deservedly attracted a lot of attention for its wedge-like shape, innovative structural design and the exciting new public space it has created at ground level.

This building, designed by Rogers Stirk Harbour + Partners (RSHP), inspired Mayor of London Boris Johnson to describe it as: "The latest landmark to grace London's iconic skyline."

Leadenhall stands opposite the Lloyd's Building, near 30 St Mary Axe (aka the Gherkin). It's close to many impressive, historic structures including a Grade II listed building designed by Edwin Lutyens and two Grade I listed Churches, St Helen's Bishopsgate and St Andrew Undershaft. Most significantly of all, it can be seen standing behind and to the side of St Paul's Cathedral when the skyline is viewed from Fleet Street, which forms part of the traditional ceremonial route to the cathedral.



For lead architect and Partner, Graham Stirk, this factor directly influenced the building's dynamic form and, consequently, its structural design. Stirk explains the thinking behind the tapering shape: "Great time and detail has been taken to ensure the design of the building complements the surrounding architecture, particularly with regard to London's viewing corridors. Seen from the west, looking towards St Paul's Cathedral, The Leadenhall Building appears to 'lean away' from the historic monument."

Continued overleaf...



Above left, a still from a film by Dan Lowe and Paul Raftery, showing unimpaired view of St Paul's Cathedral from Fleet Street, and (above) Leadenhall viewed from the Thames

BUILDING PROJECTS

The lower part of the building has been designed as an attractive public space (right) with occupied floors above it (far right)

‘One of the most powerful aspects of the overall design is that, while it is very much a set-piece building, it also sits comfortably in a remarkably compact site’



Graham Stirk, lead architect



This leaves the cathedral dome still framed by a clear expanse of sky.

Stirk's design leadership is the powerhouse behind many of RSH's high-profile projects including One Hyde Park and the British Museum Extension and he has contributed to the Paddington Basin Masterplan.

Unsurprisingly, like many significant and distinctive structures, Leadenhall has earned itself a populist moniker – The Cheese grater. This well-used nickname clearly indicates that the building is already firmly embedded in the public consciousness, which is good news for client British Land.

Unique public space

Leadenhall is not only visually innovative but structurally, too. Its primary strength comes from a perimeter-based steel megaframe – not in itself unique – but it has the unusual feature of having the lifts and other services contained in a separate tower on the north side, to free-up space in the main building.

At ground level there is a sunlit public space and galleria, seven storeys high and almost the entire footprint of the building. It provides pedestrian routes across the site and features a terraced bar and restaurant, shops and hard and soft landscaping. RSH describes this area as a “rare oasis”, and “a major new meeting place and a unique destination in itself.”

One of the most powerful aspects of the overall design is



that, while it is very much a set-piece building, it also sits comfortably in a remarkably compact site. For example, the over-sailing canopy of the galleria space is positioned to align visually with the cornice-level of the adjacent listed building by Lutyens. The open space at street level means the building, despite its scale, has a surprisingly light touch where it meets the ground, due to subtle aspects of the design that are integral to the overall concept.

Stirk explains: “We try to balance flexibility with more customised, intimate spaces. The enclosed atrium gardens at the foot of the Leadenhall Tower are driven by an idea of intimate public space.

“The galleria was always intended to be a place for everyone. We’re confident it will become a popular place in the City’s rich pedestrian environment and stands in contrast to the ticketed, fee-paying access to other tall buildings in the vicinity,” says Stirk.



The main Leadenhall Building reception provides access above via an array of scenic lifts

A grand view

While the public space will be a welcome addition to life in the City, the building's primary function is to provide office space, which takes up the vast majority of the occupied floors. In fact, it boasts the highest office accommodation in the capital. Available floor space on each floor ranges from 1,950 sq m to 557 sq m, enabling the client to offer occupants a wide range of options.

Stirk says: "The design is the result of a powerful distillation of the key components of what makes a successful office building. The distinctive profile is further emphasised by a clearly legible structure that, when combined with the dynamic vertical movement on the north core and the cathedral-like public space at the base, forms what I believe is a building that displays an immense, if not heroic, clarity."

But on a day-to-day basis, how will the building impact on those actually using or visiting the offices when Leadenhall opens fully this summer?

On arriving, the external approach takes the visitor through the bright, vibrant public galleria at ground level giving access to escalators going up to the two elevated reception levels. From these there is an array of 22 glazed, scenic lifts to catch.

These are pretty impressive features in themselves but the vistas from the office floors are truly spectacular. The lack of a central concrete core means the floorplates – which progressively diminish towards the apex – are completely open, allowing panoramic, triple-aspect views out to the south, east and west. Each floor has very few columns, typically just four, due to the use of long 16m spans.

Project Architect Andy Young is enthusiastic about the visual feast to be enjoyed from inside the offices. "The ability to stand in the centre of a floor and look out in so many

directions is something that is very unusual in a high-rise building," he says.

In addition to the aesthetic considerations there are very many practical benefits for those occupying the building. Facades for the office area are designed to meet the highest comfort criteria when it comes to heat loss, daylight, glare, control and solar gain.

A layer of double glazing sits inside the buildings' outer glass skin, creating a 1m deep cavity that incorporates the structural frame. Air from outside is circulated around this cavity via vents in the outer skin.

Young adds: "The facade is effectively triple-skinned with computer-controlled venetian blinds that adjust automatically to the sun."

The northern tower contains the lifts, service risers, on-floor plant and toilet facilities and its location away from the office areas, and that means the offices don't have to be heavily clad with fire protection, resulting in less restricted views out.

"The overall feeling is one of being inside a huge machine with lots of moving parts – elevators, counterweights, solar blinds – as the architecture shows how everything is working and how the structure is held together. The scale of the visible structure should also create a sense of immense robustness," says Young.

A different approach to structure

As with any building design, safety is of paramount importance, and at Leadenhall it's strongly integrated into the structural layout.

The positioning of the two fire escape and fire-fighting cores at the north-east and north-west of the floors provides diverse locations for escapes, thus reducing the likelihood of an

Continued overleaf...

'The distinctive profile is further emphasised by a clearly legible structure that, when combined with the dynamic vertical movement on the north core and the cathedral-like public space at the base, forms what I believe is a building that displays an immense, if not heroic, clarity'

Graham Stirk



Andy Young, project architect



© The Leadenhall Development Company Ltd

Modular construction was extensively used in the project (above, left). The distinctive metal framework of the North Tower can be clearly seen (above, centre and right)



© The Leadenhall Development Company Ltd



© The Leadenhall Development Company Ltd

event causing all escape routes to be disabled or blocked.

Young adds: "The open galleria and the location of all office accommodation at more than 24m above ground level also reduces the proximity of most of the populated accommodation from any street level risks – such as a vehicle-borne terrorist threat, for example."

Safety was just as important a consideration during the building process. A substantial reduction in risk of accidents on site was achieved by making well over 80 per cent of the project's components off-site through the state-of-the-art Design for Manufacture and Assembly (DfMA) processes used by main contractor Laing O'Rourke. This process increases the quality of materials and installations.

Young explains: "Structural components of the building are manufactured in factory conditions and assembled on location. This reduces the number of operatives needed on site and makes the process much more about assembly of pre-made components than 'building' in the traditional sense."

The structure's strength is provided by its metal super frame, a crucial feature on which ASHP and structural engineers Arup worked closely to develop. "For a tall building, putting the primary structure – in this case a braced frame – around the perimeter has advantages in terms of the efficiency of the stability of the structure," explains Young. "Rather than incorporating a very solid central core, which would have to be quite slender, the structure spreads out to the site perimeter at the base and is inherently more stable, allowing for the more efficient use of material to achieve the required stability. Placing the services core outside enables more creative use of the space within, and provides opportunity to create a visually

exciting architectural enclosure for the lofts and lobby spaces." The metal structure on the north side is finished in a rich yellow, so it certainly stands out visually.

This arrangement results in the need for fewer but larger structural members and offers advantages to the building process by reducing the number of crane operations needed.

The building also has excellent green credentials and will boast a BREEAM Excellent Rating. It features smart energy and water metering that exceeds regulator requirements and industry standards. Low-flow water fixtures and fittings have been specified without compromising on design. Evidence from environmental monitoring suggest that structures built using a significant amount of DfMA components, as Leadenhall has, produce a carbon footprint typically half of that produced in projects using traditional methods.

Leadenhall Building: key facts

- Height: 736ft (224.5m)
- Occupied floors: 46
- Lettable area: 56,670 sq m
- Gross internal area: 84,424 sq m
- Ground plot: 48m by 62m

Positive expectations

The project was first mooted as long ago as 2001, with planning consent achieved in 2005. After an interlude following the economic downturn, construction began in earnest in 2010 and topping out took place in June 2013.

Practical completion is due this summer, and the building is expected to be in full use in early to mid-2015.

Reflecting on what people's reactions to the building might be, Andy Young says: "I'd like to think that the vast majority of visitors who see it or experience it, will come away with the genuine feeling that the City is better with the Leadenhall Building.

"As an architect you cannot really ask for more than that."

Client: British Land

Architects: Rogers Stirk Harbour + Partners

Main contractor: Laing O'Rourke

Structural and services engineer: Arup

Quantity Surveyor: Davis Langdon

Project manager: M3 Consulting

Planning consultant: DP9

Fire consultant: Warrington Fire Research

Landscape architect: Edco Design London

Kemperol 2K-PUR keeps Guildhall Library in business

Kemper System's Kemperol 2K-PUR waterproofing system has been used on a further phase refurbishment of London's historic Guildhall, this time to provide a new roof surface for the Guildhall Business Library.

The scheme follows the recent roof refurbishment of the Guildhall's West Wing by main contractor Linbrook Services Ltd and involves overlay of a 300m² asphalt roof featuring 56 pyramid roof lights. The brief to roofing contractor A&L Roofing Services was to complete the project within a six week programme, during which the library had to remain fully operational.

Guildhall selected Kemper System's Kemperol 2K-PUR system for both projects as its solvent-free formulation enables an odour-free installation, preventing any nuisance odours affecting staff or

visitors to the building. The cold liquid-applied system also made it possible to apply the waterproofing membrane precisely to the upstands and drainage channels of the 56 pyramid roof lights, which are located extremely close together in the central area of the roof, whilst seamlessly incorporating the entire roof.

Kemper System's Kempertec primer was applied to the roof to stabilise the substrate and provide a chemical key for the waterproofing resin. Once this had cured, the waterproofing membrane Kemperol 2K-PUR was installed. Applied in a single process, the Kemperol resin saturates a non-woven reinforcement fleece and cures to form a monolithic membrane that is UV stable, extremely tough, flexible and tear resistant, that bonds directly to the substrate.



