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THE ARCHITECTURAL TECHNOLOGISTS BOOK

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Vision Design Projects Introduce The Innovative Glas Marte Glass Railing System

Leading Structural and Architectural Glass Trade Contractor Vision Design Projects Ltd are delighted to announce the addition of Glas Marte (GM) Glass Railing system to their range. The innovative modular system resolves many historic glass railing design issues and takes the tolerance control and the final installed visual lines to previously aspirational levels.

The GM Glass Railing system offers flexible design solutions via nine fixing profile solutions (each of which can be adapted further to suit specific conditions), and the assurance that testing has been carried out in compliance with the (ABP) TRAV General Test Certificate.

Glass and the metal profiles are bonded into one unit in a factory environment, under constantly defined conditions and controls, with a sophisticated quality management system. Then delivered to site as a finished section of glass and base channel.

This reduces planning costs, assembly costs and offers a multitude of demonstrable gains at each stage, through to site installation. Vision Design Projects Ltd are the UK’s exclusive provider of Glas Marte (GM) glass systems. The GM Railing system is the first of several GM products to be introduced by Vision Design Projects in 2016.

Scott Swarbrick of Vision Design Projects comments: ‘We’re genuinely excited to be adding the Glas Marte Glass Railing system to our portfolio, it’s a truly stunning solution. It’s innovative, ingeniously simple, the quality and detail are unrivalled. Once installed it offers a frameless glass railing solution with the clean, minimalistic aesthetic that designers strive for. We’re confident this is the future of glass balustrades’

Architectural and Structural Glass Designers and Suppliers Vision Design Projects Ltd are a leading structural and architectural glass designer and supplier. Since the company formed over 25 years ago, Vision Design Projects has built up a fantastic reputation of delivering quality glass designs, constructing visually stunning architectural and structural glass pieces to buildings across the UK. Installation solutions include glass floors/bridges, glass partitions/floors, architectural balustrades, glass canopies, and interior decorative glazing.

Glass projects successes include Kings Cross, Heathrow airport, and Wembley Stadium plus many more landmark projects. As well as commercial projects, Vision Design Projects also provides a large range of residential glass installations, glass balconies/balustrades, stairways, shower screens, mirrors and kitchen splashbacks.

www.visiondesignprojects.com

Enquiry 1
A luxury west coast of Scotland retreat has opened a new spa and leisure complex featuring windows, doors and curtain walling manufactured and installed by CMS Window Systems.

The £10 million development by Portavadie Estates includes a 16-metre indoor pool, outdoor spa pools, two Scandinavian saunas, fully equipped gymnasium and spa, café and the largest heated outdoor infinity pool in Scotland.

The glazing specification by CMS ensures the new facilities enjoy stunning floor-to-ceiling views across Loch Fyne and beyond to the Isle of Arran, bringing nature right into the facility and flooding the building with light.

The glass specification incorporated toughened glass with a low E coating, and in areas facing the water, BOCLEAN self-cleaning glass was used to help maintain a high quality appearance in the long term. The glazing also incorporated glass spandrels in place, coloured to RAL 7021 to maintain consistent aesthetics.

CMS was appointed by construction company and main contractor Ashleigh (Scotland) Ltd following a competitive tender. Euan Clark, Commercial Director at Ashleigh (Scotland) Ltd said: “As the design evolved, CMS were a key part of our tender discussions, providing cost and specification advice against client and design team proposals. “Communication was key to the success of the project and CMS was very good at keeping us informed of any variations including costs, which we were able to pass to the client’s representatives and keep them aware of any cost implications against design changes. CMS was extremely collaborative on this project, working well with us and the design team. Having an effective supply chain – with each company meeting their objectives – played a huge part in the successful delivery of this fantastic development.”

The Portavadie Estates project is typical of the high quality contracts that CMS Window Systems undertakes for clients across the UK. Its full service, BIM-ready capability ensures architects and contractors benefit from a highly efficient supply chain, which includes fabrication and installation of all supplementary components such as metal cladding and flashings in-house. www.cmswindows.com

Enquiry 2

Ormerod Design Provides Tasteful Service For Majestic Wine

Leeds-based architectural practice, Ormerod Design, Ltd, has completed a contract to design the new Watford head offices of Majestic Wine as part of a £2 million refurbishment. Working with quantity surveyors Michael Bowker & Associates, M&E consultants Cundall and Nationwide Building Contractors, Ormerod played a leading role in the transformation with a generous splash of high-end style featuring a striking open staircase as the central hub and a custom-designed, state-of-the-art wine storage and tasting counter.

Other elements include a new reception, meeting and board rooms, light training facilities, communal break-out areas, LED lighting throughout for reduced energy usage, charger points for electric cars and shower rooms to promote the company’s ‘cycle to work’ initiative.

Aimie Sutton of Ormerod Design said: “One of the key aims was to create a space which encourages interaction and collaboration between staff over three floors with the spiral staircase as the focal point of this dynamics. We have incorporated a comprehensively high specification, including structural glass and stainless steel balustrade, solid oak doors and windows, custom-built revolving entrance doors, high-tech chilled and boiling water Vormeu taps and high-tech security systems.”

“These superior features have been introduced whilst delivering cost savings of over £1.1 million on the client’s original estimate through careful management of the project, the procurement method and value engineering. Many of the stand-out features, including the testing counter and reception counter, were manufactured from our designs by a family-run company of bespoke joiners.” www.ormeroddesign.co.uk

Enquiry 5

Architectural Awards Results Announced

The winners of the European Copper in Architecture Awards 17 have been revealed online across Europe. This year, the European Copper Institute celebrates online through videos of the Winning and Commended projects including architect interviews, a social media campaign, an Awards brochure and coverage in the latest issue of Copper Architecture Forum magazine – all available via copperconcept.org.awards. The seventeenth iteration of these popular, biennial architectural awards recognises the growing influence of copper and its alloys on modern design. But it also exposes to a wider international audience inspirational projects, some of which might otherwise go unrecognised. This year, over 50 entries were received from 17 countries. The 2015 Awards outright Winner is Trollbeads House, Copenhagen, Denmark, designed by BPP Arkitekter. This regeneration of a 1960s office block into a high security building is organised like a Venetian merchant’s house, with goods loaded at the ground floor, stock and offices above, then a penthouse for the owner with a roof terrace. More information and images of all the entries can be viewed at: copperconcept.org.awards

Enquiry 4

London Based Lighting Specialist Launches Stunning New Mini Collection

The Lamp Factory, London, maker of fine quality lighting and specialist in antique lighting restoration and lamp conversions has introduced three stunning new lamps to their collection. The beautiful new Cooper, Corian, and African Buffalo Horn lamps typify The Lamp Factory and their capabilities, quality craftsmanship, attention to detail and bespoke design. The complete Lamp Factory range of lighting offers traditional designs as well as new and exciting ideas, consisting of table lamps, wall lights, ceiling lamps, and floor lamps. Within these ranges a selection of stunning metal designs can be found. The Lamp Factory, London undertakes work from the most prestigious interior designers and antique dealers in London and are used to the high demands in quality of work this entails. www.thelampfactory.co.uk

Enquiry 3

CMS Windows Provide Fyne Views To Scottish Retreat

A luxury west coast of Scotland retreat has opened a new spa and leisure complex featuring windows, doors and curtain walling manufactured and installed by CMS Window Systems.

The state-of-the-art spa and leisure centre powered by local sustainable technology on the shores of Loch Fyne, Argyll, was designed by architects Stewart Associates, and complements the existing marina development and leisure offering.

The glazing specification by CMS ensures the new facilities enjoy stunning floor-to-ceiling views across Loch Fyne and beyond to the Isle of Arran, bringing nature right into the facility and flooding the building with light.

CMS manufactured and installed all the thermally enhanced curtain walling and windows for the building envelope – these were created using a combination of the advanced SCW® system, Senior Hybrid Systems and the SPAN50 system. The project also involved installing Metal Technology P50 louvres, colour coordinated in RAL 7015 with a matt finish.

Enquiry 1
At: first

Fire Protection, Structural Strength and Adaptability

Structural fire safety is achieved either by what is called ‘passive protection’ for example fire resistant lining boards and/or ‘active protection’ through the use of smoke ventilation, alarm systems and sprinklers. For the structural engineer, the material chosen within the structural solution will influence the passive and active fire protection strategy.

Ian Quinton, Managing Director of RCM - suppliers of building boards and facade solutions to such high profile structural timber developments as the University of Hertfordshire – discusses the benefits of RCM’s solutions relating to fire regulations and technical specifications for structural timber buildings.

The Structural timber association recently published the document – 16 Steps to Fire Safety. The document states that structural timber construction processes can reduce the risk of fire through good design, taking simple precautions and ensuring good site security.

RCM Y-Wall is an adaptable calcium silicate based fibre cement building board, offering excellent fire properties as well as high levels of dimensional stability. Y-Wall is A1 Non-Combustible - used as a fire rated sheathing board and is applied extensively on both metal and timber frame structures, the product is applied behind all types of facade solutions, as well in floors and roofs, offering a non-combustible classification.

RCM’s Y-Wall is also BBA approved. This offers full technical approval for non-combustible classification.

RCM Y-Wall has also been tested within the new BS4144 test and is suitable for buildings over 18 metres.

• Meets EN ISO 1182: 2010: Reaction to fire - non-combustibility
• Meets EN 13501-1: 2007: Classification of Reaction to fire – A1 Non-Combustible
• Meets EN 12467: Fire rated through wall solution to BS 476 part 21 BS 476 part 22
• Fire Rating At Non-Combustible Classification

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New Video Shows Big Advantages Of Airpop® ‘Blown Bead’ Insulation In New Build Properties

A new six-minute video from the NBBA (National Blown Bead Association) demonstrates the clear advantages of airpop® over traditional mineral fibre cavity insulation for all types of new build properties. The video (www.nbba.org.uk/news/airpopvideo.html) shot on real residential building sites states that the speed, simplicity and long-term effectiveness of blowing airpop® expanded polystyrene beads into cavity walls enables building and construction companies to achieve lambda values which are superior to other insulation - allowing Part L of Building Regulations to be easily met or exceeded.

According to the video, produced by the EPS group of the British Plastics Federation, airpop® is a ‘best in class’ insulation material which offers long-term performance because it also reduces problems of settlement encountered with lesser materials. The unique nature of the fast-flowing beads mean they fill from the smallest to the widest cavities as well as reaching complex internal geometries which demand extreme, high insulation performance.

A special test rig in the video is used to show that the beads flow at high speed like liquid into every part of the cavity. In minutes, every void around services, josts, conduits, doors, windows and other internal structures is completely filled with millions of beads to ensure there are no cold spots. After each cavity is filled, the beads settle immediately and become bonded together to form a virtual solid layer of insulation which is stable - yet allows the cavity to breathe as intended.

The video also tackles the issue of water ingress which can cause damp problems over time when moisture is trapped like a sponge in fibrous materials. It graphically shows the millions of tiny spheres allowing the safe and effective dispersal of any moisture rapidly to the ground rather than creeping laterally to inner walls. Blown bead insulation requires smaller and fewer drill holes in the internal walls of the property.

For technical information visit www.nbba.org.uk

Enquiry 10

Air Conditioning Firm Wins Environmental Award

Air conditioning and renewable specialists Abel Environmental Services Ltd (AES), based in Hampshire, has just received a special environmental award for installing a low carbon heating system that offers lower emissions and running costs.