Kemper System's non-woven reinforcement fleece was cut to size and shape on site to enable the meticulous detailing and protection of the most vulnerable parts of the roof around the roof lights, outlets and upstands as well as the flat roof areas.

enq.157

Contact Kemper System today on 01925 445532 or visit www.kempersystem.co.uk

Double-click on Delta



Judging by the number of 'hits' it achieves on a daily basis, the **Delta Membranes** website is already one of the essential tools for specifiers. However, the fresh new look for the company's website promises to be even more inviting. The website (www.deltamembranes.com) has undergone a complete overhaul, while retaining all informative data about the extensive range of Delta products and services. One of the highlights of this revamped website is the video library, with interactive video guides on installation, internal cementitious waterproofing, restoration plastering, and crack injection with Koster KB Pur 2 IN 1. Among the design services featured on the website is a 'Downloads' button which takes the viewer to a whole host of technical CAD drawings and PDFs.

enq.158

RoofSpace solutions hits new heights



RoofSpace Solutions' innovative RoofSpace I-Roof™ system has been awarded Robust Details approval, Part E, achieving an impressive 60 decibel sound reduction, against the mandatory requirement for 45. The fully insulated system achieves U/values as low as 0.08W/m²K within the panel with no undercloaking or additional insulating works; the wall panels achieve U/values as low as 0.22W/m²K. RoofSpace Solutions, part of **Avonside Group Services**, is working towards BM-TRADA Q-Mark Product Certification for its cost-neutral system which allows installation teams to encapsulate the roof-spaces of up to six 2.5 storey dwellings per day.

enq.159

enq.160



Sustainable roofing: it's not all about the bling

Stuart Hicks, marketing manager of cold liquid-applied waterproofing membrane specialist, Kemper System, discusses why consideration for sustainable roofing specification should go beyond the product's obvious eco-credentials

These days, it's not only planners and forward-thinking architects that are focused on delivering a more sustainable built environment; sustainability is being driven by government policy, client requirements and the desire for end users to occupy sustainable properties that reflect their own environmental policies and commitment.

However, the meaning of sustainable remains subjective. While BREEAM ratings and LEED performance scores may give an indication of environmental features and energy efficiency, they do not always tell the full story. Sometimes, a specification with impressive environmental credentials is little more than eco-bling designed to tick the right boxes and market the property to environmentally-conscious corporates. And, even where the eco-specification demonstrates a more credible and joined up approach to delivering a sustainable building, factors such as durability, longevity and waste streams are often overlooked.

While it's eco building products that often dominate the conversation about sustainability, delivering true sustainability has much more to do with the longevity of our built environment than the next generation of low carbon products. For a truly sustainable approach to specification, a balance is required between eco credentials and proven performance functionality.

When it comes to roofing, the role of a roof in protecting a building is pivotal to achieving sustainability because an effective and durable roofing system ensures that damage to the fabric of a building due to water ingress is avoided. As a result, the specification needs not only to consider the environmental pedigree of the material used but also how long it will last, how likely it is to need repair during its service life and whether there are any environmental considerations arising from the roofing



'The role of a roof in protecting a building is pivotal to achieving sustainability because an effective and durable roofing system ensures that damage to the fabric of a building due to water ingress is avoided'

Stuart Hicks, marketing manager of Kemper System



'A liquid membrane can be applied directly onto the existing roof surface, forming a permanent monolithic bond with the roof, thereby upgrading the roof without adding to the project's waste streams'

system's supply location, manufacturing process or installation requirements.

For refurbishment projects, there is a further consideration: will the replacement roof require strip out of the existing substrate or can it be overlaid on top of the old roof, removing unnecessary transport and disposal of the redundant roofing materials at landfill? In a high percentage of cases, with proper cleaning and preparation of the substrate, a liquid membrane can be applied directly onto the existing roof surface, forming a permanent monolithic bond with the roof, thereby upgrading the roof without adding to the project's waste streams. Moreover, the roof upgrade using a liquid membrane can be used as an integral part of a warm roof system to improve the building's thermal performance. It can even enable the addition of a green roof system to introduce bio-diversity to an existing building by using a root resistant membrane.

Where the specification is for a new build project, strip out is clearly not a consideration, but durability and longevity should be. Specifiers should look for a product that is not only supplied with a minimum performance life guarantee, but one that also has a proven track record in similar applications. Factors including permanent flexibility, U/V stability and sufficient durability to enable long-term performance despite maintenance team footfall should also be considered and, particularly where a roof has complex features or roof-mounted plant, the ability to create a custom-fit seamless seal around any details, outlets or penetrations is also essential.

The latest in liquid applied membranes on the market could answer these requirements for durability, longevity and the added benefit of lack of strip out in overlay situations, while providing an eco-formulation in line with environmental specification. Where specifiers require a product that offers a sustainable formulation as well as a sustainable solution, a solvent-free membrane can be provided that carries the same performance credentials and service life guarantees as solvent-based systems. This ensures that the building's specification goes beyond eco-friendly to deliver genuine sustainability in its most holistic sense.

enq.161

Klassickolors®

Distinctive Roofing & Cladding with the Cool Roof Concept

Klassickolors provide a long life finish for all roofing and cladding projects. The coating is formulated with the 'cool roof' concept and uses pigments with enhanced solar reflectance and emittance, to reduce the energy needed to cool the building.



For further information visit
www.follansbee.co.uk
or call 0114-236 8122

Lifetime roofing metals

enq.162

State-of-the-art hub makes a statement

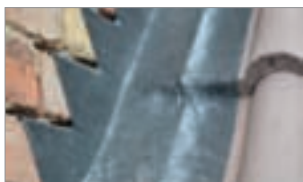


Edinburgh's historic Old High School has been transformed into a state-of-the-art, energy efficient hub for the Edinburgh Centre for Carbon Innovation (ECCI). **Hunter Douglas** supplied a range of innovative systems for the ECCI. Wooden ceilings were specified for the refurbished hub including the Hunter Douglas linear open wooden ceilings in 101.6mm module. The ceilings were supplied without the usual fire protection treatment in order to ensure that the timber could be recycled at the end of its life. This helped ensure that the building was the first refurbishment of an old building to achieve BREEAM 'Excellent' status.

01604 766251 www.hunterdouglas.co.uk

enq.163

Klober high performance lead substitute



Easy-Form® plus from Klober is a reinforced flashing designed specifically as an alternative to lead. Suitable for bridging gaps of up to 5cm, its metal mesh provides flexibility and rigidity while enabling the material to be stretched by up to 30 per cent without use of a forming tool. A

butyl adhesive backing is suitable for most dry surfaces without priming, making the material ideal for heavily profiled tiles. The release paper is cut along the length for added convenience and five metre rolls are available in terracotta, brown, anthracite and lead grey in widths of 250, 300 and 450 mm.

01332 813050 www.klober.co.uk

enq.165



Minus 7 – the true hybrid energy harvester

The **Minus 7** hybrid energy harvesting system 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 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 suitable for new-build or deep refurbishments where a new roof is required. 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. Fully UK manufactured, the roofing component is expected to last for more than 50 years and the solar energy processor will last for more than 20 years.

01922 419405 www.minus7.co.uk

enq.167

40,000sq m roof area drained by Dallmer



Complete Projects CDM of Sheffield, who partner **Dallmer Ltd** for installations of its SuperDrain siphonic rainwater drainage, was called in to upgrade the water drainage from the roof of a former factory for IT company

RDC. Due to the nature of RDC's business, it was essential for the building to be completely water tight and a quick but cost effective solution was essential. For this work Complete Projects used a total of 54 Dallmer D62 PVC flange siphonic roof drains, each one placed to match the re-calculated siphonic roof drainage system, properly fixed in the gutter and bonded to the lining.

01787 248244 www.dallmer.com

enq.164

VMZINC roof for £2.5 million clubhouse



For the new £2.5 million clubhouse and restaurant of Close House hotel and golf club in Heddon-on-the-Wall, a low pitch **VMZINC**® standing seam roof was specified. 'No.19', a 1,000m² contemporary building was given a pre-weathered **QUARTZ-ZINC**® roof as part

of a design which posed some planning issues. It is within designated green belt and adjacent to the Grade II-listed Close House Mansion, so zinc was chosen for use with natural stone walls. The system is ideal for compact, warm roof construction using either rigid or cellular glass insulation on straight or curved roofs. It offers exceptional colour retention and is ideal for complex detailing.

01992 822288 www.vmpzinc.co.uk

enq.166



SIG Roofing solution for house restoration

The restoration of the roofscape of Raasay House, a Scottish Category Grade A listed building on the Isle of Raasay, has been completed using natural slate supplied by **SIG Roofing Supplies**. Specified by Wittets Architects, approximately 917 sq m of SIG Roofing's SIGA 110 natural slate was laid in diminishing courses to restore the roof of this historic 17th century landmark. In accordance with Historic Scotland, the restoration had to mirror the original roof covering as closely as possible. SIGA 110 slates were specified as its North Wales origins best replicate the original Scottish Ballachulish slate that is no longer available. Architect Alasdair Aldridge of Wittets Architects explained: "SIGA natural slate is extremely high quality and sits perfectly on the roofscape of this sprawling mansion that features a multitude of intricate dormers and gablettes. The colour and appearance of the new roof covering complements the house's overall exterior finish."

enq.168

Levato Mono porcelain paver system



Levato Mono pavers from The Deck Tile Co. are comprised of a 20mm single layer of load-bearing porcelain, with incredible technical and aesthetic features. Self-levelling and height adjustable pedestals allow for rapid installation over uneven

sub-surfaces and any waterproof membrane. They are completely non-porous and suitable for roof terraces, balconies, piazzas and pool surrounds as they are highly slip resistant (R11). They're lightweight, weighing only 45kg per sq m yet have a high load bearing – static load up to one tonne per paver. Installation over singly ply membranes creates a 'floating floor' and there are 30+ finishes available creating an ultra realistic timber or stone effect.

0845 2700 696 www.thedektile.co.uk

enq.169

New fire-resistant steel sliding door



New to the comprehensive range of steel windows, doors and façades available from Schueco Jansen is the Janisol 2 Fire-Resistant Sliding Door. This combines an elegant appearance with a high level of protection against flame and heat. Constructed from tried-and-tested Janisol profiles and engineered to allow an inward (break-in) or outward (break-out) direction of escape depending upon location, this versatile new door is available in either a single-leaf or a double-leaf configuration.

01908 282111 www.schueco.co.uk

enq.170



Eurobond launches BIM library

Eurobond Laminates has launched BIM files for its range of stone wool cored internal and external wall and ceiling composite panels. It includes material colours and COBie datasheet parameters and the designer is supported by a wide range of construction details. The files are available in a number of file formats to help ensure that the majority of BIM users can benefit from using them. The new files are available via the company's website or by contacting the Eurobond Laminates Technical Service team. Tim Ashley, Technical Services team leader, said: "There is no doubt that BIM is rapidly becoming part of the design process and that the technology will change the way in which the construction industry operates in the future. Our BIM models will help bring ideas to life, enabling architects to be more efficient in the design process and this release of BIM files demonstrates our continued commitment to providing valuable products and tools to architects and customers."

02920 776677 www.eurobond.co.uk

enq.171





***Are you searching for
a cost effective quality cladding panel,
that'll give you aesthetic freedom?***

Yes? Then use Vitrabond! Well established in the market, Vitrabond is globally recognised by Architects, Builders and Installers as the superior ACM rainscreen cladding panel solution. With large stock levels, vast colour range and continual product development, Vitrabond is readily available to meet your requirements. The composition of Vitrabond is extremely rigid and yet easily formed into many shapes to suit any design requirement.