The independent family run business which has been trading for over 25 years was awarded a special Green Gateway Award by manufacturer, Mitsubishi Electric which markets the Ecodan range of air source heat pumps. AES gives free advice on the design and installation of air to water heat pumps, power generating photovoltaic (PV) panels, underfloor heating, air conditioning and LED lighting products.

The home is in an off-gas area where the only options are oil or LPG heating and the installation of the Ecodan heat pump means that the homeowners not only have reliable, low cost heating all year round. AES receive a special trophy as part of the Green Gateway Awards, as well as a £1,000 donation from Mitsubishi Electric which will be split between the Alzheimer’s Society and Cancer Research. www.aeslimited.co.uk

Enquiry 7

New CPD Guide To Chiller Technologies

Mitsubishi Electric has launched the latest in its free CPD-accredited industry guides with a focus on Chiller technologies and role they can play in helping reduce both energy consumption and running costs in today’s buildings.

The free, independently written guide looks at all the key issues facing the industry today and the increasing importance of legislation such as the revision of Part L, as well as regulations like Energy Performance Certificates and the new Energy Saving Opportunities Scheme. A downloadable pdf version is available at the company’s dedicated digital library http://library.mitsubishielectric.co.uk

Enquiry 9

Product Testing and Certification

RCM Y-Wall is also BBA approved. This offers full technical approval for non-combustible classification.

RCM Y-Wall has also been tested within the new BS4144 test and is suitable for buildings over 18 metres.

• Y-Wall is tested to BS 476 Part 4
• Y-Wall conforms to BS EN12467
• Y-Wall tested by Warrington Fire research
• Fire rated throughout solution to BS 476 part 21 BS 476 part 22
• Fire Rating At Non-Combustible Classification

RCM’s Y-Wall has also been tested in the new BS8414 test and is suitable for buildings over 18 metres.

• Multipurpose TF - Tried and Tested for Timber Applications
• Tested by BRE Global, our new Multipurpose TF Board has been specifically designed for the structural timber sector. With BBA Certification pending, the AT Non-Combustible Multipurpose TF is a cellulose fibre cement 8mm board. Offering the complete solution, Multipurpose TF delivers exceptional racking, adaptability, strength and fire protection. Multipurpose TF also has excellent weather properties and is very easy to cut and fabricate.

Product Testing and Certification

• Meets EN 1176: 20101: Reaction to fire - determination of the heat of combustion
• Meets EN ISO 1182: 2010: Reaction to fire - non-combustibility
• Meets EN 13501-1: 2007: Classification of Reaction to fire – A1 Non-Combustible
• BBA Certification Pending
• EN594 Racking Resistance

As Managing Director of RCM Building Boards and Facades, I would like to stress that we are committed to developing products, applications and services to meet the needs of the structural timber sector and invest further in developing bespoke products. We would be interested to hear from companies who have specific building board requirements and are unable to source a solution.

www.buildingboards.co.uk

Enquiry 6

New CPD’s Offered By Building Boards To Support Enquiry 8

Flat Roof Manufacturer Bauder Launches New Website

Bauder has officially launched its new website, delivering an engaging and interactive user experience with regards to content, structure, navigation and resources available for download. Key features include; design guides, installation videos, CPD seminar overviews and a Technical Centre that offers free CAD drawings, specifications, product and system certifications and maintenance advice. Bauder has also launched a blog and new social media channels on Twitter, LinkedIn and Google+ www.bauder.co.uk

Enquiry 8

Enquiry 9

Enquiry 10

Enquiry 7

Enquiry 6

Enquiry 8
Reserve Your Copy Of The Market’s Favourite Door Range Catalogue

The latest Premdor range catalogue will be the biggest and most comprehensive yet, with hundreds of new door options. Take inspiration from the existing new Portfolio range of high quality Veneer finished doors. A look through the new catalogue will reveal a substantially increased range of internal and external Oak doors complementing Premdor’s existing Oak door range. Additionally the catalogue showcases the latest contemporary glazing styles.

www.premdor.co.uk

Enquiry 11

Reynaers Announced As Finalists For Six Construction Marketing Awards 2015

Reynaers has been announced as finalists for an incredible six categories in the Construction Marketing Awards 2015 following a series of successful campaigns, events and research conducted over the past year. The awards, now in their 15th year, showcase the construction industry’s creativity, innovation and effectiveness in marketing. Expert judges recognise and reward excellence in the built environment across 22 categories. Aluminium systems company Reynaers is finalist in the Best Digital Campaign; Best Use of Events and Live Marketing; Best Use of Direct Marketing; Best Use of Advertising; Research and Insight and Marketing Team of the Year categories.

Enquiry 12

Let’s Talk About Steel

EOS Facades - the innovative, award-winning manufacturer of light gauge steel frame (LGSF) solutions have launched a series of CPD sessions.

Why use LGSF?

With speed of construction, low emissions and reduced costs all high on the construction industry agenda, LGSF provides a solution. Offering a combination of strength, durability and precision engineering, light gauge steel frame can be utilised in a way that encourages innovation and optimises value engineering - allowing projects to be delivered on time and on budget.

In a bid to share their extensive knowledge, EOS Facades are offering a series of CPD sessions, designed to highlight the various light gauge steel solutions available, and explain how these can be applied in real life scenarios - such as:

• Cold Formed Sections
• SFS INF Systems
• SFS Onsite Steel & Track
• SFS Offsite Pre-Assembled
• Other Applications - including LBS, Lattices & Cassettes
• Design
• Partnering
• Examples of best practice

These CPD sessions could not be more convenient - an EOS Facades technical representative will come directly to you and the seminars are completely free of charge. Get involved and start talking about light gauge steel!

To request your CPD session simply contact Thomas Elliott, EOS Facades Technical Sales Manager on: Email: thomas@eosuk.co.uk Telephone: 07528 364581 www.eos-euro.co.uk

Enquiry 14

Sustainability - From Construction And Beyond

It is widely recognised that climate change presents an ever growing threat to development, poverty eradication efforts and the welfare of citizens from the UK and across the world. The impacts of climate change are already being felt on every continent. According to the Intergovernmental Panel on Climate Change, the world’s greenhouse gas emissions are continuing to increase and on the present path, global temperature rise will far exceed the limit of 2°C that countries have agreed to target in order to avoid the most dangerous impacts of climate change. With December fast approaching, the will be a significant focus on Paris and the United Nations Climate Conference (COP21).

France will be hosting the 21st session of the Conference of the Parties to the United Nations Framework Convention on Climate Change, otherwise known as “Paris 2015”. The conference is planned to have significant impact of the environmental consciousness of the world, as it needs to achieve a new international agreement on the climate, applicable to all countries, with the aim of keeping global warming below 2°C. France will therefore be playing a leading international role to ensure points of view converge and to facilitate the search for consensus by the United Nations, as well as within the European Union, which has a major role in climate negotiations. The conference will focus on the aim to reduce carbon emissions to ultimately create a zero carbon future. Among the goals of Paris 2015 will be the idea of creating zero carbon impact buildings as in many countries as possible, as soon as possible.

Although the target of zero carbon buildings may appear to be something in the distant future, it is vital that every business within the construction industry should have a corporate responsibility mapped out that is underpinned by principles of sustainability. This covers a broad spectrum of factors that play into the ideas of carrying out activities without exhausting resources or implementing harmful impacts to society and the environment. Particularly within construction, it is fundamental that we meet the needs of today without compromising the world of tomorrow.

We must first understand the complexity of this subject and acknowledge that sustainability values should be considered, not only throughout the construction process but in every aspect of a company. The built environment accounts for 45% of total UK carbon emissions and we must tackle this initially from the selection and sourcing of materials to the long term effects of the final build. Timber is the number one renewable mainstream construction material, allowing the production of greener buildings with low carbon footprints. An assured system for sustainable source verification of timber products is fundamental to any business looking to source materials, this can be achieved by identifying Chain of Custody Certification for both FSC and PEFC. By carrying this out, it not only promotes legal compliance but also ensures that forest cultivation of sourced timber is well managed, the local ecology is protected and that forest workers are treated fairly.

FIGURES show that 32% of landfill waste comes from the construction and demolition of buildings, this is something that can be avoided through the use of offsite construction. While conventional building practices have been proven to be extremely wasteful when it comes to materials, offsite methods of construction produce far lower amounts of waste. Design for manufacture ensures that the process of ordering and cutting the materials to size in a factory are much more controlled, therefore reducing the waste involved with the manufacturing process. Waste collection, sorting and re-cycling is significantly easier to organise within a factory environment than onsite.

Now that eco-credentials are of the highest importance in the construction and modern trading world, it is vital to continue to innovate and find new ways to monitor and reduce environmental damage in building. The X-LAM Alliance have developed a Carbon Calculator which is an innovative digital resource which delivers carbon estimates to help assess the most viable lowest carbon solution. Relevant information influencing the calculation is entered into the system - such as material volumes and transport factors. The Carbon Calculator produces carbon estimates to act as guidelines for different project scenarios – enabling professionals to gain early information about the environmental impact of their proposed development.

It is absolutely vital for companies like the X-LAM Alliance to consistently strive to adopt and apply Best Practice sustainability principles through all aspects of their processes, this is something that we follow through from raw material procurement to manufacture, offsite premises and onsite assembly. When world leaders, CEOs, senior executives, national, regional and city leaders, investors and industry experts gather in Paris they will set the framework for a transition towards resilient, low-carbon societies and economies. At the X-LAM Alliance, we are already starting to take actions off this critical to do list.

To find out more information or to book a CLT CPD Session, please email: info@xlam-alliance.com or visit: www.xlam-alliance.com

Enquiry 15
York Handmade Win Major Award At Brick Oscars

The York Handmade Brick Company, one of the leading independent brickmakers in the country, has won a major prize in the prestigious 2015 Brick Awards. York Handmade, based at Alne, near Easingwold, in North Yorkshire, won the Best Outdoor Space category in the brick awards for its “magnificent achievement” in restoring the Belvedere and Queen Elizabeth Walked Garden at Dumfries House in Scotland, a pioneering restoration project masterminded by Prince Charles.

In addition the Belvedere was shortlisted in the Craftsmanship and Best Refurbishment Project categories, while York Handmade was also nominated for its work on Carmelite House on London’s Victoria Embankment. David Armitage, chairman and managing director of York Handmade commented: “We are absolutely thrilled. This was a very exciting and challenging project for us, superbly supervised and executed by our sales manager Mark Laksevics and specials manager Mark Todd.

“It involved creating 47,000 bricks which fitted in perfectly with the ravaged boundary wall of the walled garden as well as unique specials for the Belvedere Folly and the Education Centre at Dumfries House,” he explained. “The project was overseen by Prince Charles and we were very proud when he praised the quality of our bricks at the opening of Dumfries House. Now this wonderful award had added to our delight. Huge thanks are due to the management team and employees at York Handmade for their imagination, enterprise and hard work, which all combined to make this award possible,” commented Mr Armitage.

The Brick Awards’ judges commented: “This project could be considered a winner over several categories. It is absolutely stunning, a magnificent achievement. The five-acre walled garden was derelict and within a twelve-month period the garden has been transformed into one of the most interesting walled gardens in this country.”

“The external garden wall with its sloping brickwork has been repaired to a very high standard and the Belvedere sits as a crown above the garden. The centre piece of the garden is the brickwork walls and staircases associated with greenhouses giving a heart to the new garden. The project has given local employment to some 80 people and provides access for 5,000 primary pupils in the adjoining kitchen garden”.

The awards were presented at a glittering ceremony at the Hilton Park Lane in London’s West End this week. Run by the Brick Development Association in conjunction with Building magazine, and compered by television personality Nick Knowles, they are the brick industry’s Oscars. York Handmade also provided the bricks for Boxmoor Construction’s Springfields development in Reading, which was short-listed for the Specialist Brickwork Contractor of the Year prize.

Chairman David Armitage said: “We are particularly proud to be involved in three fantastic projects this year, all of which were nominated for the Brick Awards. It is important to stress that our three short-listed entries are completely different jobs in design and execution, graphically illustrating our ability to work in a wide variety of colours and styles. We believe we can tackle any brickwork project successfully.”

www.yorkhandmade.co.uk

Enquiry 16
at first

Stelrad Launches New Aqua Series

Stelrad believes that a radiator should simply be functional, it should also add aesthetic appeal, so is offering a range of highly reliable, high performance, good looking radiators to grace any bathroom or kitchen under its Aqua Series branding. It is offering specially selected products for kitchens and bathrooms, firstly, its Decorative collection – five stylish yet cost-effective radiator designs and secondly, its Designer collection – six product options that help the homeowner looking for an individual statement radiator that delivers distinction to a room as well as warmth and comfort from the performance levels associated with it. www.stelrad.com

Enquiry 18

Rise And Fall Table At The Heart Of The Home

When a dining table needs wheelchair access from all sides, Indivo from Pressalit Care helps keep the kitchen at the heart of the home. The free standing, rise and fall table frame from Indivo brings much needed flexibility to an accessible kitchen or dining room, enabling all members of the family to eat together in comfort.

The table frame has a height variation of up to 300mm, and is operated either with a neat turn handle that fastens underneath when not in use, or alternatively with a colour coded electric switch. The stable and secure free-standing table frame, accompanied by a table top of choice, benefits from the Indivo lifter mechanism that is also used for rise and fall wall-mounted work surfaces and wall cupboards to create a fully accessible and flexible kitchen. www.pressalit.com

Enquiry 19

Successful Combination Of Aesthetics And Technology Wins The Geberit Aquaclean Mera Shower Toilet A Red Dot Design Award 2015

The Geberit AquaClean Mera, the manufacturer’s most advanced shower toilet yet, has been recognised for its superior good looks and technical ability with a Red Dot Design Award 2015. Designed by Christoph Behling, the Geberit AquaClean Mera impressed the judging panel of the Product Design category of the prestigious awards with its aesthetic appeal and its array of intelligent comfort functions that bring spa-like luxury to the bathroom.

The Jury of the 2015 Red Dot Design Awards, which comprises design experts of international repute, commented: “The Geberit AquaClean Mera shower toilet meets all hygienic requirements in a compelling way. The design holds out against visual and technical upscale standards. The patented WhirlSpray shower technology ensures particularly effective cleaning, and the functions are easy to access. A revolting shower spray provides an immediate and continuous supply of body temperature water, while infused air refines the water jet. The entire asymmetric internal geometry of the rimless ceramics is polished very high light transmission and is practically colourless. www.drservices.co.uk

Enquiry 20

neaco Launches Balustrade With Integral LED Lighting

neaco have introduced an exciting new design option for their Spectrum range of balustrade and balusters with the launch of rails with integral LED under-lighting. The latest innovation was unveiled at the Build Show and received an extremely positive response from designers, architects, contractors and a variety of other construction professionals.

neaco’s UK Business Development Manager, Peter Melia, said: “The LED under-lighting is another impressive example of the superior architectural aesthetic which characterises our Spectrum balustrade range. This new option adds an atmospheric touch to design schemes and, given the response at the Build Show, I’m sure that it will be a popular specification across a variety of projects.”

Available in powder coated aluminium or stainless steel – or a combination of both – neaco’s Spectrum balustrade range includes a comprehensive choice of infills, from toughened glass and rails to mesh, tension wire and perforated panels. Aluminium Spectrum is available in a wide variety of solid, metallic and wood-effect finishes which are warm to the touch.

The Spectrum range also includes free-standing structural glass and a wide choice of glass-panelled Juliet and walk-on balconies. All neaco products are backed by a class-leading Lifetime Guarantee – further information is available at www.neaco.co.uk

Enquiry 23

Wetroom Solutions Are Perfect For Country Mansion

Octagon Developments create prestigious homes throughout London and the home counties. Situated within the world famous Wentworth Estate, Crossways is a magnificent country mansion set in over 2 acres of beautifully landscaped south facing grounds.

This stunning home features 7 bedroom suites, 6 reception rooms, staff accommodation, underground car park, a choice of both indoor and outdoor pools and an all-weather tennis court. Wetrooms UK were approached by Octagon Developments to supply and install wetroom systems and waterproofing solutions into the Master Bathroom, Gym and three further En-Suites at the luxury house in Virginia Water.

All wetrooms were to be installed onto solid floors. Wetrooms UK were approached by the required floor or wall position within each bathroom.

R/W T Wiebe waterproof membrane was applied to the floor and wall junctions within each of the shower areas and across the floor area, finishing 1 metre outside the shower area. RW FWM was then applied full height to the shower walls, linking to the RW Wiebe membrane, to prevent any water penetration. www.wetroomsuk.co.uk

Enquiry 22
Granite Transformations Franchise Conference Previews Brand Transformation

Granite Transformations, the home improvements brand owned by the international Trend Group, held its most important and best-attended UK franchise conference ever, last month. Franchise owners and their partners from around the national network, prospect franchisees, head office support staff from Turbridge Wells and senior corporate executives from Florida, including Trend CEO Andrea Di Giuseppe, all took out time for the conference, held at Sarah Beeny’s magnificent Rise Hall.

The event provided the launch pad for the UK element of a major global rebranding programme, which will see the small yet significant brand transition from ‘Granite Transformations’ to ‘Trend Transformations’, first through a year-long pilot project, then a subsequent national rollout. The Group CEO offered his personal vision for the new brand, with its wider product portfolio, while senior directors from top rebranding agency, FutureBrand, outlined the practicalities.

Guest speakers included Daily Telegraph business columnist, John Timpson CBE, and top interior designer and television presenter, Julia Kendell, CBE, and top interior designer and television presenter, Julia Kendell, who provided market insights from an independent perspective. TV and newspaper property guru Sarah Beeny hosted the event, chatting with guests and posing for pictures. Chaired by Danny Hartley, Chief Operating Officer of the UK and North American operations, and organised by his colleague Sam Gent, newly appointed European Brand Manager, the 2-day function was staged at the hall, where Trend and Granite Transformations finishing products and craftsmanship are much in evidence.

The event was also notable for an absence of mobile phone and wi-fi pressures of the office. Among the highlights of the event were the annual presentations to the top network performers, with the coveted Franchisee of The Year title going to Ipswich business owners Steve Leech and Darren Root. Paper is inspired by the remarkable tactile properties of paper. Distinguished yet discreet, it makes surfaces stylish and adds the extra value of versatility.

Cross is a special horizontal finish that is sinuous, structured and opaque, for a deep visual effect that highlights any shade. Root expresses itself with signs that are reminiscent of wooden essences, instantly transmitting warmth and energy through sight and touch.

In addition, Abet Ltd will be showcasing our new Polar’s collection at the Architect@Work show in Olympia on 27-28th January 2016. Visit us at booth 99 to see this innovative new product which has a velvety feel and very high resistance to wear, scratch, heat and fingerprints. It is both non-porous and ultra-matt with a contemporary aspect.

Abet Ltd has recently obtained single site certification for the chain-of-custody standards of the Forest Stewardship Council (FSC). This follows on from Abet Laminati which was awarded both FSC and the Programme for the Endorsement of Forest Certification schemes in January 2014.

www.abetuk.com
Caesarstone Unveil 5 New Colours For Autumn/Winter 15

Caesarstone has unveiled five, stunning new colours for this autumn/winter. Three of the colours—Statuario, Symphony Grey and Urban Safari—will be exciting new additions to Caesarstone’s pioneering Supernatural series of colours, whilst Raw Concrete, a semi-matt, putty coloured quartz and Vanilla Noir, a dramatically dark colour, will join the Classico Collection.

Launched just three years ago, Caesarstone’s Supernatural Series, with its focus upon emulating the aesthetic appeal and tactility of natural materials, and in particular, marble, has been exceptionally well received. The range is acknowledged as having set a new ‘blueprint’ for quartz and the new colours are being launched as a direct response to demand from retailers, designers, architects and consumers alike. As with Caesarstone’s existing colours, the new palette provides an incredibly realistic, yet highly versatile alternative to marble and natural stone that can be specified throughout the home to stunning effect.

Colours are perfectly in keeping with the current mood for muted, timeless shades—see the warm earthiness of Urban Safari or the cool, contemporary aesthetic of Symphony Grey. Vanilla Noir has a dark, opulent density that makes it perfect for industrally influenced kitchens, whilst Statuario with its elegant, soft grey veining will surely become as popular as Caesarstone’s 2014 hit, Calacatta Nuvo. Raw Concrete, meanwhile, bakes its name with a warm, urbane appearance that is beautifully aligned with the current vogue for pared down, modern rustic room schemes.

A Refined and Sophisticated Engineering Process

As with all Caesarstone quartz, the new colours might embody the beauty and tactility of natural materials down to the very last detail, but that is where the similarity ends. The result of a refined and sophisticated manufacturing process, Caesarstone has championed the design and production of superior quality quartz.

Versatility, Durability… Peace of Mind

Unlike marble and many natural materials, Caesarstone’s quartz is completely non-porous. This means it can be used for myriad applications throughout the home—including within bathrooms, wet rooms and shower rooms. It is also so durable and resistant to wear and tear that it can be confidently used for flooring. And unlike marble, a spilled glass of red wine, olive oil or beetroot is unlikely to trouble a Caesarstone work surface. Ditto heavy pans, scratchy scourers and even ‘creative’ kids.

Chris Pepper, Caesarstone UK’s Business Development and Marketing Manager says, “We are really pleased to be unveiling these five, fabulous new colours. The Supernatural colours in particular offer the unquestionable appeal of marble and natural stone, but deliver so much more than simply aesthetic values—and it is this outstanding blend of style, longevity and durability that makes Caesarstone’s quartz such a superb specification for so many applications. These new colours are some of our most exciting and significant to date and we have been delighted by the early enthusiasm shown by customers.”

www.caesarstone.com/lp/newcolors2015

Enquiry 27
Three New Cylinders Added To Panasonic Aquarea Range

Panasonic has introduced three new hot water cylinders to its Aquarea heat pump range. The new cylinders have been designed and developed with the UK’s growing heat pump market in mind.

Implementing HCFC free Enronfoam insulation, these cylinders offer some of the lowest levels of standing losses on the market, whilst also achieving an environmentally friendly solution, attaining an Ozone Depletion Potential (ODP) of zero and an industry leading Global Warming Potential (GWP) of 0.5.

Aquariere’s unvented cylinders work with the existing Aquaria heat pump range. Manufactured in the UK, the cylinders are designed to simplify installations and to deliver on-site time savings. The heat pump cylinders have an increased heat exchanger to maximise the lower temperature available from the heat pump.

www.aircon.panasonic.eu

LG Supplies Air Conditioning And Heating To Iconic Memorial Building

Independent LG distributor LGCC has supplied the air conditioning and heating services for the new National Memorial to the Few at Capel-le-Ferne, bringing together the latest Variable Refrigerant Flow technology and Heat Recovery Ventilation units in a unique energy saving combination.