For more information visit www.vitrabond.com

✓ More than 60 standard colours/finishes ✓ Easily formed and installed ✓ Low maintenance
 ✓ BBA approved ✓ One of the most competitively priced rainscreen solutions in the UK ✓ Robust and Durable

For Vitrabond UK, contact Valcan Architectural. T: 0844 800 7131 F: 0844 800 7130 E: enquiries@valcan.co.uk



enq.172



Towering success

Architect Broadway Malyan selected concealed TECTUS hinges from SIMONSWERK for its 'The Tower' development – a prestigious new 180m tall, 50 storey UK residential project in London's Vauxhall, containing 223 deluxe apartments. The luxurious interiors feature extensive use of highly polished wood paneling set with heavy American Walnut doors. To achieve an uninterrupted flush finish timber face, SIMONSWERK TECTUS concealed hinges were specified for these internal doors and additionally for the front door from the lift lobby into the apartments and some interior cupboard doors. Architectural Ironmonger Interior Hardware commented: "These are extremely high specification apartments and the designers were very clear that the fittings and finishes should be of the highest order. The large American Walnut doors required a heavy duty hinge which was also concealed so TECTUS was the obvious choice. They liked the product and the technical back-up provided by SIMONSWERK and expanded the specification to include the majority of the en-suite bathrooms and dressing room doors."

enq.173

Traditional Apeer-ance with a high-tech twist



Traditional good looks go hand in hand with high-tech locking thanks to a new finger-pull doorplate exclusive to Apeer Doors. Designed to work with the Winkhaus AV2 Heritage multi-point locking system, the new Apeer escutcheon plate with finger hook further enhances the lock's sympathetic reproduction as a period classic. It features a euro profile locking cylinder at a similar height to a traditional round cylinder pull and the

lock is operated automatically as soon as the door is closed. The new Apeer finger pull escutcheon is available now in silver and gold.

02825 632200 www.appeer.co.uk

enq.174

New Comar 6EFT curtain walling additions



Due to demand from architectural and fabricator clients, Comar Architectural Aluminium Systems are pleased to launch additional new mullions and transoms for its innovative Comar 6EFT curtain wall system, with the highest Ix and Iy values available on the market today. As

Comar 6EFT has developed, demands for larger transom spans in excess of 3000mm and unsupported multi-storey mullions are a possibility. With its exceptional design flexibility, Comar 6EFT provides high performance solutions for both new build and refurbishment façades. It is a flexible standardised system that provides bespoke solutions.

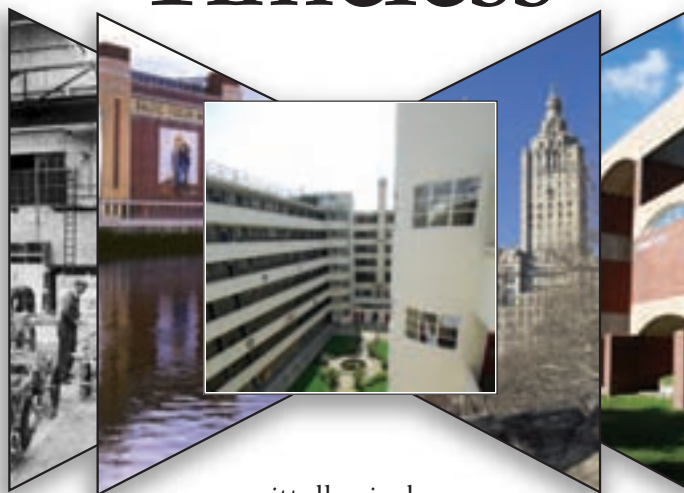
0208 685 9685 www.comar-alu.co.uk

enq.175

Timeless

The elegance and strength of Crittall steel windows is timeless.

And today's modern high performance equivalent products replicate perfectly that original design and unique heritage.


www.crittall-windows.com


Crittall Windows Ltd,

Francis House,
Freebournes Road,
Witham,
Essex CM8 3UN

Tel: +44 (0)1376 530800

Fax: +44 (0)1376 530801

E: hq@crittall-windows.co.uk

Our heritage is our strength



enq.176

**BENENDEN™ – BESPOKE ALUMINIUM
WINDOWS FOR DESIGNER PROPERTIES**



As featured on
**GRAND
DESIGNS**
Series 5 Episode 22
Channel4.com

- Ultra-slim profile frames
- Single or dual RAL colours
- Into timber or direct to brick or stone
- UK manufactured

**THE HERITAGE
WINDOW COMPANY**

CONSERVATION BY DESIGN

020 8695 0055 | sales@thwc.co.uk | www.thwc.co.uk
Showrooms at: Sevenoaks ♦ Dorking ♦ Beaconsfield

enq.177



Bespoke doors by Todd Doors

Design led, competitively priced, excellent service

For a house that deserves exceptional doors,
talk to the Todd Doors Developer Team
about our Exclusive Range.

020 8839 3577
www.todd-doors.co.uk
developerteam@todd-doors.co.uk

**TODD
DOORS**
BEAUTIFUL DOORS SINCE 1952

enq.178

ENERGY EFFICIENCY DOESN'T MATTER

MINERGIE®

Low-energy homes

Reynaers at Home has a range of windows and doors that have been awarded the Swiss Minergie accreditation for low-energy homes.



Low U-values 0.77 W/m²K

Passive house standard

Our CS104 window and door system can achieve whole window U-values as low as 0.77 W/m²K.



Low U_d-values 1.3 W/m²K

Floor to ceiling glass

Our new Hi-Finity sliding door offers floor-to-ceiling glass and U_d values as low as 1.3 W/m²K.

Specifying our range of energy-saving products means you no longer need to be constrained by energy efficiency. This leaves you free to do what you do best: design innovative, breathtaking homes.

www.reynaersathome.co.uk/adf

T 0121 421 9707

E homeuk@reynaers.com

REYNAERS®
— at home —

enq.179



Trends in glass and glazing

'Specifying energy-saving products means that architects no longer need to be constrained by energy efficiency, leaving designers free to do what they do best – design innovative, breathtaking homes'

Head of Reynaers at Home Hugh Moss shares the results of the company's research that reveals the latest trends within architectural glass and glazing

Reynaers at Home has conducted an in-depth survey involving hundreds of professionals, in conjunction with Architects' Datafile, to reveal architects' thoughts on important aspects of their work, including trends in residential housing, design and major challenges.

Energy efficiency comes top

When asked what the most popular industry trend was in residential housing, almost 60 per cent of architects surveyed stated energy efficiency as the leading design issue. Some of the

latest glass and glazing products available set new standards in thermal performance, meaning heat loss can be kept to a minimum and the home is kept cosy and warm. Some window and door systems can achieve whole window U-values as low as 0.77 W/m²K, and even sliding doors with floor-to-ceiling glass can offer Ud values as low as 1.3 W/m²K. Specifying energy-saving products means that architects no longer need to be constrained by energy efficiency, leaving designers free to do what they do best – design innovative, breathtaking homes.

Other market research conducted has shown that modern panoramic windows and huge bifold and sliding patio doors

are at the top of thousands of British homeowners' wish lists. Architects too have fallen in love with floor-to-ceiling glazing and there is now massive demand in this area.

Value for money

Architects were asked whether they felt that the UK was coming out of the recession, based on their level of business. A buoyant mood was reported, after 67 per cent agreed with the statement.

It's been found that throughout the recession, consumers are still prepared to spend, but are being more selective. When spending their hard earned money they are happy to pay more for a product that is well designed, carefully manufactured and installed by a company that understands the value of customer service.

Size matters

Pollsters identified big picture windows as 'the one' architectural feature that can really make a home come to life, according to 40 per cent of UK architects. Additionally almost three-quarters of respondents agreed that most UK homes are missing out on space and light. New innovations are enabling the industry to use structural glazing technology to push all previous boundaries in terms of size, allowing architects to specify a virtual wall of glass to let panoramic views flood into homes.

Inspired thinking

When it comes to finding inspiration, 46 per cent of architects said that art and architecture books were the primary sources.

Fashion trends and tastes develop over time and this is also true within the housing market. There are many homeowners who say they don't like the appearance of uPVC windows and instead people want vast expanses of glass letting in maximum sunlight, narrow frames, no fanlights and as few mullions as possible.

When deciding which windows and doors to choose, today's homeowners are on the whole more knowledgeable than they were in the double glazing boom of the 1980s. This knowledge comes from experience – having bought cheap windows and doors once, people quickly learn that not all windows and doors are the same. The web also makes it possible to research the different products and companies and reveal the experiences of other consumers. All of this means that today's householder is often more experienced and more educated, and is prepared to spend a bit more money to get a product that will be reliable.

The main trend is a huge shift towards big aluminium patio and bifold doors and large single insert windows with aluminium frames. While it's true to say that aluminium's share of the market remains modest at the moment, Reynaers at Home believes that this will rapidly increase in the future.

www.reynaersathome.co.uk

'Today's householder is often more experienced and more educated, and is prepared to spend a bit more money to get a product that will be reliable'

Hugh Moss, head of Reynaers at Home



enq.180

Home improvement industry brightened up



Tradesmith has become one of the first Halo customers to adopt and promote the new Variations range of coloured foils from The VEKA UK Group. 'Variations' is an extended range of 18 coloured and woodgrain foils available on Halo's Rustique and System10 profile suites. Under the banner of 'United Colours of Tradesmith',

Tradesmith has taken on the extended range of colours to offer customers even more specification options. Tradesmith also offers a range of nine colours on its conservatory collection to complement the 18 shades of the Variations range. Product and colour information can be found on Tradesmith's new website.

01282 716611 www.halo-uk.com

enq.181

GEZE UK releases glass fittings product guide



Door and window control system manufacturer, GEZE UK, has released a new illustrated product guide and price list for its comprehensive range of glass fittings. The *Solutions for Toughened Glass* guide provides detailed descriptions of GEZE's range of fittings for toughened glass doors, to

enable specifiers to choose the most suitable products for their needs. The guide also includes full glass preparation and technical performance information. The range is suitable for single and double action doors, pinch free doors, internal and external doors. The brochure includes full details of the rails and fittings available and the range of finishes: mill, silver anodised aluminium (EV1), satin stainless steel, and polished stainless steel.

enq.182

a total solution for architectural glazing



- atriums
- facades
- canopies
- partitions
- rooflights
- balustrade
- conservatories
- walk on floors
- shuffle glazing
- framed glazing
- structural glazing
- frameless glazing



Tel: 01842 816080

sales@glazinginnovations.co.uk
www.glazinginnovations.co.uk

enq.183

Diamond quality daylighting



Diamond Hall, part of the University of Ulster's Coleraine campus recently underwent a major refurbishment. Apart from recladding the exterior, a major change was made to the original diamond shaped windows which have been replaced with **Kalwall**® translucent panels. These are designed to transmit light

evenly into the main function hall, used for graduations, concerts, exhibitions and exams, while controlling solar gain and glare. Kalwall is the most highly insulating diffuse light transmitting cladding and skylighting system available. A dramatic 'U' value of 0.28W/m²K, equivalent to a solid wall, can be achieved by filling the 70mm thick translucent panels with an aerogel.

enq.184

Pegasus restored with Crittall Windows



Lying empty for over 20 years, the iconic Pegasus House has had a major £70 million makeover. The five storey building had fallen into disrepair and **Crittall Windows** was approached to provide a solution to replacing all of the 430 Crittall windows with modern high performance steel units that

replicated the originals. The Crittall solution involved the installation of Corporate™W20 windows featuring 29mm wide Genuine steel glazing bars. The new windows were galvanised, polyester powder coated and fitted with EPDM weatherseals, with frames glazed with 16mm insulating glass units retained with sloped glazing beads that simulate the appearance of the original chamfered putty.