Using LG Multi V Series 4 heat recovery VRF system LG has supplied a 32HP (189kW cooling/100kW heating), two module, inverter driven outdoor unit connected to ten large ducted internal units and two four way air discharge cassette, connected through five heat recovery distribution boxes. In addition there are three LG Heat Recovery Ventilation units (ECO V) installed for the supply and extract of fresh air.

www.lg.co.uk

Johnson And Starley’s Quantec Boiler Range Gets New Ultra High Efficiency LPG Model

With some 2.5 million households in the UK not connected to mains gas and many using liquid petroleum gas (LPG) to heat their homes, Johnson & Starley has introduced the Quantec 28kW LPG combination condensing boiler. It offers exceptional efficiency in LPG consumption with its integral Passive Flu Gas Heat Recovery (PFGR) function, which enables the production of domestic hot water to condense as well as the heating with savings up to 26%. All this in a size of the standard combi boiler. In addition to permanent housing, this new Quantec boiler is ideal for use by off-grid owners of holiday homes and residential park accommodation as well as owners of smaller commercial premises. The Quantec HR28CP fired boiler heats water to provide both central heating and domestic hot water.

www.johnsonandstarley.co.uk

Omnie From Timoleon Offers Total Controllability

A key consideration in achieving genuine energy efficiency and fuel savings from high performance renewable technologies is having the correct controls - which is why Timoleon’s holistic OMNIE range encompasses a comprehensive selection of control units.

The company’s recently launched offering to the building services sector brings together heat pumps, mechanical ventilation with heat recovery, surface cooling and its renowned range of underfloor heating systems, all optimized by utilizing state-of-the-art controls.

The entry level sees programmable room thermostats as well as simple Dial thermostats, which are intended to be used solely with underfloor heating. Both are flush mounted and modern in appearance. Then, OMNIE achieves its true potential through the use of Network controls. These are configured around the OMNIE Control Hub. a stylish all-in-one interface with touch screen that is available with four different frame options. www.omnie.co.uk

www.aquatiere.co.uk

Ecopure PRO-III Whole House Water Filter System

The Ecopure PRO-III Whole House Water Filter System is Aquatiere’s top of the range and finest whole house water filter system for those seeking nothing but the very best.

The advanced formulation of actieve-ceramics are highly effective at reducing lime scale and a very wide array of water impurities including chlorine, toxins, heavy metals, hormones, chlorine and fluoride.

The filter is highly advanced and effective at killing and containing bacteria in water such as E-coli, Pseudomonas and other microorganisms. The system can is used to produce clean and great tasting water for the whole house (and even the garden - for plants, paddling pools, etc.). The Eco-Advantage At the end of the life of the main cartridge, you can take out the ceramics and use it to fertilise your garden to improve the health of plants or grass and soil drainage. The plastic housing can be put through your normal recycling waste. www.aquatiere.co.uk

www.proctorgroup.com

Renewable Technology At Core Of The Omnie Collection

Heat pumps remain a relatively nascent technology in the UK market, meaning customers should seek to purchase properly integrated systems from manufacturers with a proven track record. The Omnie collection by Timoleon brings together just such an offering, which includes high performance air to water heat pumps as well as a compatible selection of underfloor heating systems and fully compatible control options. The 6 to 9 kW LWO models have been developed to offer high efficiency and very quiet operation as well as a long low maintenance working life.

The LWO is intended to be located close to a property while the internal module contains the hydraulic unit with the expansion vessel, back up heater and circulator. If the predicted load demands the installation of two heat pumps, the internal MOD hydraulic unit will provide the necessary control functions for the cascade arrangement. The Omnie range also features an UW ‘monobloc’ model that is designed to be located away from the building. Almost as quiet as the LWO alternative, the 12 to 35 kW UW heat pumps produce a noise level of 51 at one metre distance.

Not all air source heat pumps are suitable for use in the UK’s moist temperate climate, either in respect of their performance or their durability, but the LWO heat pumps under the Omnie brand are corrosion protected and designed to both generate high COPs (Coefficients of Performance) at lower temperatures, and to minimize defrost cycles when the weather is freezing. www.omnie.co.uk

www.aquariere.co.uk

Eco-friendly solution, attaining an Ozone Depletion Potential (ODP) of zero and an industry leading Global Warming Potential (GWP) of 0.5.
Floor Access Cover Skate

The Howe Green Cover Skate is the ingenious way to lift and move heavy floor access covers. Simple, convenient and extremely portable, Cover Skate can be carried in a bag and it will enable you to lift even the heaviest of covers on your own – safely, easily and quickly. The Cover Skate means fewer people are needed to do the job and the health and safety issues that come with using bigger pieces of equipment are no longer an issue. The Access Cover Skate is suitable for use in all types of locations from airports, factories and hospitals to hotels, offices and schools - giving access to conserved services quickly, safely and cost effectively. Available online at www.accesscovers.co.uk

Enquiry 36

Making Light Work Of Brick Softifs

Creating flawless brick-faced softifs and lintels has now become much simpler and quicker, thanks to a new lightweight stainless steel based system developed by brick support specialist Ancon Building Products and Ibstock Kevington, manufacturer of brickwork and masonry special shapes and prefabricated components.

The new Nexus® system combines a specially developed Ibstock Kevington lightweight brick-faced steel unit with Ancon’s tried and tested MDC stainless steel bracket angle support system.

The system offers contractors easier handling coupled with maximum adjustability. The new system offers considerable benefits over traditional cast concrete alternatives – cutting weight by more than half, which in most cases will allow the brick-faced units to be installed without specialist lifting equipment, and significant savings in installation time.

www.ancon.co.uk/Nexus

Enquiry 37

Wienenerberger Unveils New Keymer Specification Guide

A brand new limited edition specification guide has been launched by Keymer, the internationally renowned manufacturer of handmade roof tiles which is now part of the Wienenerberger group, that showcases its history and products. The 76-page guide, which can be ordered free-of-charge is a compilation and celebration of Keymer’s history, utilising hand drawn images that call back to the company’s founding in 1588. The full range of traditional, handmade tile types currently produced by Keymer is featured in the brochure with photography of the tiles from projects such as Leeds Castle in Kent to Shakespeare’s Birth Place in Stratford upon Avon. www.wienerberger.co.uk

Enquiry 38

New Animated Installation Video For The Helifix Dixie Micro-PILE

Helifix has created a new animation which shows step by step installation procedures for its versatile Dixie micro-pile. The animation demonstrates how these high performance micro-piles can be used either to stabilise existing buildings that are suffering from subsidence or to help form secure and level foundations for new constructions. The Dixie micro-pile is backed by International Code Council (ICC) certification and conforms to AC358, the International Standard for helical foundation underpinning systems. www.helifix.co.uk/videos

Enquiry 39

Waterproofing Simplified With Remmers Multi Tight 2K

Multi-Tight 2K is a new, flexible, mineral based waterproofing product which has all the performance properties of older technology polymer-modified thick bitumen emulsions, whilst being “bitumen free”. Using unique rubber granulate filler technology Multi-Tight 2K has a crack-bridging capacity which is five times more effective than standard flexible mineral-based waterproofing systems. The versatility of the product allows it to be used as a base up to ground externally and internally offering excellent resistance to ground or water pressure as well as frost and salt. It is very quick and easy to apply by trowel or spray application, has fantastic levels of adhesion to most substrates including old bitumen and dries in less than 18 hours.

Multi-Tight 2K is UV stable but can also be oven-cured with Remmers Concrete Acrylic in any colour allowing Clients to aesthetically blend in areas of waterproofing on building facades. www.remmers.co.uk

Enquiry 40

Go Wild With New Naturals From Trespa

Trespa has announced a new range of panels with seven unique decors, and finished, allowing the specifier to unleash their individual design creativity in new ways. Now, any building can acquire unique character with decors inspired by natural materials and processes, bringing building facades to life with a new range of cladding panels, each with a unique, timeless natural texture.

“Trespa® Meteon® Naturals bring compelling aesthetic and almost limitless design possibilities to next-generation architectural claddings. When you walk around the building, each elevation will change its look and the next step in decor technology as they feature unique innovations. First, the matt finish includes three distinct elements: first, the decors have metallic pigments. This combination of features creates a stunning effect on the façade. ‘When you walk around the building, each elevation will change its look and internal. The scalable, environmentally friendly product adds the aesthetic qualities of natural materials to any design. The scalable, environmentally friendly product adds the aesthetic qualities of natural materials to any design. The scalable, environmentally friendly product adds the aesthetic qualities of natural materials to any design.

The panels are the latest extension of the popular Trespa® Meteon® range. Trespa® Meteon® is designed for vertical exterior wall coverings such as façade cladding, balcony paneling, sunshades and other demanding exterior applications. With a broad range of colours, finishes and tactile effects, Trespa® Meteon® brings compelling aesthetic and almost limitless design possibilities to next-generation architectural claddings. The panels are the latest extension of the popular Trespa® Meteon® range. Trespa® Meteon® is designed for vertical exterior wall coverings such as façade cladding, balcony paneling, sunshades and other demanding exterior applications. With a broad range of colours, finishes and tactile effects, Trespa® Meteon® brings compelling aesthetic and almost limitless design possibilities to next-generation architectural claddings.

Trespa® Meteon® Naturals combine a timeless natural appearance with the solid durability associated with all Trespa® products, explains Mr. Stevens. “The panels have been tested extensively for weather- and UV-resistance. The surfaces are easy to clean and 3,000 hours of weather exposure and water testing showed outstanding performance, guaranteeing the products’ longevity worldwide, which is why Trespa offers a 10-year conditional product warranty on the entire range.”

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www.trespa.com   Email: info.uk@trespa.com

Enquiry 41
Self Closing Safety Gates Provides Roof Edge Protection

Safetile, a supplier of fall protection solutions, has introduced Kee Gate, a range of self-closing safety gates as part of its product portfolio which provides workers with a safety solution when working at height. Designed to work both externally and internally and on ladders, roof hatches, walkways, with edge protection and plant machinery. Kee Gate ensures maintenance and inspection staff can fulfil their job, follow best practices and comply with current safety standards, without putting their safety at risk. Kee Gates are spring loaded so can automatically close behind the user, providing an added level of security and overcoming the potential for human error. This type of system is the preferred solution to chains, bars or sliding tubes, as these traditional forms of protection can lead to a hazardous void, when used incorrectly.

Kee Gate is 1 metre wide. Operation can be through single or multi-channel wall keyboards and programmable remotes which give users scope to create their own system with a virtually unlimited range. The 2ZWP100 multi-channel remote has an active screen and capacity to operate several dozen receivers separately and many more in groups.

www.kee.co.uk
Enquiry 44

Bauder BioSOLAR Generates Green Roof And PV Synergy

Flat roof manufacturer Bauder launched its revolutionary solar PV mounting system for biodiverse or extensive green roofs. Bauder BioSOLAR, at the inaugural ‘European Biosolar Roof Conferences’ that took place in September at City Hall in London. Designed primarily for new build applications where environmentally friendly solutions are required to meet planning and BREEAM requirements, this integrated system addresses the misconception that green roof and PV technologies are mutually exclusive options.

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The construction industry has long been calling for rooftop solutions that include both green roofs and PV systems. The biosolar solution also delivers advantages to the building, as the cooling effect of the vegetation and water held within the green roof system preserves the ambient temperature around the PV array, which in turn increases the solar output by over 5%. The mounting frame features a 100% recycled high-density polyethylene base board and consists of just three components – a quick fix angle support, profiled module rail and module fixings – that make for an extremely quick and simple installation process.