01376 530800 www.crittall-windows.co.uk

enq.186



Facing up to the environment

Powdertech (Corby) Ltd is applying its extensive knowledge in powder coating to a demanding marine coastal environment with some of the most challenging conditions for corrosion resistance. Powdertech was commissioned to coat steel balconies for new houses on a coastal road in Seaford, Sussex, less than 100 metres from the shore and directly facing the sea. Corrosive threats include moist air with high salinity, rainwater heavily laden with chloride from the sea and abrasive sea wind carrying particles of sand. Powdertech Sales Director Richard Besant said: "Our rigorous nine-stage pre-treatment process for galvanized steel ensures that all parts of the metal are treated by immersing the components, correctly vented for such a process. Korroprime 10v, an anti-corrosive primer coat, was applied to all parts of the fabrication, whether on display or hidden from view, followed by a high quality polyester powder top coat."

01536 400890 www.powdertechcorby.co.uk

enq.188

Senior's diversity is evident at Pannelcroft



Glazing systems designer and manufacturer, **Senior Architectural Systems**, has provided all aluminium door and window systems at a recently completed Birmingham-based Extra Care Charitable Trust residential development. Fabricated and installed by Elite Aluminium Systems, Senior's SPW600 windows and doors

were integral to the success of the project. Senior systems were specified throughout the complex as the diverse product range, from systems for the main atrium to those for individual accommodation including balcony doors, provided a one stop shop for the main contractor, which eased site programming.

info@seniorarchitectural.co.uk www.seniorarchitectural.co.uk

enq.185

Kingspan Insulation expands online offering



Being able to instantly access information and have the opportunity to participate in discussions is becoming increasingly important and with this in mind **Kingspan Insulation** has revamped its online offering. A new series of resources has been launched to provide simple access to the latest product and industry information through a variety of media including a

blog, twitter feeds, and dedicated microsites. Marketing Director John Garbutt said: "Online and social media has become an integral part of everyday life both at home and in the workplace, and as a result we want to ensure our customers can access the latest information and news through a channel that suits them."

01544 387384 www.kingspaninsulation.co.uk

enq.187

Kingspan OPTIM-R solves problem areas



With energy prices rising, delivering a high level of fabric thermal performance on buildings has never been more important. **Kingspan Insulation** has published a series of four application brochures for its latest range of problem solving products. The application brochures for the Kingspan OPTIM-R range of systems demonstrate how to deal with difficult areas such as balconies and terraces, dormers, rainscreen and external wall applications.

OPTIM-R panels use vacuum technology, enabling them to deliver an aged thermal conductivity of just 0.007 W/m·K, providing the highest performance with the thinnest solutions.

01544 387 384 www.kingspaninsulation.co.uk

enq.189

RVC gets the Kingspan treatment



The Hertfordshire Campus of the Royal Veterinary College (RVC) has been further enhanced with the construction of a RIBA Award winning Student Village featuring over 6500m² of **Kingspan Insulation** premium performance Kooltherm K15 Rainscreen Board. It was installed as part of the external wall build-up to help minimise heat loss. The product holds LABC System Approval for use in rainscreen applications and features a highly insulated core delivering thermal conductivities as low as 0.020 W/m·K.

01544 387 384 www.kingspaninsulation.co.uk

enq.190

Ecodan keeps heating bills down



The installation of an Ecodan air source heat pump from Mitsubishi Electric into a three bedroom detached house in Bedfordshire has demonstrated how effectively the heat pump will work in conjunction with traditional heating systems to maximise efficiency and reduce both installation costs and emissions.

The 5kW Ecodan and pre-plumbed 180-litre cylinder is working as a hybrid heating system with a gas boiler and a wood burning stove, to provide all the heating and hot water the family of three needs. The system has returned a COP (Coefficient of Performance) of 3.0.

01707 282880 www.mitsubishielectric.co.uk

enq.191

Panasonic launches high efficiency radiators



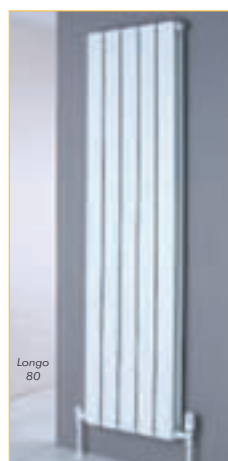
Panasonic has announced the launch of its new range of radiators, Aquarea Air. With an innovative layout of the ventilation unit and heat exchanger, the Aquarea Air's slim and elegant design makes it a stylish alternative to traditional radiators. The Aquarea Air fan is tangential with asymmetric blades and with a

large surface area heat exchanger; it enables high airflows to be achieved with both low pressure loss and low levels of noise. Unlike traditional cast radiators, the Aquarea Air requires a lower temperature on the incoming water circuit at just 35°C and with exceptional ventilation efficiency; the motor uses considerably less energy making it 32 per cent more efficient than standard radiators.

enq.192

Original FARAL Aluminium Radiators, always appreciated, often imitated since 1966

The choice of many Architects and local authorities for over 50 years, Faral radiators provide the highest heat output achievable from one of the most energy efficient low water content aluminium radiators available today.



AEL
Die Cast Aluminium Radiators



AEL
HEATING SOLUTIONS

Detailed drawings of AEL radiators and valves in a CAD drawing format that is also compatible with AUTOCAD is available on digital disc or via www.aelheating.com
e-mail: sales@aelheating.com Tel: 01928 579068

CAD copyright of photographs & CAD drawings

enq.193

SuperQuilt

Thin Hybrid Multi-layer Insulation Blanket

Thermal Insulation in a 40mm thin, flexible, multi-layer membrane

Insulation for use in **Roofs, Walls & Floor**

SuperQuilt is perfectly suited to installation in new build or renovation projects, being Fully certified & NHBC Accepted means SuperQuilt is the best multi-foil solution on the market.



SuperQuilt is Fully
Certified for Roofs, Walls & Floor.

SuperQuilt
Flat Roof

R-value
2.50 m²K/W
SuperQuilt
in a Roof

SuperQuilt
Pitched Roof

R-value
2.50 m²K/W
SuperQuilt
in a Roof

SuperQuilt
Wall & External

R-value
3.00 m²K/W
SuperQuilt
in a Wall

SuperQuilt
Floor

R-value
4.45 m²K/W
SuperQuilt
in a Floor



Cavi-Mate

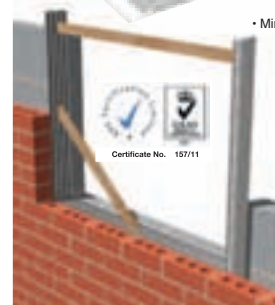
Frame Former

The Ultimate Frame Former/Locator & Cavity Closer for all Reveal Types

CAVI-MATE is a robust Frame Former installation system ideal for the new build market.



- Fully Certified
- Meets NHBC Standards
- 50 - 300mm Cavity Widths
- Simple to Fit - Saves Site Time
- Robust & Cost Effective
- CFC / HCFC aFree
- Fully Fire Tested
- Total Window Former System
- Minimum thermal resistance 0.703 m²K/W



YBS Insulation's pre-formed cavity closer quotation service offers a 48-hour turn around. For a quote please send window schedule, along with the full specification to: sales@ybsinsulation.com

Fire Stop
6
Widths
from 50 - 150mm

Cavity Widths
50
to 300
mm

YBS Insulation

HIGH QUALITY PRODUCTS FOR THE BUILDING INDUSTRY

Crags Industrial Park, Morven Street, Creswell, Derbyshire, S80 4AJ

Tel: 0844 99 100 44 Fax: 0844 99 100 55

E-Mail: sales@ybsinsulation.com Web: www.ybsinsulation.com



enq.194



**MORE THAN
JUST A STOVE!**

Heat the house not just the room!




- Makes a huge saving against your gas or oil heating bills
- Burns wood logs
- One charge of 10kg logs heats the appliance to full heat, to release that heat for 12 hours after fire has gone out
- 25% of stored heat still released after 12hrs (model 678)
- No ducting or water connections needed – just leave your doors open to allow heat to circulate (does not overheat the room it stands in)
- Made in England, HETAS approved and DEFRA exempt for inner city installations
- Four models in the range
- All colour options available

Email sales@landyvent.co.uk or call Landy Vent UK Ltd 01527 857814
Ask about our new E730 oval model just released!
www.eccostove.com

enq.195



Pumice
System Chimneys & Liners

ISOKERN

ISOKERN 25TH ANNIVERSARY 1989-2014

Naturally better

Made from volcanic pumice
A natural insulator
Lightweight
Easy to install




Isokern is made from natural pumice sourced from the Hekla Volcano in Iceland. Lightweight, simple to install and highly resistant to temperature change, Isokern reduces the possibility of cracking and structural damage due to expansion and contraction. What's more, as a natural insulator pumice is highly effective at keeping flue gases warm while not transmitting heat to the outside. Small wonder it's been the natural choice for new chimney systems and refurbishments for over 25 years. Why not see what it could do for your next project?
To find out more about Isokern visit us at www.schiedel.co.uk

CE EN 1856-2 TUV 0036 CPD 90219 001

Part of the MONIER GROUP

enq.196

safer smarter

The Stelrad LST radiator range

Stelrad has created a range of low surface temperature radiators which provide the perfect solution for all specification requirements

- No.1 choice for safety critical environments
- Anti-bacterial paint as standard
- Meets NHS Guidance for 'Safe hot water and surface temperature'
- Easy installation and robust packaging



LST Vertical

Sizes and models to suit all installations



LST Standard

Specify your preferred controls



LST Plus

Integral remote sensing thermostat valve



NEW LST i Plus

Offers increased sizes and improved outputs

For more information
T: 0844 543 6200
E: info@stelrad.com
W: www.stelrad.com



 @stelrad  facebook.com/stelradlimited

The Stelrad you know *and so much more*

Stelrad
Europe's favourite radiator

enq.197

Reconsidering the radiator

By Nigel Coston, director of marketing, technical and logistics at Zehnder

Over the past 10 years the landscape for heating commercial and high-end properties has significantly changed. The introduction of renewable technologies, plus the greater use of 'invisible' heating systems, such as radiant heating, underfloor and warm air, have seen continued growth, while the number of traditional heating systems and the subsequent use of radiators within them has declined. During this time, however, the radiator has also experienced a transformation with a whole host of innovative aesthetics, materials and technologies being introduced. Offering excellent flexibility in design, high efficiencies and greater controllability, today's radiators are an exceptionally versatile heating solution, which should not be overlooked.

While there has been a trend to hide HVAC equipment away from view within commercial applications quite the opposite has been the case in the overall design of radiators. Over the years the aesthetics of radiators has significantly changed and there is now a plethora of styles, colours and finishes to choose from. Giving architects a far wider range of products to meet their requirements, modern radiators can be used as part of the interior decor and be colour coordinated. The greater focus on shapes and materials also means radiators make wonderful design features within focal areas of a building.

Radiators also offer exceptional flexibility in design enabling architects to provide customised heating solutions mixed with architectural creativity. Due to the construction of many radiators, their size, orientation and installation can be adapted to meet the requirements of any specific project. With bespoke sizing, radiators can be manufactured to the required height or length to ensure the correct heat output and they can also be shaped to fit the building structure. The contours of circular or undulating walls can be followed and radiators can be wall or floor mounted for ease of placement.

In addition to the visual aspect of radiators their ability to be integrated within a building structure means they may also have dual functionality. For example traditional column radiators can be incorporated within a balustrade or railing. This is ideal for staircases within schools or hospitals as they enable these often 'cold' areas to be warmed efficiently and cost effectively without any obstruction to the passage way. The more obvious dual functionality of designer towel rails provides an excellent opportunity to make a design statement within hotel rooms and radiators can even be installed underneath benches for a comfortable climate within waiting areas.



As with all HVAC equipment, advances in material technologies and design engineering continue to improve the effectiveness and efficiency of radiators. New materials such as graphite, with its naturally high thermal conductivity, guarantee an extremely even heat distribution and design changes mean modern radiators have a lower water content. These changes facilitate fast heat up times, excellent responsiveness and a consequential reduction in energy usage, while also ensuring they are compatible with renewable heating sources.

Moreover additional boost functionality through the use of integral fans within trench heating and more traditional panel styled radiators improves performance levels and enables increased flexibility and controllability for a continually comfortable indoor environment. Some radiators can also provide both heating and cooling functions giving architects a wider range of indoor climate solution alternatives.

When specifying radiators for commercial applications there are a number of issues which need to be considered to ensure the correct heat output levels are achieved and guarantee a continually pleasant climate.

The mandatory introduction of CE marking for radiators means that all radiators and towel rails should now be independently tested and their heat outputs certified by an

Continued on page 55...

'Over the years the aesthetics of radiators has significantly changed and there is now a plethora of styles, colours and finishes to choose from.'



Animations highlight heat pump benefits



Mitsubishi Electric has launched two new online videos to highlight the benefits of renewable heat pump technology for both homeowners and landlords. The first animation focuses on how the Ecodan range can offer reduced running costs, ease installation and lower carbon emissions for social

housing providers and landlords. The second video looks at the issues from a homeowner's point of view and highlights how renewable Ecodan can provide a viable, cost-effective alternative to the escalating price of oil heating.

01707 282880 www.heating.mitsubishielectric.co.uk

enq.198

Raychem HWAT solution at Canary Wharf

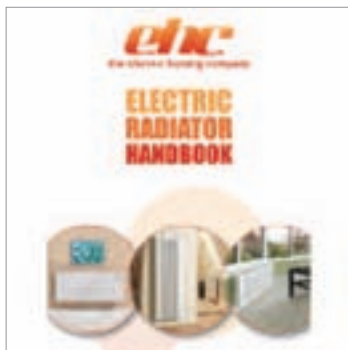


Pentair Thermal Management has provided its Raychem HWAT solution to Jointing Technologies for the DHWS system at 25 Churchill Place, the 23 storey office tower Canary Wharf Contractors Limited has constructed for the EMA (European Medicines Agency). 25 Churchill Place is designed to be one of the most energy efficient office buildings at Canary Wharf and the Raychem HWAT system was chosen for its

reliability, space saving benefits and to ensure the provision of instant hot water, maintained at a temperature of 55°C, at all points up to the outlets.

enq.199

The new Electric Radiator Handbook from Electric Heating Company



The awareness of electric heating, and in particular electric radiators, continues to significantly increase as more consumers appreciate the benefit of a clean and controllable heating system. Offering a 15 year guarantee on its radiators (two year on controls) **Electric Heating Company (EHC)** can supply vertical, conservatory and standard height radiators with outputs to suit almost any situation. It also offer various types of radiator control options i.e. standard thermostat, radio frequency and time and temperature.

As a consequence of the UK heating market's outstanding response to their Electric Boiler Handbook, EHC have designed a comparable booklet for EHC electric radiators. This A6-sized booklet is an ideal reference guide as it offers both general and technical information on EHC electric radiators and associated products.

For more information on EHC products or to request a copy of the Electric Radiator Handbook please contact EHC.

01698 820533 www.electric-heatingcompany.co.uk

enq.200



Obviously

With measured savings of up to 60 per cent compared to conventional systems, there shouldn't really be any need to tell you about how easy this system is to install, or the fact that it is so durable that it can even be nailed through without affecting performance, or that at only 1mm thick it can be fitted pretty much anywhere, even on walls, or on the decks of trawlers, or that it is the only system which is completely safe to fit directly under carpet, or that it is made from recycled materials and is completely recyclable.

But the guys at **UK Warmfloor** will tell you, because they are very, very proud of it.

Welcome to the future of heating.

www.ukwarmfloor.com
info@ukwarmfloor.com
 01262 468600

enq.201

LE155 Ventilation units defeat damp



It's a fact that inadequately ventilated and tightly sealed properties can suffer from mould and condensation, leading to problems for occupants. A block of flats in south London was saved from this situation with the installation of **Johnson & Starley's LE155** ventilation systems with heat recovery. Not only does the

LE155 ventilate the property, but it also removes cooking smells and other pollutants from the air – all with minimal heat loss. The units are designed to be installed conveniently on walls, in cupboards or above cooker hobs, with the addition of an optional cooker canopy. The LE155 units are SAP Appendix Q listed and incorporate energy efficient EC Fans.

enq.202

Xpelair reach environmental 'gold standard'



Xpelair joins the ranks of the elite club of manufacturers offering Passivhaus certified products – the gold standard in low-energy housing – following the news that two of its MVHR products meet the exacting Passivhaus standards. Xpelair's Xcell 300 and Xcell 400 ranges have been awarded the prestigious certification thanks to its superior levels of energy efficiency and the

potential both systems have to achieve significant carbon emission reductions. Mark Quigley, commercial director at Xpelair, commented: "Reaching this standard demonstrates our commitment to energy efficiency and our adherence to, and willingness to go beyond, the latest industry standards."

0844 372 7750 www.xpelair.co.uk

enq.203

independently accredited third party in accordance with EN 442. This enables 'like for like' product comparisons and prevents any issues of under performance in operation.

Please also be aware of the relevant industry standards. EN 442 certifies the output of all heat emitters for central heating systems and is relevant to the specification of radiators and convectors (but not trench heaters). Therefore if you are in any doubt as to the reliability of published information please do not hesitate to question the manufacturer and/or check with the British Standards Institute.

Finally, assisting architects with the specification and application of their products, BIM components are available from many leading manufacturers. Working intelligently within the modelling system the parametric components enable designers and architects to select and specify products quickly and accurately making radiator design and calculation extremely simple.

In short the radiator has evolved considerably since its introduction and this process is ongoing. An evaluation of the characteristics of today's radiators clearly highlights the advances that have been made and how far they have come from their beginnings. Providing architects with a whole host of design, aesthetic and functional alternatives, plus the opportunity to create visually stunning buildings with excellent energy efficiencies, the 'common' radiator is an ideal heating solution for today's modern building.

enq.204



'Assisting architects with the specification and application of their products, BIM components are available from many leading manufacturers'

SPECIALIST CHIMNEY COWLING

- Static cowls
- Rotating cowls
- Free technical help
- Special sizes

01243 539639

Rotating stealth cowl -

Email: sales@brewercowls.co.uk
www.brewercowls.co.uk

enq.205

WE BLOW HOT & COLD

Enjoy year round wellbeing with Genvex Premium ventilation units. Combining passive and active heat recovery for efficient winter warmth AND cool summer comfort, they recycle about 90% of the heat within your home. This is then used to warm the incoming fresh air.

Even more heat can be recovered efficiently with the integral heat pump, so fresh air can be delivered above room temperature. It can also be reversed when you need summer cooling.

Simple, sustainable, effective, healthy.

Build It AWARDS 2013 WINNER

total home environment

We do more with air...

0845 260 0123 totalhome.co.uk

enq.206

New controller maximises energy efficiency



Mitsubishi Electric has launched a new air conditioning controller that includes the intelligent energy-saving ability to automatically detect when meeting rooms or areas with infrequent use are unoccupied. The PAR-U02MEDA wall controller includes an occupancy sensor that will switch off the airconditioning if it detects that the room or

space is vacant. The detector can also be used in conjunction with an active timer so will only operate when programmed. It will also switch off at pre-set temperatures to ensure a comfortable, yet highly energy efficient performance.

01707 282880 www.mitsubishielectric.co.uk

enq.207

Eurostove introduce the Craftsbury stove



Eurostove has introduced the beautifully crafted but highly functional model Craftsbury from their Spanish supplier Hergom. The Craftsbury design is traditional and elegant with pure lines and a textured cast iron surface, but this belies a highly functional stove that is designed to be easily placed at any position in the home. In terms of performance the Craftsbury is tested to the USA standard with an EPA

rating of 3.2 grams/hour of particulates and the soapstone lined firebox both absorbs and holds heat. Three finish options make this latest stove from Hergom and Eurostove one of the most advanced and stylish in its class.

01934 750 500 www.eurostove.co.uk

enq.208

Electric technology supports school pumps



A new heat pump installation in a private school in Surrey has benefited from a stand-by boiler, supplied by **Atlantic Boilers** of Oldham. The Atlantic Multi-Elec Compacte 60kW provides an excellent backup to the five installed heat pumps: it is powered by electricity, has no flue requirement and small footprint. The MEC60 easily fits alongside the heat pump assembly and was swiftly commissioned into operation. The new Multi-Elec range is available from 36kW to 72kW for closed heating systems. The boilers have a maximum working pressure of 4 BARS and maximum flow temperature of 95°C.

0161 621 5960 www.atlanticboilers.com

enq.209

Radicals selected for university project



Stelrad Radiators has seen its award winning energy saving radiator Radical specified in the latest Eco House built on the campus at Nottingham University. The Mark Group Eco House has been designed and built with a range of highly energy efficient heating and ventilation technologies. The designers

chose Radical radiators from Stelrad for the first floor. Full details of the Radical radiator can be found at the company's website.

0844 543 6200 www.stelrad.com

enq.210

Summit Place reaches the peak of safety with SE Controls



An advanced smoke ventilation system from **SE Controls Africa** is helping ensure that in the event of a fire, occupants of Pretoria's prestigious Summit Park office development are provided with smoke free escape routes to optimise evacuation times and enhance safety.

The three multi-storey office buildings within the development use high end energy efficient glazing in the design, which includes the high level glazed atriums that run along the length of each building. SE Controls worked closely with the project's specialist glazing contractor Diri Aluminium and smoke ventilation specialists Curvent International to create a fully automated system for the three buildings, which is linked into the Summit Place smoke and fire monitoring system. Using compact SECO N 24 40 actuators with a 600mm stroke length in all the buildings, together with 24 Volt dc OS2 controllers and manual control point (MCP) switches, the glazed atrium and window vents automatically open in the event of a fire, enabling smoke to be released and keep escape routes clear.

Russell Cramb, general manager with SE Controls Africa, explained: "This is one of a number of major projects that we have completed and we were delighted to have played our part in such an important development."

enq.211

Live action from Greenwood on new YouTube Channel



Greenwood Airvac, one of the UK's leading manufacturers of domestic ventilation solutions, has launched its own dedicated YouTube channel – it's lights, camera, action all the way.

Giving installers the opportunity to see product installations and set-up in real time, the channel is currently showcasing the latest Greenwood CommissionSMART™ technology, as used in its recently launched Vireo heat recovery unit. Demonstrating the ease of set-up and commissioning Greenwood Technical Services Advisor Barbara, it takes installers through the eight simple steps to delivering Guaranteed Installed Performance. You can also see details of the new BPEC2U Training Course, the first of its kind in the ventilation industry, as well as the configuration of the safe and secure intermittent window fan installation kit designed for Social Sector clients.

Michelle Sharp, marketing communications manager at Greenwood Airvac, commented: "The YouTube channel gives us an excellent platform from which to engage with installers and specifiers in a very practical way. The videos can be used to gain authentic experience of our products and services and also to assist with installations when on-site". To see the latest clips and to subscribe for automatic updates, visit its channel at www.youtube.com/greenwoodairvac.

enq.212

THE ART OF HEATING



BESPOKE.
CLASSIC.
ELITE.