Although well suited to new build applications, the Bauder BioSOLAR system can also be retrofitted on many existing roofs without the need for any structural modification to the building, and with Bauder able to supply and install all of the waterproofing, green roof and PV elements you can be confident of the significant synergy effects created by this energy efficient and cohesive system. www.bauder.co.uk

Enquiry 46

Klober Roofing Airtightness

As a leading design focussed manufacturer of roof waterproofing systems, Klober has long been calling for designers, specifiers and main contractors to have already implemented BIM for their projects. Axter BIM objects include it’s most widely specified systems – UNiLOK® PLUS® structural waterproofing, CITYFLOR green roofs, EXCEL warm roof constructions and ECOFLEX single ply roofing. These can be freely downloaded from the Axter website, www.axter.co.uk and the NBS National BIM Library.

Enquiry 45

Axter’s BIM Models

As a leading design focussed manufacturer of roof waterproofing systems Axter has created, in partnership with RIBA, a series of BIM objects to enable design teams to include high performance, robust roofing systems into their 3D models. Building Information Modelling (BIM) is the way forward for building design and implementation, moving towards a common information pool for all parties. With all government projects having to achieve BIM level 2 by 2016, many designers, specifiers and main contractors have already implemented BIM for their projects. Axter BIM objects include its most widely specified systems – UNiLOK® PLUS® structural waterproofing, CITYFLOR green roofs, EXCEL warm roof constructions and ECOFLEX single ply roofing. These can be freely downloaded from the Axter website, www.axter.co.uk and the NBS National BIM Library.

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Enquiry 45
Experience A New Look In Veneers With Vicaima Stained Doors

Real wood veneer, with its natural grain configuration is loved by all and adds beauty and sophistication to interiors the world over. Sometimes however, mother-nature needs a little help to stretch colour combinations and allow designers to explore new trends and original ideas for interior décor. Now with the new Vicaima stained veneer range all that and more is possible.

Available in 6 new and contemporary shades, Vicaima Stained doors combine a high performance stain finish with a real crown cut Ash veneer base. The tonal spectrum in this latest range includes everything from Pastel Cream to Deep Brown offering plenty of choice and is supplied with a lacquered finish to complete the look. Of course creating a room design need not end with the doors. Vicaima are also able to supply matching frames, architraves, wall panels and even skirting for a coordinated apartment, hotel or commercial project should the scheme demand.

Vicaima are innovation leaders when it comes to interior door design, constantly in-tune with changing trends, fashions and movements in the built environment, particularly in respect to interior design. Since their early introduction, Vicaima stained doors have proved increasingly popular, offering as they do Vicaima quality veneers with an enhanced stain finish that complements the natural properties of wood grain. Now the new Vicaima Stained range takes things to a higher level with even greater scope for tonal and grain combinations.

Vicaima Stained are made on a to order basis and are available in a full range of performance options including; FD30 and FD 60 Fire rated, Security; including SBD entrance doors. Constructed from the highest quality aluminium, Adeco’s comprehensive product portfolio includes modern, contemporary designs as well as more traditional styles. Adeco offers three panel types – mfrI, single sided leaf enclosing and double sided leaf enclosing, the latter providing the most popular and visually attractive versions. These are combined with purpose-designed Schuco profiles in frame depths that range from 65 mm to 90 mm depending upon the configuration that has been chosen.

For further details about Vicaima Stained visit the Vicaima website www.vicaima.com, alternatively call 01793 532333 for a copy of the new literature or face samples.

Reynears Launches Sleek SL 38 Series

Reynears’ unique aluminium window and door system CS 38 has benefited from an upgrade – and the new Slim Line 38 series offers better performance than ever before. SL 38 and SL 38-HI are now available and offer ultra slim profiles and improved market-leading energy efficiency. The highly thermally-insulated Slim Line 38 has the look and feel of steel with the performance of aluminium. It combines elegant design, stability and ease of production and is the perfect solution for new-build constructions and the replacement of steel-framed windows and doors. It respects the original design but offers a vast improvement on thermal insulation. A video featuring the new system is available at: www.reynears.co.uk

CRL Launch New Compact-X Sliding Door System

COMPACT-X is a NEW compact sliding solution from CRL for framesless glass panels, combining latest technology with an attractive minimalist design. The system is quick and easy to install with double soft close, and suitable for ceiling, glass, and wall mounted applications. COMPACT-X has the added advantage of being suitable for narrow door widths, a minimum of 835mm.

The COMPACT-X sliding door system offers reliability having been tested to 100,000 cycles in accordance with European performance standards EN1272 and EN1937. In addition, COMPACT-X offers the benefit of vertical adjustment to ease installation, plus the option to create Bi Parting doors by purchasing extra set of clamps.

COMPACT-X is available in Brushed Nickel and Satin Anodised finishes and is suitable for glass panels of 8mm, 8.76mm, 10mm, and 10.76mm in thickness and available in 2 and 3 metre kits, and 3 metre kit with a fixed panel option.

For further information regarding C.R. Laurence and or any other product from their extensive range, contact them on Freephone: 00 800 0421 6144, email crl@crlaurence.com, or refer to www.crlaurence.co.uk

TradeSmith Delivers The First PAS 24 Low-Threshold French Door Using Halo Profile

TradeSmith, a leading South East window, door and conservatory manufacturer and Halo Approved Fabricator has become one of the industry’s first companies to achieve the coveted PAS 24 security standard on a low-threshold French door. PAS 24 – a UK standard for door and window security performance – is only achievable by submitting products for certification with a UKAS-accredited testing house, and represents a significant and sustained effort from the manufacturer to reach the required levels of protection.

Expiry 49

Expiry 50

Expiry 47

Expiry 48

Expiry 51

Expiry 52

Expiry 53
Carbon Monoxide – And How A Window Could Help Save Your Life

It is the most common cause of poisonous death. You can’t see it. You can’t smell it. Yet it kills hundreds of people each year around the world. Carbon monoxide, or CO, is a deadly risk to health. It is also impossible to detect without the right equipment. No doubt you have heard news stories of people dying from carbon monoxide poisoning. You are probably aware that it has a lot to do with badly-maintained gas appliances.

Why is it so dangerous – and how can windows make a difference?

In this short article we take a look at some important facts about carbon monoxide, before talking about some Roto products that can be used to form part of a safeguarding policy.

What exactly is carbon monoxide?
Although it can occur naturally, in this context carbon monoxide is produced by the incomplete combustion of fossil fuels. Fuels such as gas, oil, or wood all contain carbon. Normally, when they are burned with a sufficient supply of oxygen, the carbon oxidises and becomes carbon dioxide (CO2). However, if there is insufficient oxygen, it is possible for the oxidation process to be incomplete and the result is carbon monoxide (CO).

Immediate ventilation
Therefore, you could have a system that not only sets off an alarm and warns you of carbon monoxide, but which also opens windows immediately in order to provide ventilation. The Roto E-Tec Drive is the ideal product for automated operation of Tilt&Turn and Tilt-Only windows.

Why is it so dangerous?
Carbon monoxide is highly poisonous to humans. When inhaled, it is absorbed into the blood much more readily than oxygen. From there, it bonds itself to the haemoglobin in the bloodstream. This has the effect of reducing the oxygen-carrying capacity of the blood. Carbon monoxide victims die of hypoxia: oxygen starvation. Exposure to less than fatal levels of CO can also cause permanent neurological damage.

Important things to check
There are a few basic checks you can make in the home from time to time to make sure there is no obvious cause of carbon monoxide or lack of ventilation:
Look for sooting or discolouration and around gas appliances, including boilers and water heaters;

Pilot lights and gas flames should burn blue. If yellow or orange, this is a sign of incomplete combustion and carbon monoxide may be being produced;

Make sure flues and chimneys are clear and don’t contain leaks;

Check that air vents in walls are not blocked.

Where do Roto products come into this?
It is highly recommended that you have a carbon monoxide detector in your home. There are many battery and mains-products devices on the market. Many are stand-alone devices that emit an alarm signal when CO is detected. However, it is also possible to have a detector wired into a ‘smart’ frame automation system. Roto’s electromechanical drive systems enable windows to be opened, closed and locked remotely. The drive units can be connected to a ‘smart’ system so that windows open or close in response to conditions, for example humidity, rain – or carbon monoxide.

The smart roof window
The new RotoComfort i8 roof window can also be connected to a smart automation system in exactly the same way. Featuring a completely concealed drive, the RotoComfort i8 opens significantly more quickly than conventional electric roof windows. With a maximum opening angle of 45 degrees, the window provides a good level of immediate ventilation.

Sika Plastix – The Complete Package For Window And Roofline Installers
Everbuild, a Sika Company, has launched Sika Plastix, a new brand of silicone sealants perfect for window, door and roofline installations.

Within the new brand is Sika® Plastix-22A Premium Grade, a high quality product. Providing excellent adhesion to most common substrates including plastic, glass, brick and wood, this product is ideal for glazing and roofline applications with the added advantage of having low-dirt pick up and anti-mould properties. Sika Plastix- 22A has excellent flexibility, tooling and weatherproofing properties. CE certified for glazing, façade, cold climate and sanitary applications this really is a premium product you can rely on.

Also within the range is Sika® Plastix-48N Contractors Grade, a great alternative product available in white, translucent and black with good flexibility and adhesion to all common window, door and roof substrates.

CE certified for façade, cold climate and sanitary applications this is a great lower cost alternative product you can have confidence in. To coincide with the range, a new Sika Plastix catalogue is available bringing all Sika and Everbuild glazing products together in one convenient location. www.everbuild.co.uk

Enquiry 53

New Banville External Door, Styled To Impress
The Banville is an elegant design and an option from the latest external door range recently launched by Premiori. Sleek, real American White Oak veneered faces encapsulate a premium, solid construction, ensuring all weather protection and maximum durability. Recommended for replacement and refurbishment projects, the clean lines of Banville present the very essence of modernity, positioned to enhance a more exclusive style of property.

The doors are available in solid, solid offset glazed and solid centre glazed, featuring obscure glazing, toughened in accordance with European Standard BS EN 12150.

Banville doors may be hung as singles or pairs, when pairing a solid door with a glazed option the aesthetic effect can add a new dimension. The full slab construction of the door utilises high moisture resistant MDF complete with hardwood lippings all round, providing maximum stability and excellent screw retention.

Banville comes with FSC Chain of custody accreditation and for ultimate design flexibility, is complemented by a matching range of internal doors.

www.premiori.co.uk

Enquiry 54
This fabulous kitchen – created by Urban Interior in East London and with surfaces by N1 based MKW Surfaces – uses Caesarstone’s Osprey (3141) throughout. The kitchen is a contemporary space that leads off a relaxed living area. With its dark wood, Scandi-style stools and drop pendant lighting, the kitchen has a retro-cool feel to it – and Osprey, one of Caesarstone’s most popular neutrals – works in perfect harmony with the space’s fitted, white Sieamatic cabinetry.

The kitchen is also strong on contrasting materials and Osprey’s delicately speckled, off-white aesthetic allows these – most notably a stunning, Filleto Grey limestone clad wall and a beautiful, walnut breakfast bar – to really shine. Metallics – three, copper pendants and yellow gold kitchen accessories – add warmth to the scheme and once again, Osprey ensures these pieces really ‘pop’. Sam Ealey of Urban Interior (London) says, “Caesarstone is my preferred choice out of all the quartz brands – largely because of the choice of colours and finishes that are available. The specification of Osprey was actually the client’s decision, but, given the look and feel of the scheme, I don’t think they could have made a better decision. It showcases the other materials beautifully, whilst also being highly practical.”

Sam continues, “In comparison to other surface materials – quartz and natural – Caesarstone is always superior. It’s extremely resistant to stains and scratches and clients tend to love it, as it’s just so easy to keep looking good.”

Sam’s views are shared by Maria at MKW in north London, who fabricated the surfaces. She says, “We use Caesarstone very regularly. We tend to work on high end projects and so naturally, a similarly high end surface brand is required; Caesarstone fulfils our requirements very well. Osprey was an excellent choice for this kitchen – it’s one of the best neutrals – and the slim, 20mm thickness of the surface contrasts beautifully with the chunky walnut that has been used.

“There’s no doubt that Caesarstone is one of the most professional quartz brands to work with – we always receive samples straightaway and in 10 years of using Caesarstone, I’m pleased to say we’ve never had any problems. From the fabricator’s point of view, it doesn’t get much better than that.”

www.caesarstone.co.uk
www.urbaninterior.co.uk
www.mkwsurfaces.co.uk
Aluprof Enhances Food Experiences At Broadgate

One of the newest food experiences in London can be found at Broadgate Circle near Liverpool Street Station. The venue offers a diverse collection of restaurants, cafes, bars, street food traders and a gym. The construction makes extensive use of natural limestone with aluminium windows and doors supplied by Aluprof and installed by Linder Facades. The result is a high quality development fit for the city.

Completed in early 2015, all aluminium profiles and pressings have been naturally anodised in C34 Bronze, which complements the natural limestone whilst offering a sustainable and very resilient finish.

Aluprof systems specified on the project included the MB-SR50N curtain wall system with its distinctive rounded profile design and the main entrance door system MB-86 with a hidden leaf assembly offering clean lines into the curtain wall system whilst maintaining heavy duty hardware with high security locking options.

Aluprof UK head office and extensive distribution centre is located in Altrincham, Cheshire. Aluprof systems increasingly being specified on a wide range of residential and commercial projects across the UK. Systems are designed, fabricated and installed by selected, specially trained companies, to ensure each fabricated product meets Aluprof exacting standards. Further information is available on our company’s website at www.aluprof.eu and specialist advice is available directly from Aluprof on 0161 941 4005.

Enquiry 57
The German premium manufacturer of firing technology Spartherm proudly presents an exclusive range of bioethanol fireplaces branded ebios-fire® which are now also made available for the discerning customer in Great Britain. Made And Tested In Germany - In order to provide an optimum of customer service, the expansive range of ebios-fire® models comprises both standard and made to measure built-in fireplace models in almost any thinkable layout.

Great versatility, product safety and outstanding German quality are key values at Spartherm’s production facilities where all ebios-fire® models are originally designed, crafted and tested by passionate, skilled craftsmen. Test certificates issued by TÜV Germany further underline the outstanding safety of ebios-fire® bioethanol fires, which feature a wide choice of manual and automatic bioethanol burners.

Versatility Is Key - The ebios-fire® range of products is available in a vast variety of finishes meeting the requirements of architects and interior designers on an international level. Please visit www.ebios-fire.com or write to info@ebios-fire.com for further information.


Enquiry 58

JIS Adds New Rye Tilting Rail To Sussex Range Of Heated Towel Rails

Taking bathroom elegance and comfort to a new level, JIS Europe Ltd., has launched a new offering under its Sussex Range of heated towel rails.

The Rye Tilting Rail has been designed to resemble a sleek, ultra modern ladder, leaning casually and lightly against the wall in a clever design twist. Indeed, the spaced out slats arrangement has negated the old problem of trying to force a plump, fluffy towel between the often too small gaps typical of competing brands while at the same time favouring the minimalist fashion favoured by many interior designers nowadays.

The Rye range of towel rails is available in three different heating formats: these being electric only, dual fuel and the ability to be utilized solely with central heating. The rails are also suitable for open plumbing systems. www.sussexrange.co.uk

Enquiry 59
Refurb Proves Best In Broomhead Flats Transformation

When Fife Council consulted residents at its Broomhead Flats in Dunfermline about the future of their homes, the options were pretty clear cut. The three 50-year-old blocks of flats had reached the point in their lifespan where they either needed significant investment to bring them up to the current Scottish Housing Quality Standard, or needed to be demolished and replaced with new build properties.

The result of the consultation with residents favoured refurbishment and, in May 2014, Fife Council’s Housing and Communities Committee gave the go-ahead for this project to begin. A key requirement of the project was to deliver refurbished homes to tenants which offer a higher level of protection against fuel poverty.

The multimillion pound improvement project has transformed 216 homes which are housed within the three 12-storey blocks. The key requirement, undertaken solely by CMS, was to bring the building fabric up to a much higher thermal standard, utilising product technology which was simply not available in the 1960s. And that primarily involved the £5.1 million CMS contract for the replacement of all windows between 1923 and 1929 although 37,715 square metres of curtain walling. The curtain walling specification required CMS to fabricate and install the superior quality Metal Technology System 17, fitted with low-e double glazed sealed units. The curtain walling replaces existing steel balustrades and steel screens in communal areas to raise the quality and visual appeal of both interiors and exteriors.

A third component to the structural elements was the replacement of balcony enclosures on every property. This was also a significant undertaking completed by CMS with more than 1,700m2 of enclosures across the three blocks. These balcony enclosures were created using Window System 1000 balcony enclosures featuring light glazing systems. The design of these enclosures allows tenants the freedom to use their balcony all year round. The upper part of the balcony system consists of sliding and folding glass whilst the lower part consists of slender powder-coated aluminium profiles.

More than 200 were installed by CMS. These feature in projecting balconies in six stacks per block extending from the ground to 12th floor. High storey components feature a balustrade section - internally glazed with opal laminated float safety glass. The sliding folding opening upper section with clear toughened glass folds inwards through 90°, with one front element and two side elements per enclosed balcony.

Completing the transformation of the building fabric, CMS was also contracted to over-clad the external walls with a mix of insulated render and render only, as required, using Rockwool solutions. This work was carried out by CMS installers using mast climbers for safe access and to ensure speedy delivery with minimum disruption. With total wall coverage of more than 11,000 square metres, this extensive over-cladding work will improve the insulation level of all walls to complement the performance of the windows, doors and curtain walling.

World Class Service From Crittall

Melbourne House is one of four buildings that comprise central London’s Alderschot Quarter, a 450,000 sq ft complex original built as offices that once housed the global headquarters of the BBC World Service. The four buildings provided John Robertson Architects with the largest refurbishment project in the centre of the capital in recent years. It was completed in 2014.

The buildings were originally designed between 1923 and 1929 although 37,715 sq ft Melbourne House underwent a major refurbishment in 1974 that involved some significant alterations including the removal of original subdivided windows and their substitution with unbricked, plain glassing.

This seriously compromised the external appearance of the building. The latest refurbishment, undertaken by main contractor ISG, involved a complete remodeling and re-configuring of the accommodation as well as the replacement of all windows between the second and eighth floors with new double-glazed operable Crittall Corporate W20 windows.

Project architect Liam O Grady from John Robertson Architects explains: “The design of the windows with glazing bars is in keeping with the original 1929 design and also complements the scale and detail of the original windows in the neighbouring buildings. Similar to its neighbours, the external frames are finished in black, whilst the internal frames are finished in white to ensure a bright neutral internal appearance.” The Black Frames, viewed from outside, however, provide a striking contrast with the white Portland stone facade which has been painstakingly cleaned to restore the building to its former glory.

Refurbishing an iconic building is always challenging and also very exciting. It is a privilege to have worked on such a prestigious project which is a definite benchmark for our work, says O Grady.

Opening The Door To A Bygone Era

At Fortnum & Mason

Boon Edam was delighted to be chosen as the main supplier for the bespoke entrance to the new ‘bygone era’ style restaurant at Fortnum & Mason in Brompton Road, London. The new restaurant, aptly named 45 Jermyn Street is the latest addition to the high-end department store which has been successfully running since 1707. Due to its old fashioned glamour and vintage beauty, the designers of this new restaurant wanted to create a lasting impression right from the start by incorporating an authentic looking entrance to this chic new eatery. Boon Edam were chosen by the restaurant designers to design, manufacture and install a traditional-style entry way which would also be fitting for the modern world.

The bespoke revolving door was entirely hand made out of timber with a power assisted drive and an additional collapsible door was added to allow for the passing of bulky items and larger items of luggage. This prestigious design was chosen by the designer for many reasons. Due to its prominent position in Piccadilly, London, the architects were tasked with creating a statement entrance piece which would also give a quintessential look and feel which would, in turn, blend in with the overall quintessentially English theme of the department store.

The revolving door was also a first choice option as a way of overcoming the great British weather of cold winds and wet weather! Typically, a revolving door can eliminate the amount of cold air that enters a building during its use and this is that of a more traditional swing door which lacks any control of draughts during cold spells.

The bespoke entrance to the new ‘bygone era’ style restaurant at Fortnum & Mason in Brompton Road, London. The new restaurant, aptly named 45 Jermyn Street is the latest addition to the high-end department store which has been successfully running since 1707. Due to its old fashioned glamour and vintage beauty, the designers of this new restaurant wanted to create a lasting impression right from the start by incorporating an authentic looking entrance to this chic new eatery. Boon Edam were chosen by the restaurant designers to design, manufacture and install a traditional-style entry way which would also be fitting for the modern world.

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Evolux Fills Up In Bristol

Filwood Green Business Park in Bristol capitalises on the latest innovations in sustainable building technology, including integrated photovoltaic panels, a green roof and a Timber Fin solar shading solution from Levolux. As the UK’s leading Solar Shading and Screening specialist, Levolux was approached at the design stage to develop a highly sustainable Solar Shading solution, comprising vertical and horizontal Timber Fins. A series of large vertical Timber Fins have been fitted to the south-east corner and east-facing elevation of the development. In total, 42 Timber Fins, each measuring 650mm wide by 100mm thick, extend 3.4 metres in height. Not only do the projecting vertical Fins provide effective shade to glazed openings, preventing excessive glare and solar heat gain, but they also create a striking architectural feature. On the south-facing elevation, Timber Fins have been fixed horizontally in a series of vertical stacks, set at a pitch of 250mm and angled at 10 degrees. The horizontal Timber Fins are smaller, with a width of 188mm and a thickness of 44mm. This allows them to be incorporated into several bays and into a large projecting screen, onto which signage has been fixed. Horizontal Fins are more effective on south-facing elevations, as the cut-off angle limits the exposure of glazed openings to direct sunlight, thereby preventing excessive solar heat gain from occurring. The effect of the Fins is most noticeable during the summer months, as the building’s interior remains naturally cool without relying on mechanical cooling systems. All Timber Fins are formed from PEFC Certified Thermowood, which is a lightweight, durable timber, requiring no application of a finish. Due to its naturally cool without relying on mechanical cooling systems. All Timber Fins are formed from PEFC Certified Thermowood, which is a lightweight, durable timber, requiring no application of a finish. Due to its production process it is also more stable than untreated softwood, such as Western Red Cedar, while over time it will adopt a silver-grey patina providing long-lasting good looks.  www.levolux.com

Enquiry 63

Stunning Round Bath In DuPont™ Corian® From CD UK

CD UK and solid surface specialist fabricator Solidity have used DuPont™ Corian® in an outstanding bespoke bathroom design for a private client in London. This stunning scheme by Kirsten Wain at West One Bathrooms has a round bath as its centrepiece, with walls seamlessly clad in feature colour panels. Unable to find what the customer wanted off the shelf, Kirsten contacted Solidity, to manufacture and install a bespoke solution. Installation was challenging as the bathroom was accessed via a spiral staircase, requiring the bath to be delivered in sections and constructed in situ. Impact lighting and sculptural shapes for the hand basin add to the scheme’s distinctiveness and both designer and customer were delighted with the finished project.