The Cromwell in Foundry Grey

For Stockists Contact:

T: 0808 129 2224 | E: sales@carron.uk.net | W: www.carron.uk.net

reader
enquiry
213



Introducing Cool-phase, Monodraught's Low Energy Ventilation and Cooling System

Monodraught has announced the next generation of its award-winning Cool-phase system, representing the company's latest innovative application of phase change material (PCM) as a thermal energy store to actively ventilate and cool buildings

Cool-phase is a low energy cooling, ventilation and heat recovery system that reduces the running costs of buildings while creating a fresh and healthy indoor environment without compressors or hazardous coolants. The system uses intelligently controlled phase change material (PCM) to actively ventilate and cool buildings, maintaining temperatures within the comfort zone, while radically reducing energy consumption by up to 90 per cent compared to conventional cooling systems.

The improvements provided by the new generation follows an intensive and all-encompassing two-year development programme during which the Monodraught R&D team has applied innovative new design practises and some of the most advanced manufacturing technologies available to create ground-breaking improvements.

As well as dramatically reducing design and development time the programme has provided significant enhancements and improvements in almost every aspect of the Cool-phase system.



Contact Monodraught today on 01494 897700 or visit www.cool-phase.net

enq.214

Heat pump calculator ready for RHI



Mitsubishi Electric has launched a dedicated Ecodan selection tool to coincide with the government's announcement that heat pumps are now included in the non-domestic Renewable Heat Incentive (RHI). The new Ecodan selection tool allows anyone to examine the viability of heat pumps

for their building and shows both running cost comparisons against other technologies and payback periods, which take the RHI payments into account. The Ecodan selection tool allows anyone with an interest in heat pumps to get an insight into what this technology could deliver to any building

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

enq.215

New twin and acoustic box fans from Vortice



Vortice has launched a new range of twin fans and acoustic box fans designed to run quietly, making them ideal for use in applications like museums and libraries. The twin fans can either run on a duty share basis or as one fan running normally and the other as a standby should there be a failure. Requiring virtually no maintenance, these fans have

PIR sensors and Class O lining in the boxes for ultra quiet running. The acoustic fans have the same application but with only a single fan. General Manager Kevin Hippey said: "These void mounted products offer a new opportunity for specifiers working in environments where combating noise is particularly important."

01283 492949 www.vortice.ltd.uk

enq.216

Pumping related CPDs from Wilo UK



Wilo UK is pumping up knowledge levels by providing hands-on continuing education and further education in pumping solutions and related subjects via its popular CPD programme. Currently available from Wilo are RIBA accredited CPDs under three topical areas of knowledge: *The Benefits of High Efficiency Pumping*, *A Guide to*

Rainwater Harvesting Systems and Surge Protection – Designing out Hydraulic Shock. Contact Wilo UK or visit the website for information.

01283 523000 www.wilo.co.uk

enq.217

E.sybox guarantee and wall bracket introduced



Following the launch of its e.sybox low water pressure boosting system, **DAB Pumps** says it has gone one step closer to creating complete peace of mind by introducing a three year guarantee and a wall mounted bracket system, making installation even easier. The e.sybox helps installers save time and money by bringing a 'plumb and play' dimension to installation. The new wall mounted bracket system called 'e.sywall' allows the pump to be

installed directly onto the wall in locations where floor space is minimal. With its specially designed casing and variable speed motor, the e.sybox pump offers extremely low noise levels. Now, the addition of the three year guarantee means not only will there be peace within the building but peace of mind too.

enq.218

New Year, new website for AET Flexible Space



AET Flexible Space, manufacturer and supplier of under floor air conditioning (UFAC) systems, has launched an updated and modernised website at the beginning

of 2014 to replace the former site. The new site has been created to provide up to date information on the under floor air conditioning systems and other heating ventilation and air conditioning (HVAC) products which AET Flexible Space can offer. As well as being a resource centre the new website highlights the benefits of adopting UFAC systems as an alternative to traditional ceiling based systems for air conditioning commercial work space.

01342 310400 www.flexiblespace.com

enq.219

Infrad launches ingenious Contract range



Stylish, good looking and highly efficient space heating that consumes half the energy required to run conventional radiators is now available from a new UK company, **Infrad Limited**. The Contract range is a collection of five lightweight composite panels designed for wall or floor

mounting. Three hard-wired models are available in output ratings of 500W, 800W and 1kW. Panels are available in plain gloss white and plain gloss black, with matching frames, and are designed for a surface temperature of below 90°C. Infrad's products all use radiant heat and are therefore more efficient and avoid creating a stuffiness inside the room. Infrared heating can be more cost-effective than traditional central heating.

enq.221

Technical tiles inspired by nature



Solus Ceramics introduces the exciting Fissure range, an innovative series of porcelain tiles that has been developed with revolutionary technology to mimic the natural beauty and texture of stone. Fissure is available in four versatile sizes including 600x600mm, 300x600mm, a super large format 600x1200mm and a plank shaped

200x1200mm variation. The range centres around four main colours; black, grey, white and beige. Each colour is also available in a lined crosscut option or a more abstract vein cut alternative, which reflects the ways natural stone can be cut to create different textures.

0121 753 0777 www.solusceramics.com

enq.220

School counts on Yeoman Shield



Maintenance staff at Ormesby School in Middlesbrough figured out that they could count on **Yeoman Shield** to provide a long term solution to expensive and time consuming maintenance and re-decoration. Yellow Yeoman Shield FalmouthEx wall panels, which have a

fine stippled surface for effectively 'reducing' unsightly scratches and abrasions, were installed in corridor areas along with complementary panels (in yellow and black) complete with inlaid room numbers to help guide pupils to their classrooms. The school's site manager explained: "Rather than embark on a costly repainting programme, we decided to use Yeoman Shield products."

enq.222



Altread is Safety Tread's range of highly non-slip insert strips and insert discs. Not only are they highly slip resistant but they also provide the capability of introducing a different design element to your staircase.

The **Definer** range was specifically developed with DDA in mind. The non-slip areas are filled with Safety Tread's Carborundum, a product that gives you and your visitors peace of mind as it offers some of the highest non-slip properties available in the market place for dry, wet and greasy conditions.

The **INTREAD** range of profiles has been designed for general-purpose use on interior stairs. There are many profiles available for this use, however this is the only product currently available that has been filled with Carborundum on the tread, instead of PVC or rubber.

Glo Tread allows your interiors/exterior stair nosing or insert strip/disc, to illuminate for over 12+ hours after being exposed to a light source for only 10 minutes and requires **NO ELECTRICITY!**

The **Glo Tread** product is a highly luminous material that also offers exceptional slip resistant properties. It can be used in any of our aluminium profiles and can be combined with Carborundum colours from our standard colour range.



ALLITE is our range of excellent slip resistant stair nosings and treads for internal and external use.



Safety Tread (part of Bell Plastics Ltd) will meet your stair nosing requirements with a bespoke solution, filled in your desired colour. For more information, please visit our website or call us now on:

Sales: 01202 625596 www.safety-tread.co.uk

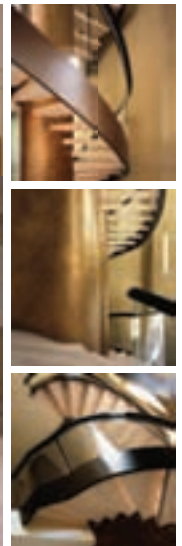
enq.223



Introducing The Quartz...

Ultimate in luxury
Safe, reliable performance
One touch automatic control
Luxurious range of finishes
Minimal pit depth 150mm,
Headroom 2,450mm

Manufactured in accordance with
European Regulation EN81-41



01908 933950 • info@ikoniclifts.co.uk
www.ikoniclifts.co.uk

enq.224

apollo monza aluminium column radiator



modern contemporary aluminium column radiator
ideal for low temperature renewable systems
unique design, half the weight of steel
vertical and horizontal in 40 different sizes
3 days delivery for white
7 days for colour (46 to choose from)

www.apolloradiators.co.uk

enq.225

marmox
multiboard
Waterproofing • Insulating • Drylining



For all your waterproofing and insulating needs
...there really is no better!



- fully waterproof
- highly insulating
- very strong
- lightweight
- tile or plaster
- easy to cut
- time saving
- no mess

ecobuild
Stand N1201

marmox
Specialist Building Products



Marmox specialises in products relating to...
waterproofing • insulating • drylining • sound absorption
thermal bridging • fireproofing

www.marmox.co.uk

Tel: 01634 835290 Fax: 01634 835299

enq.226

An elegant solution to an age old problem.

This modular unit incorporates all the facilities needed to wash, soap and dry your hands standing in the same position, including the latest technology for infrared sensor taps, high speed low energy hand dryers and infra-red foam soap system.



t: 01424 20 22 24 www.dolphindispensers.co.uk



Dolphin Behind Mirror complete washroom system

- Elegant and clean design, fits into any project
- Easy access for janitorial duties, with hydraulic lifting panels
- Sensor activated taps, soap and hand dryers
- Multi-feed system, LED lighting. 'Plug and Play'



washrooms worth experiencing

Dolphin Dispensers 2 Haywood Way, Hastings, TN35 4PL
t: 01424 20 22 24 f: 01424 20 52 00
e: info@dolphindispensers.co.uk www.dolphindispensers.co.uk

enq.227

Home design solutions for the elderly



A recent project by Demos, 'Top of the Ladder', has indicated that there is a shortage of housing for the older generation. Andrew Royle, UK commercial director at **PC Henderson** commented on key considerations to help answer demand: "Choosing the right fixtures and fittings, such as sliding door systems, can help houses meet the needs of the ageing population." Versatile and silent in use, the Husky 50kg and 100kg sliding door systems are ideal for use as room dividers as well as for wardrobe doors.

Another popular alternative is Evolve, an innovative range of products that offer a convenient and sophisticated automated system.

0191 377 0701 www.pchenderson.com

enq.228

Hudson Reed launches new 2014 brochure

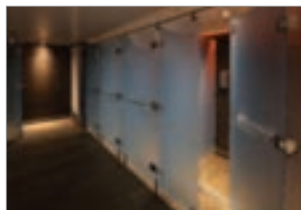


Look out for the fantastic new brochure from **Hudson Reed**, featuring 240 pages of everything you need to create a beautiful bathroom. New additions to the brand include some fantastic new standard baths with round options being added to the popular single and double ended bath ranges. All the latest shower panels and fixed heads proudly take their place alongside some more new additions. There is also a brand new modular furniture range available, called Horizon – in two stunning wood effect finishes, ideal for creating a truly bespoke bathroom.

01282 418000 www.hudsonreed.co.uk

enq.230

Washroom Washroom shapes up



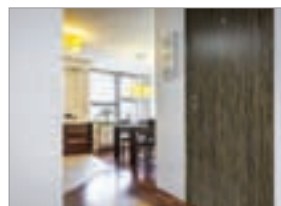
Washroom Washroom has demonstrated its flexibility for producing bespoke design, during a refurbishment project for Fitness First, which features its stunning Luminoso range manufactured in vibrant blue for the first time in the UK. Washroom's Luminoso cubicle range,

with its cast acrylic construction, provides

a practical, ultra durable solution, while also creating a more uniform polished finish. The range, which also features stainless steel tubular headrail and pedestal legs, can be specified in any colour, allowing architects to create a wholly unique space without compromising on design.

enq.232

Are your fire doors up to scratch?