Kirsten Wain said: “Corian® has amazing versatility, making it exciting to work with for a designer. We were impressed with the technical capability of Solidity who were behind the creation of these beautiful shapes, which worked so well in the small space available.” www.cdabath.co.uk

Enquiry 64

ESG Help To Create The Perfect Penguin Viewing Experience

This summer saw Bournemouth Oceanarium open their new £1.6m penguin exhibit. This ambitious project is the largest expansion in the centre’s history and was over 5 years in planning. The build saw the size of the center increase by over a third with the centre piece of the new building, a penguin beach enclosure that allows visitors to get up close to the new Humboldt penguins on display.

The designers wanted to allow all visitors to the exhibit to have as clear a view as possible to the penguins on display, in particular the thousands of small children that pass through the center. Traditionally the walls of such an exhibit were made of a solid material meaning children had to be lifted to the top of the wall to see the display. The solution was to use toughened laminated glass balustrades to line the perimeter, allowing even the smallest visitors to clearly see the penguins on display.

When glazing contractors Beaumont Rose were deciding on the specification of glass, they knew that it had to be strong enough to prevent breakages that could injure visitors or the penguins on display, as well as being able to remain as free as possible from general scratches caused by the 250,000 plus annual visitors. ESG were happy to supply 21.5mm clear toughened laminated panels to fit into Beaumont Rose’s bottom rail fixings, as well as a notched and drilled panel to create a gate for the keepers to enter the enclosure.

Scott Sinden, Managing Director of ESG, said: “We are extremely pleased to have been chosen to supply our glass to yet another animal exhibit, it is a testament to the quality of our glass and its strength that we are supplying another job where these factors are paramount. We know the superb workmanship of Beaumont Rose will ensure that glass installation is keeping to the high standards the rest of the project has been finished to. www.esg.glass – 01376 520061 www.beaumontrose.co.uk – 0208 879 1056

Enquiry 65
Hauraton Drainage Systems At Vangarde Shopping Park, Monks Cross, York

The award winning Vangarde Shopping Park located a mile or so North East of the historic city centre of York opened for business in April 2014. The Park has over 31,527m² of retail and leisure space, including an 8,556m² John Lewis, a 9,300m² Marks & Spencer and a 2,790m² Next outlet. The Marks & Spencer store is one of the retailer’s greenest to date, with a 60,000 litre retaining tank for recycled rainwater, two green living walls, 600 solar panels - a first for Marks & Spencer.

With 1,340 free car parking spaces, extensive pedestrian and large service areas, the design of the surface water drainage scheme was a major consideration for main contractor, Caddick Limited. Over 1,700metres of Hauraton RECYFIX® drainage channel were eventually installed by ground workers Howard Civil Engineering Limited during the three month installation process.

1,500metres of RECYFIX® PLUS 150, 150 and 200 channels fitted with Class D400 ductile iron HEELSAFE gratings secured with bar and bolt locking were used in the main car park areas. The size installed depended on the areas to be drained – for example, the larger sized channels were installed in the 80metre runs so fewer outlets were needed. The paved pedestrian areas were drained with over 200 metres of RECYFIX® PRO 100 drainage channels fitted with Hauraton’s FIBRETEC® gratings. The material PA-GF, used to make the FIBRETEC® grating, was especially developed by PA-GF, a company founded in 1982 in Denmark. The surface finish that retains its black colour. The FIBRETEC® C250 HEELSAFE grating was specifically designed by Hauraton R & D engineers to enhance stability and huge strength for its weight.

As well as providing an elegant appearance, the feature ensures surface water is directed into the slots. This configuration also helps eliminate any cross-flow over the grating. The RECYFIX® PRO and PLUS channel component is made from tough, 100% recycled Polypropylene – Polyethylene (PP-PE). The channels arrive on site with the gratings factory fitted. www.drainage-projects.co.uk

Enquiry 66

The Perfect Interior For Preservation

The recently completed Herefordshire Archive and Records Centre for Herefordshire Council is a 3,350sqm scheme comprising a concrete repository over three floors and two-storey timber framed building housing offices, public search rooms and education facilities. It incorporates clever architectural design and building construction technology together with high performance materials.

The facility includes Trolldtekt acoustic tiles, made with 100% natural wood fibres. They are manufactured using 100% natural wood fibres and their benefits include high sound absorption, high durability, natural breathability, low cost life cycle performance and sustainability. Trolldtekt sustainability has also been recognised with certification at Silver level within the Cradle to Cradle concept and earns gold on 4 out of 5 criteria in the Cradle to Cradle certification version 3.1. www.trolldtekt.co.uk

Enquiry 67

Howe Green Access Covers Take Off At Stansted

As part of the multi-million pound, airport-wide transformation of London Stansted, construction leaders Carillion and Galliford Try both selected Howe Green’s floor access covers to provide reliable access to essential under-floor services.

Over 250 bespoke panels and frames were supplied for Stansted’s new Satellite One and Departure Hall refurbishment, in two separate phases of works. UK manufacturer Howe Green adapted their Stainless Steel 250 and 500 Series floor access covers to custom depths and incorporated an additional steel baseplate to accommodate the specific site conditions and meet the required loading. As well as single covers, the company’s innovative multi-part covers were also used. A series of panels set into one larger frame, they grant simple access to complex junctions of service utilities.

Howe Green’s high quality access covers provide easy access to vital underground services, ensuring that any maintenance be required, access is straightforward and will not require the costly, time consuming and disruptive removal of paving slabs or flooring. The panels are also designed to fit perfectly flush with their surround to avoid distortion and prevent any slips or trips, essential for heavily trafficked buildings such as London Stansted, the UK’s fastest growing airport. Visit www.howegreen.co.uk.

Enquiry 68
Pendock Facilitates Fast-Track Toilet Refurbishment For Virgin Trains At Wolverhampton Station

The UK’s rail franchise companies always strive to ensure the travelling public do not suffer undue delays as a result of any work on the network – an ethos reflected during a demanding refurbishment project carried out within one of the Midland’s busiest stations where Pendock, the specialist encasement manufacturer, was the chosen supplier for high quality panels and partitions.

The project focused on the existing male and female facilities located alongside Platform 1 at Wolverhampton Station, which is operated by Virgin Trains and just as for the company’s sleek, torpedo shaped carriages, Pendock’s Ultimate Range of cubicles were chosen which not only offer extremely robust surfaces, but are fabricated with integral safety hinges mounted to the pilasters to give additional safety and security. www.pendock.co.uk

The full height aluminium floor to ceiling posts for the three facilities located alongside Platform 1 at Wolverhampton Station, which is operated by Virgin Trains and just as for the company’s sleek, torpedo shaped carriages, Pendock’s Ultimate Range of cubicles were chosen which not only offer extremely robust surfaces, but are fabricated with integral safety hinges mounted to the pilasters to give additional safety and security. www.pendock.co.uk

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VM25INC For £250m Cardiff Bay Development

Cardiff Pointe, a £250m residential project in Cardiff Bay has seen VM25INC® used throughout Phases 1 and 2. Scott Brownrigg’s design specified standing seam facades and roofs in dark charcoal ANTHRA-ZINC® for homes which stand on the peninsula adjacent to Cardiff Yacht Club and opposite the International Sports Village.

Two 24 and 18 towered stonys on the north of the site cantilever out over the water to provide added focus for the colour’s visual aesthetics. The matt black appearance and visible grain structure of pre-weathered ANTHRA-ZINC is distinctive of the metal and produced by modifying the surface’s crystalline structure. www.vm25inc.co.uk

Enquiry 71

A Cool Solution From SE Controls For Sydney’s Netball Central

Netball Central, Sydney Olympic Park’s state of the art netball complex, is using a natural ventilation solution from SE Controls, Australian systems partner Unique Window Services (UWS), to deliver precise, energy efficient control over indoor air quality and temperature at the centre.

The natural ventilation system uses four compact SE Controls NVLogiQ zone controllers, which constantly monitor a range of indoor air quality parameters, including carbon dioxide (CO2), temperature and humidity to maintain a comfortable environment for teams and spectators.

Air quality in each of four zones in the centre’s upper and lower levels are monitored by the NVLogiQ units and if it exceeds any of the pre-defined environment set-point limits the controllers trigger the automatic opening of high and low level louvres to provide ventilation or cooling.

In normal operation, the principle of thermal stacking is used with warm stale air being vented through the high level vents, which has the effect of drawing cooler and fresher replacement air into the building via the low level louvres.

In addition to the NVLogiQ controllers, 10 dedicated SE Controls PSUs were also installed as part of the system, which ensure each louvre responds precisely to the signals received from the controller and provides the correct level of ventilation. The system is also configured to provide night purge cooling at the end of each day, which not only helps reduce the internal temperature, but by fully opening the vents, it also ensures that stratified air is removed along with any airborne pollutants that have built up during the day. www.secontrols.com

Enquiry 76

Warm Reception For Comar At College

Comar Architectural Aluminium Systems

kept a striking and memorable new entrance and reception area at the Ashton 6th Form College. This entrance features a series of dramatic fins showcasing the point of arrival and bringing together the old and the new architecture, creating a dynamic and naturally lit space. Comar EEF stick build curtain wailing was specified. It provides a capped curtain wailing solution and offers architects the opportunity to maximise large glazed areas as it has the slimline sightings available making it the perfect choice for the quirky glazed facade of this new reception and entrance. www.comar-uk.co.uk

Enquiry 72

Global Logistics Leader Specifies Hydraulic Dock Levellers From Stertil

Specialist loading bay equipment and industrial door manufacturer Stertil Dock & Door Products has installed a series of 11 hydraulic dock levellers for a worldwide logistics company. As part of an upgrade to the site, it was decided to replace 11 outdated levellers with an installation of Stertil XP 2521 hydraulic dock levellers.

Although the original dock levellers had been installed by another supplier around 15 years ago, when the site was built, they have been maintained for many years by Stertil Dock Products as part of an ongoing maintenance contract. The success of this relationship was a major factor in Stertil being approached to tender for the replacement levellers.

www.stertil.co.uk

Enquiry 73

Keeping The Exhibits Safe At The National Civil War Centre In Newark

Built in 1529 by prominent local resident Thomas Magnus, this magnificent Tudor Hall was built to be used as a free school. The buildings had been in constant use, first as a school until 1910, then as a museum until 2004 when it fell into disuse.

Newark and Sherwood District Council was awarded Heritage Lottery Funding to restore the Old Magnus Buildings into a new museum and National Civil War Centre.

Home to historical artefacts and graffiti dating back to early 1600s, security was of high importance when considering the buildings restoration.

Selectaglaze helped create a solution to protect the vulnerable window openings. Secondary glazing is the ideal solution for Listed buildings even when high security is required as it offers performance in a fully reversible adaptation which is accepted by most heritage bodies.

Selectaglaze treated 45 window openings with 6 different product styles in four different colours. Varying levels of security were provided, using products certified to Loss Prevention standard LPS 1175 level SR3 and those meeting the security standards of PAS24, all accredited to Secured by Design. Selectaglaze is the leading specialist of secondary glazing. Established in 1996, and Royal Warrant Holders since 2004 it has extensive experience and knowledge of working with all building types. For further information, contact Selectaglaze on 01727 837271 or email: enquiries@selectaglaze.co.uk or visit www.selectaglaze.co.uk

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Vandersanden Supplies Bricks For London’s Hallsville Quarter

Belgian brick and pavers manufacturer, Vandersanden Group, has supplied the facing bricks used to construct phase one of London’s Hallsville Quarter in East London. For the initial phase of this significant project, 420,000 Drayton cream, crease textured, unicoloured soft yellow bricks were used for the external walls of the development.