If they are **Vicaima** 3rd party accredited and audited, then the answer is yes. Vicaima has a long history and a respected reputation in its manufacture of high quality fully certified fire doors for hotels, apartments and public buildings. All Vicaima fire doors are identified with two key marks. Firstly,

every Vicaima fire door is fitted with a tamper evident and fully traceable BWF-Certifire label which guarantees 3rd party accreditation and audit. The label clearly states the fire rating and carries the Vicaima name and certificate number. Secondly, the door will also carry a BM TRADA plug which provides certification under its Q-Mark scheme.

enq.229

Inspirational doors: JB Kind's 2014 collection



JB Kind's 2014 Door Collection is packed full of exclusive designs. From cutting edge contemporary to stunningly stylish, you'll be able to find something to suit your project and budget. With nearly 200 doors, including an incredible 39 new additions, you'll be thrilled at how much choice you'll find. If it's individually tailored doors you require, JB Kind can also create affordable bespoke solutions. Fully accredited FD30 fire doors, special sizes, alternative designs and FSC® chain of custody certified products are all available.

01283 554197 www.jbkind.com

enq.231

Com-plete solution to accessible toileting



A 'mix and match' package is enabling operators of buildings to which the public have access to optimise the inclusivity of toilets and washrooms. **Clos-o-Mat**, one of the UK's largest supplier of specialist toileting solutions for disabled people, has devised a solution that encompasses options from a

basic Building Regulations Approved Document M toilet, through to an all-encompassing hygiene room. Under the package, Clos-o-Mat can provide design advice, supply, installation, commissioning and maintenance of fixtures and fittings required to create a Document M toilet through to a fully-equipped hygiene room or Changing Places toilet.

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

enq.233

Relcross give washrooms the WOW factor



First impressions count and it is surprisingly simple and inexpensive to create a strikingly stylish washroom with a 'wow' factor. **Relcross** offer a range of high quality, stainless steel washroom accessories under the Diplomat brand name. With unique dual-curve geometry, these commercial-grade accessories are a sleek and elegant finish to any washroom. The Diplomat range includes roll-towel dispensers available in manual or sensor activated options. Customers will be able to hide owner supplied products as most popular brands will fit. This allows them to maintain a single look throughout the washroom. Combination dispenser/waste bins are also available. The range also includes folded towel dispensers, waste containers with an internal hook system to conceal rubbish bags and toilet tissue dispensers that dispense freely with no binding. The automatic soap dispensers accept all liquid soaps and hand sanitisers and have been tested to hundreds of thousands of cycles in high traffic settings. Other products include napkin/tampon vendors and seat cover dispensers. All locks are easily accessible and a single key opens all models for convenience and fast service. For specifiers, Relcross can provide REVIT® files for BIM.

01380 729600 www.waterlesscartridges.co.uk

enq.234

Specifying a feature staircase

Richard McLane, design director of bespoke staircase company Bisca, comments on the new trend for staircases taking centre stage



'Infinite possibilities have been opened up by clever design and engineering which can turn the staircase into the most important focal point of the project'

In the past most staircases were built within the confines of a hall or entrance lobby and even grand staircases within stately homes were put in areas where people tended to linger due to the challenges of heating these magnificent residences.

Today, however, the staircase is no longer out of sight, out of mind, as the trend towards open plan living has promoted its importance. Being visible from key areas of the property, a feature staircase adds desirability as well as functionality.

Staircases are fast becoming a priority for architects and developers who see the potential to add that 'wow factor' to any location, be it a house or hotel, new design or renovation project. Homeowners have historically spent a fortune on their kitchens and bathrooms, rooms that are often out of view and only have a lifespan of around 10 years. Staircases are another matter altogether. This is an area of design that has been neglected in the last 50 years but is now gaining importance – curved, cantilevered, spiral or suspended, in steel, glass, timber, copper or aluminium – infinite possibilities have been opened up by clever design and engineering, which can turn the staircase into the most important focal point of the project.

Space is increasingly at a premium and staircase designers often have to maximise the illusion of light or openness, incorporate storage areas or work cleverly around room entrances and exits, while executing a staircase design brief. The ability to tailor exact shapes or choose specific materials is becoming more important to the overall success of a project as the staircase must be empathetic to existing features in the property and not look like an obvious add on. Basements and loft spaces require particular consideration; the staircase design has to seamlessly join two different levels while taking into account light, space and structural limitations.

The fashion for light and spacious, open-plan interiors has in turn created a trend for the increasing use of glass for both treads and balustrades. With the light, ethereal aesthetic of glass, designers are able to create staircases which appear to float. The translucent nature of glass maximises the use of light and space and creates an 'airy' feel. A frosted, opaque effect, achieved through sandblasting, can be a good way to increase safety as it gives more friction underfoot. Although it is seen as a modern material, using glass does not dictate that it has to be a contemporary staircase.

Stainless steel is another very popular material for staircases,

remarkably useful both for its strength and its looks. Although it is often associated with very bare, minimalist architecture, it can take on a range of different looks – the trick is not to over-use it and to experiment with different finishes; bright, matt, brushed etc. It is great combined with glass and also sits well with all sorts of timber and even with leather.

Getting a dedicated staircase company on board from the very beginning of a project makes sense: they are able to offer expert knowledge and have the benefit of considerable experience in this specialised area.

Spatial design and awareness is crucial and, being a human ability, is often overlooked and is not something that can be generated by a 3D modelling package. Taking a walk together around a property, listening to the client and then translating this 'intelligence' into a staircase design that takes account of light, aesthetics and traffic is always going to be the optimum way of making the most of the available space.

The UK's aging housing stock is breathing new life into the refurbishment market as architects and developers alike see the value of working with existing structures, rather than embarking upon a new build project as may have been the case previously. Refurbishment projects are where intelligent design is crucial to achieve successful and empathetic cohesion between old and new. The clever part about design is having the ability and insight to incorporate both traditional and contemporary materials into a commission that withstands the test of time.



'The common law of business balance prohibits paying a little and getting a lot – it can't be done'

John Ruskin

However in all this, one fact remains the same – and that is the foolhardiness of choosing quantity over quality; in staircase design you really do get what you pay for. To quote John Ruskin: "The common law of business balance prohibits paying a little and getting a lot – it can't be done".

enq.235



Designers go with the grain

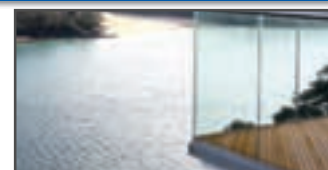
NEACO is experiencing a surge in demand for wood-effect handrails and balustrades following the specification of its Timberline system in a wide range of recent projects. Architects and specifiers from a variety of sectors have used Timberline's intricate reproduction of oak grain to provide rich texture to their design scheme. Many of these developments have involved the refurbishment of historic and listed buildings which are ideally suited to the traditional aesthetic provided by Timberline. Impervious to surface deterioration and bacterial infection, the system's maintenance-free durability and hygienic qualities represent a clear advantage over real wood which has been recognised by numerous designers. Richard Richardson-Derry, NEACO's national sales manager, said: "Real wood is very appealing aesthetically but requires ongoing treatment to maintain its appearance and prevent absorption of bacteria and control infection. With Timberline, designers can achieve the natural beauty of wood grain without the practical problems associated with it."

enq.236

THE BALUSTRADE & HANDRAIL COMPONENT SPECIALIST



Pro-Railing



Frameless Glass Balustrade



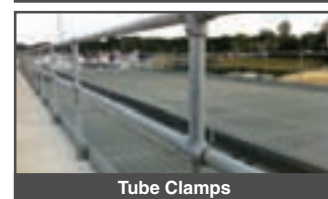
Warmagrip™ (DDA)



Handrail Standards & Adjustarail



Roof Edge Protection



Tube Clamps

Top quality

Keenly priced

From stock

Nationwide

For a competitive quote or for more information;



F.H. BRUNDLE
WHOLESALE DISTRIBUTORS SINCE 1889

Email: sales@brundle.com
Web: www.fhbrundle.co.uk

Tel: 01708 25 35 45
Fax: 01708 25 35 50

enq.237

Gerflor helps project in aid of *Children in Need*



International vinyl and linoleum flooring specialist Gerflor was able to help an outstanding charity project in aid of BBC charity *Children in Need*. The company donated Tarasafe™ safety flooring in Poppy Red and Sky Blue colours to 'The Little Miracles' Project' as part of *Children in Need* featured in the BBC One special programme *DIY*

SOS: The Big Build with Children in Need. The flooring was laid in the toilets as part of a life-changing transformation to the centre for disabled children in Peterborough. Gerflor Marketing Manager Nav Dhillon said: "Little Miracles does an outstanding job and we were just happy to help in any way we could."

01926 622600 www.gerflor.co.uk

enq.238

Not your usual safety floor



Function usually comes before form – but not with Tarkett's new Safetred Design Collection. Carrying on the company's reputation for manufacturing beautifully designed yet high-performance flooring, the range has been created using high-end design principles while still delivering the benefits of slip-resistant safety flooring. The

new collection includes 26 designs, a Loose Lay construction option and comes with a range of accessories to make the fitting process easier. Manufactured in the UK, the Safetred Design Collection uses a minimum 37 per cent recycled content and is the first sustainable safety flooring available in a tile design.

01622 854040 www.tarkett.co.uk

enq.239



The heart of your home...

Who doesn't dream of curling up by a flickering fire on a cold night?

A stove adds a focal point to a room and gives style and character. Almost like another member of the family it brings warmth, atmosphere and companionship.

01934 750500 | www.eurostove.co.uk

enq.241

adf

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.

www.adfonline.eu – register now



Scolmore introduces Inceptor Micro



Scolmore Group has announced the introduction of Inceptor Micro – a fire-rated, integrated LED downlight with a high-powered, compact, pre-wired driver and flow connector, including a choice of fixed and adjustable bezels. The compact size of the driver gives the Inceptor Micro an overall height of only 55mm which

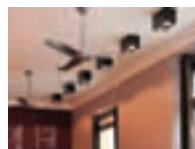
means it can be fitted into a very shallow recess depth of just 50mm, making it one of the most flexible fittings currently available. It will be available in dimmable and non-dimmable options, both packing a lot of power into a very compact design and offering Part L Compliance for domestic installations (as of 2013).

01827 63454 www.scolmore.com

enq.240

MODERN LIGHTING SOLUTIONS

Lighting catalogue with style shots available on request



0208 123 7914

www.modernlightingsolutions.co.uk

enq.242

Sentrii Pro gate locks



Sentrii Pro gate locks, from **Signet Locks**, are a professional and stylish range of gate locks designed and built in the UK.

- Providing simple, convenient and effective solutions for locking gates
- Bolt on or weld in ranges with option of deadlock, latch deadlock, latch only or keylatch
- Used in commercial properties, schools, residential, sheltered housing, alley gating, communal gates
- Long throw with 30mm movement with one turn of a key
- Adjustable stainless steel bolts ensure excellent security and corrosion resistance
- Supplied with high security eurocylinder, keyed alike and thumbturn cylinders also available
- Detailed instructions and fitting details available
- Never compromise security for convenience, use Sentrii Pro

01243 552066 www.signetlocks.co.uk

enq.243

New hard landscape gallery launched



The trade association **Interpave** has launched a new online project gallery highlighting the transformative power of good hard landscape design incorporating modern precast concrete paving, as well as the importance of considered detailing and execution. The new Interpave Project Gallery showcases a diversity of schemes ranging from an RIBA Award winning new school, where sustainable drainage (SuDS) was integrated into the overall project from the very start, to a 'DIY Streets' project which empowered the local community to develop real, sustainable and long lasting improvements to an existing neighbourhood. Urban regeneration and master-planning feature heavily in the gallery with an Edinburgh housing project based around innovative shared surfaces, using concrete block paving, to redefine the home-zone concept for residential streets. Then, in east London, extensive use of precast concrete surfaces in bold colours and patterns brings to life the public realm in the Brownfield Estate - which includes modernist architect Ernö Goldfinger's 'brutalist' concrete high-rise blocks from the late 1960s and early 1970s. The new Project Gallery can be explored at Interpave's website, where guidance on various issues ranging from Sustainability to SuDS can also be downloaded.

0116 232 5170 www.paving.org.uk

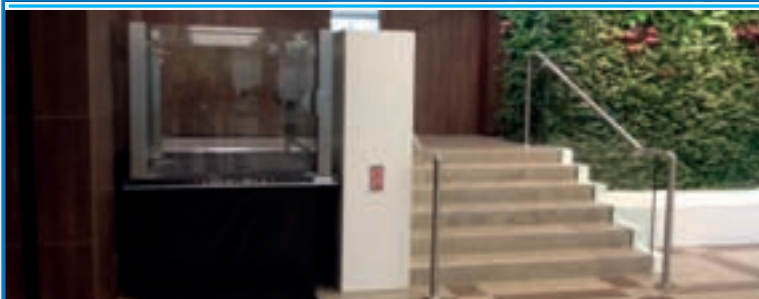
enq.244

mylyft Premium Platform Lifts



**Beautifully Engineered
Architecturally Inspired
Access Enjoyed By All**

"When we design a platform lift we think of it as a vehicle for vertical transportation. It must be beautiful and a joy to use".



LyftHaus
the Art of Elevation

Tel: 01440 731111
lifts@lyfthaus.com
www.lyfthaus.com

Contemporary styled access for all. Elegant, refined, adaptable and durable, suited to residential and commercial, internal and external environments. Beautifully engineered and architecturally inspired. MyLyft by Lyfthaus provides premium access solutions for prestige locations worldwide, a statement fashioned in stainless steel and glass. Designed and manufactured in Steeple Bumpstead, England.

enq.245

Tufted cricket surfaces come out on top



Tufted synthetic turf cricket surfaces are nearly twice as durable as woven ones, according to new independent analysis based on the British Standard test used by the England and Wales Cricket Board. **Notts Sport**, a world leading supplier of non-turf cricket pitches, has long been confident that its hard-wearing tufted surfaces are a cut above outdated woven manufactured pitches. The premium NottsGrass NG12 carpet and its lower cost alternative NottsGrass NG7 were subjected to rigorous abrasion testing alongside a woven surface. The woven surface had a mass loss of 14.985 per cent of its original weight, nearly twice as much as was lost by both Notts Sport's NG12 surface (7.914 per cent) and NG7 (8.144 per cent).

enq.246

South Staffs Water choose Denso protection



Winn & Coales Denso Steelcoat 100/400/700 system was recently chosen by South Staffs Water to give long-term protection to a pipebridge over the river Stour near Stourbridge, West Midlands. The water pipe was protected with Denso Steelcoat 100 and 400 Tape Wrap systems. The Denso Steelcoat 400 consisted of:

Hi-Tack Primer, Denso Profiling Mastic, Hi-Tack Tape, Ultraseal Tape, followed by a final two coats of acrylic topcoat. The steelwork on the main structure of the water bridge was protected using Denso Steelcoat 700 system. This consists of Denso ST Epoxy followed by a top coat of Denso Weathershield.

0208 670 7511 www.denso.net

enq.247

Artificial grass from Nomow



Nomow are a UK manufacturer, supplier and installer of artificial grass with over 30 years experience. With a life expectancy of 20 years and installations guaranteed for 10 years, Nomow is a long-term, durable investment. Its products are tested extensively for drainage, UV stabilisation and are perfect for a wide range of areas such as schools, gardens, golf clubs, parks, restaurant/pub gardens or even rooftop terraces. Its technical team can assist with all aspects of product specification and pricing, design, landscaping and ground works. Nomow products are tested in accordance with BS EN1177 and are Flame Retardant to BS 4790.

0800 587 0380 www.nomow.co.uk

enq.248

Repeat order sits pretty with DMMP



Five years ago, a care home organisation took delivery of PolyWood tables and chairs, and has just taken delivery of more PolyWood garden furniture for its new Brentwood residence. **DMMP**, which imports the weather-proof PolyWood furniture and is the UK distributor, is delighted with this vote of confidence. Proven over time, PolyWood is unaffected by sun, rain, snow, sleet, wind, saltwater, chlorine and mildew. As it is non-porous and uses stainless steel fixings, the furniture can be left outside all year round; washing with a mild detergent will keep it clean.

0845 643 9776 www.dmmp.co.uk

enq.249

The ECO 2014
TECHNOLOGY SHOW
26th - 27th JUNE 2014
THE BRIGHTON CENTRE

The premier event for sustainable
 build, energy, transport,
 technology &
 resource efficiency

REGISTER FOR YOUR FREE TICKET NOW AT www.ecotechnologyshow.co.uk

classified & directory

ACOUSTIC INSULATION

Inspired Noise Solutions

Unit 17 Evans Business Park, North Road
Ellesmere Port, CH65 1AE
Tel: 0151 348 8945 Fax: 0151 348 8946
Email: sales@inspirednoise.com

www.inspirednoise.com

BATHROOMS & WASHROOMS



Enq. 501

COATINGS, SEALANTS & PAINTS

Barrettine Group

St Ivel Way, Warmley, Bristol BS30 8TY
Tel: 0117 3012162
Email: sales@barrettine.co.uk

www.barrettine.co.uk

COLUMN CASINGS

Encasement Ltd

Peartree Business Centre, Enterprise Way,
Bretton, Peterborough PE3 8YQ
Tel: 01733 266 889 Fax: 01733 268 999
Email: sales@encasement.co.uk

www.encasement.co.uk

EXTERNAL WORKS

The Deck Tile Co.

PO BOX 3576, Wokingham, RG40 9GR
Tel: 0845 2700 696
Email: info@thedecktileco.co.uk

www.thedecktileco.co.uk

GROUNDWORKS

J T Pumps

83 Pepper Street, Lymm,
Cheshire WA13 0JT
Tel: 0844 414 5800
Email: sales@jtpumps.co.uk

www.jtpumps.co.uk

Reader enquiries
online at
www.adfonline.eu

HEATING & VENTILATION

OPIES UK LTD

LIGHTING YOUR FIRE

PREMIUM QUALITY FIREWOOD
Vermiculite and Calcium Silicate fireproof, insulating and refractory panels for woodburning stoves and fireplaces
Skamolex GOLD Skamolex BLUE

01245 468 977
www.john-opie.co.uk

Enq. 502

Flakt Woods Ltd

Axial Way, Colchester, Essex C04 5ZD
Tel: 01206 222 555 Fax: 01206 222 817
Email: info.uk@flaktwoods.com

www.flaktwoods.com

INSECT SCREENS



Flyscreen Systems for windows & doors
Insect Mesh for cladding & Ventilation

Telephone: 01454 238 288 Fax: 01454 238 988
Email: Sales@flyscreen.com www.flyscreen.com

Enq. 503

INTERIORS – OFFICE SEATING

Mesh Office Seating (UK Ltf)

Riverbank Mill, 2 Stoneycage Road
Newmilns, East Ayrshire KA16 9BN
Email: info@officechairs.co.uk

www.officechairs.co.uk

Reader enquiries online at
www.adfonline.eu

LIQUID ROOFING & WATERPROOFING

Liquid Roofing and Waterproofing Association (LRWA)

Roofing House, 31 Worship Street
London, EC2A 2DY
Tel: 0207 448 3859 Email: info@lrwa.org.uk

www.lrwa.org.uk

SOLAR SHADING (BRISE SOLEIL)

Levolux Limited

1 Forward Drive, Harrow
Middlesex HA3 8NT
Tel: 020 8863 9111 Fax: 020 8863 8760
Email: info@levolux.com
Reg: Levolux Ltd – 1834176

www.levolux.com

THEATRE SUPPLIES

Lancelyn Theatre Supplies

Ferry Hinksey Road, Oxford, OX2 0BY
Tel: 01865 722 468
Mobile: 07889 368503
Email: projects@lancelyn.co.uk

www.lancelyn.co.uk

TILES & TILING

Solus Ceramics

Warwick Road, Sparkhill, Birmingham
Worcestershire, B11 2QX
Tel: 0121 7530777

Email: sales@solusceramics.com

www.solusceramics.com

Reader enquiries online at www.adfonline.eu

WINDOW CONTROLS



Enq. 504

adf newsletter

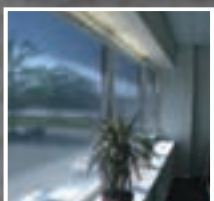
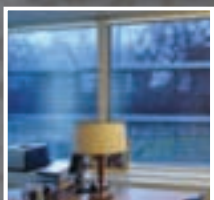
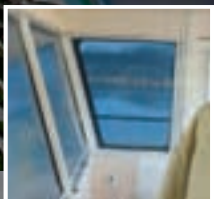
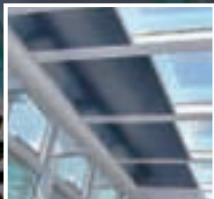
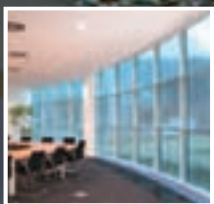
Emailed on a fortnightly basis, the ADF newsletter is designed to provide you with the latest information on products and services of interest, direct to your inbox. You can quickly gather a snapshot of information from 12 carefully selected companies and easily follow links through to further information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



digital issue

The ADF digital issue provides all the same content as the print issue with the added advantage of being instantly available whenever and wherever you have access to the internet. In addition to its ease of access, the ADF digital issue gives direct links to advertisers, allowing you to visit a potential supplier's website with the click of a mouse. Subscribe at www.adfonline.eu.

EVEN MORE WAYS TO GET THE LATEST INFORMATION FOR ARCHITECTS...



DISCRETE

Variety of colour and material options available allows integration with any decor

ADAPTABLE

Can be fitted to sloping or unusually shaped windows; upstroking option available for rooflights



Reflex-Rol

BESPOKE ROLLER BLIND SYSTEMS

... more than just a sunblind

**Reflex-Rol is a proven bespoke
solar shading system offering
state-of-the art solar heat control**

SOLAR HEAT REFLECTION

Laboratory tests show that Reflex-Rol blinds reflect up to 87% of incoming solar energy*

SOLAR GLARE CONTROL

Reflex-Rol blinds use semi transparent metallic polyester foils, giving excellent internal glare control

THERMAL INSULATION

Reflex-Rol's thermal properties not only keep heat out but also help to keep it in, so saving on heating costs

Call now for your free brochure

Tel: 01989 750704 • www.reflex-rol.co.uk

De Leeuw Ltd., incorporating
Reflex-Rol U.K. and Marmat U.K.
are associate members of BS-5427

ISO

www.iso-uk.com

BBSA
BRITISH BUILDING & SERVICES ASSOCIATION

Reflex-Rol (UK)
Insulating Solar & Glare Control Systems

Reflex-Rol (UK), Ryeford Hall, Ryeford, Ross-on-Wye, Herefordshire HR9 7PU

Tel: 01989 750704 Fax: 01989 750768

Email: info@reflex-rol.co.uk Online: www.reflex-rol.co.uk



Reflex-Rol is a division of
De Leeuw Ltd

reader
enquiry
401

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