Hallsville Quarter is a key part of Newham Council’s £3.7 billion Canning Town and Custom House Regeneration Programme. Set to be completed over five phases, Hallsville Quarter is one of London’s largest regeneration schemes including 1,100 reed tenure housing units and more than 323,000 sq ft of leisure and retail space. The initial phase, which is now finished, included the creation of 179 residential units and a Morrisons supermarket.

Marco Solberg, Vandersanden Export Area Manager commented; “This is a major and prestigious job and we are proud to be a part of it. The design and build nature of the construction meant that we had to devise a solution for the walls that suited every purpose in a number of different locations, and the Drayton Cream bricks were the ideal choice. We also had the added advantage of being able to supply the bricks immediately via our exclusive UK distributor, Hoskins Brick. We know many UK brick manufacturers have been struggling to fulfil orders whereas we have stock available. With 2 production sites in Belgium and 2 in the Netherlands, Vandersanden has become one of the largest brick-producing businesses in Europe and we have the ability to upscale production as needed.”

The development is being built by Bouygues UK in partnership with One Housing Group, Mountain Capital and Morrisons. For further information about the Vandersanden Group please visit the company website www.vandersanden-group.co.uk For specific information regarding the company’s sustainable products and environmental philosophy, please visit the following video https://www.youtube.com/watch?v=CJggVUoEtXw.

Enquiry 75

Marmox Soundboard Brings Harmony To New Neighbours In Kensington Apartment Building

The excellent acoustic insulation properties of Soundboard, manufactured by Marmox, has restored peace and quiet in an exclusive West London apartment building, where two flats were being knocked into one. The refurbishment and integration of the adjoining dwellings has been carried out by main contractor, LDB Construction.

LDB identified the Marmox SoundBoard as an ideal panel to use in overlaying the concrete subfloor, prior to installing electric underfloor heating cells. Soundboard of two both acoustic and Thermal insulation properties and helps prevent damage to cabling.

This build up was then covered with high quality timber flooring in some rooms while marble tiles featured in the rest. All of the Soundboard panels measure 600 x 1250 mm, while the two different board thicknesses were used to address a step in the floor height between the adjacent apartments, which had to be brought level when the spaces were linked.

The 8.0 and 12.0 mm thick versions of the boards weigh 1.8 and 1.95 kg respectively while they offer a minimum 17 dB sound reduction and can be specified as part of the Robust Detail, Appendix D solution to impact sound transmission. They are readily cut or shaped with a knife to fit any room layout and in addition to their acoustic performance, SoundBoards provide thermal insulation figures of 0.35 or 0.39 W/m²K, for the two different thicknesses. www.marmox.co.uk

Enquiry 76

New Light On Waste Recycling

Mid-Sussex District Council has opened a new state-of-the-art refuse and recycling depot at Haywards Heath. Designed by Milan Babic Architects, its crisp simplicity is a dramatic example of the Kalwall translucent cladding system in action. Replacing an existing 50 year-old depot, the new building is designed to be more environmentally friendly. The project boasts a number of new technologies to reduce running costs and the carbon footprint including photovoltaic cells and rainwater collection tanks. It also benefits from the use of highly insulating Kalwall cladding which helps to reduce both energy consumption and heat loss by diffusing natural daylight across the interior.

Unlike conventional glazing, Kalwall eliminates shadows and glare and the stark contrasts of light and shade. The system also enhances simplicity by eliminating the need for blinds, curtains or solar control. Even on cloudy days, the offices are bathed with natural daylight, both from the cladding and the roof above the workshop which means less artificial lighting.

Kalwall is distributed in England, Wales and Northern Ireland by Structural UK, a leading supplier, fabricator and installer of glass curtain walling, rainscreens, glass atria, windows and other architectural glass building products. www.structura-uk.com/kalwall

Enquiry 76
Mapei UK Helps The Refurbishment Of Monaghan Shopping Centre

A complete system of Mapei products has been installed in the Monaghan Shopping Centre, North East of Ireland. Mapei’s Ultratop Renovation Screed, Epopet, Eporip, Planicrete and Topcem, the Mapei Ultratop Plus and Mapei-AC provided a series of systems to prepare the substrate, refurbish the existing floor and install Pamesa Ikom ADZ tiles.

The first system of Mapei products specified was to replace areas of screed. This involved the removal of large cracks in the existing floor and residual adhesive from all the existing tiles, decorative flooring and residual adhesive. The products were supplied and installed by Amaltile, and included three main systems of Mapei products being used to repair the substrate and install new tiling on the 1,400m² of retail and leisure space. When the existing tiles, decorative flooring and residual adhesive were removed large cracks in the screed were exposed.

The first system of Mapei products specified was to replace areas of screed. This system of repair included Epopet, Eporip, Planicrete and Topcem. Cracks in the existing screed were repaired using Epopet and Eporip. In several sections of the project a screed containing the Mapei Topcem binder was installed to repair the substrate using Planicrete to bond the new screed to the existing screed and concrete substrate.

The second system of Mapei products installed was used to smooth the total area to a tolerance of SR1 for the installation of large format porcelain tiles. The screed was primed with Epo Prim T then, where needed, levelled with Ultratop Renovation Screed levelling compound.

The third system of Mapei products was used to complete the installation of the Pamesa Ham IADZ tiles. Around 1,400m² of 600x600mm tiles were installed in ‘bays’ using Mapei’s Kerapack rapid setting flexible tile adhesive and Mapei’s Ultratop Plus grey flexible grout with BioBlock® technology.

Mapetrox, an anti-fracture membrane, which protects tiled surfaces from substrate stresses was fixed using a combination of Mapei’s high performance, flexible, S1, rapid setting Kerapack adhesive incorporating Latex Plus, an admixture that provides elasticity and improves the deformability of the adhesive. This combination of Kerapack adhesive and Latex Plus admixture was continued to install the tiles throughout the centre.

Mapei’s flexible, versatile, multi-purpose grout Ultracolor Plus and their solvent-free, mould resistant silicone sealant Mapesil AC was used to enhance the overall aesthetics of the new facilities. The project took nine months in total to complete. For more information on this project, training days, or any Mapei products, please visit www.mapei.co.uk or tel. +39 (0)121 508 6970.

Enquiry 78

Mapei was asked by Ostick and Williams Architects Belfast to provide a system of products for the refurbishment of the shopping centre due to movement in the substrate resulting in cracking and distortion of the existing porcelain tiles.

The products were supplied and installed by Amaltile, and included three main systems of Mapei products being used to repair the substrate and install new tiling on the 1,400m² of retail and leisure space. When all the existing tiles, decorative flooring and residual adhesive was removed large cracks in the screen were exposed.

Full Opening Jet Cox Barrel Vaults Enlighten Wandsworth Primary Pupils

In harmony with the Department for Education’s desire for schools to offer a healthy and sustainable environment in which to learn and thrive, the gymnasium to a brand new school, the Floreat Primary School in the London Borough of Wandsworth, has been constructed with five fully opening rooflights from Jet Cox Limited, offering natural illumination and ventilation.

Jet Cox supplied the five barrel vault rooflights as a prime example of its widely specified Coxdome range. The opening upstands to the five rooflights have been weathered into a high performance felt system covering the well-insulated flat roof construction.

In turn the multiwall polycarbonate make up to the rooflights glazing offers performance to comply with current Part L requirements and help retain the heat within the gymnasium during colder winter months. Meanwhile their contribution to the overall energy equation is dependent on the extent to which their high level of daylight transmission avoids the need for the use of artificial illumination, while their delivery of fresh air to the occupied space precludes the need of mechanical ventilation.

www.jet-cox.co.uk

Enquiry 79

Altro Creates ‘Wow’ Factor At New Birthing Unit

A wide range of Altro flooring and walling has been used to create a homely atmosphere with a ‘wow’ factor in a new birthing unit at Worcestershire Royal Hospital. The Meadow Birth Centre is a former antenatal ward and maternity triage which has been converted into four en-suite birthing rooms named Toppo, Cornflower, Daisy and Violet. A selection of Altro Flooring and Altro Whiterock hygienic wall cladding was used to fulfil the hospital’s design requirements to combine original and striking aesthetics with practicalities.

Altro Whiterock Chameleon™ wall cladding was chosen to add stunning, bright blocks of high gloss colour in birthing rooms, corridors, kitchens and en-suite bathrooms. These bursts of colour were used alongside Altro Whiterock White to create unusual and striking designs. Altro Whiterock is a cost-effective sheet extruded from a high quality PVCu polymer. It is easy to clean, impact resistant and grout-free. Altro Whiterock Chameleon offers vibrant solid colours, or more natural tones, in a high gloss finish, allowing for bold designs or more muted interiors in a variety of customer-facing environments.

Safety flooring was a must for the birthing unit, and Altro Aquaria™ – a specialist solution developed specifically for use in wet and dry areas, for shoe and barefoot use - was ideal for this environment which sees midwives, other staff and visitors plus mothers in and out of birthing pools with bare feet. Altro Aquaria™ is an innovative flooring suitable for any type of shoe, including hard and soft soled, rubber and trainers, as well as bare feet. Altro Zodiac™ Smooth Flooring was used in the unit’s corridors. It features tonal neutrals that work together, as well as vibrant, on-trend colours, many of which combine well with Altro’s wall cladding range palettes. The non-directional design contributes to ease of installation. It is easy to maintain and can be welded to provide a hygienic surface.

www.altro.co.uk

Enquiry 80

Altro Whiterock Chameleon™

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www.altro.co.uk

Enquiry 80

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www.altro.co.uk

Enquiry 80
Fila Surface Solutions Chosen For New Service Station Model

A Fila surface care regime has been chosen to clean and protect decorative Mapei cementitious flooring at a groundbreaking new service station model in Gloucestershire. The project, on the M5’s southbound carriageway, follows an earlier Fila specification at the sister-site on the M5 North. Delivered by AFL Architects, the service stations focus on local suppliers and green design, providing a ‘foothold’ destination in a stunning, sustainable environment. The iconic building nestles under a grass roof and sits within a rustic, landscaped setting. Natural, locally-sourced materials feature throughout and include Cotswold stone cladding and exposed internal timber beams. The Mapei Ultratop floor flows throughout the main building and adjacent petrol station, creating an anachronistic toned stone-like surface.

All flooring works, including the application of FILAFOB sealant and eco-award winning Fila Cleaner – were carried out by Polished Concrete Designs, for Buckingham Group Contracting Ltd. Part of Fila’s Protection Range, FILAFOB protects against stains without forming a seal or altering appearance. It is ideal for concrete and unpolished stone – inside and outdoors – and is certified foodsafe. Fila Cleaner is a pH-neutral detergent from Fila’s award-winning Green Line. The concentrated formula leaves no residue and it can be used at various dilutions to maintain and deep clean all natural surfaces. www.fillasolutions.com

Enquiry 82

Impressive New Glassolutions Look For Rochdale Interchange

A recently opened landmark transport interchange in Rochdale which features extensive structural glazing by GLASSOLUTIONS has caught the attention of the industry’s leaders by picking up a string of awards in recognition for its architectural and engineering excellence. Glazing for the internal and external facades and shop frontages for the Rochdale Transport Interchange was designed by GLASSOLUTIONS to create a frameless, glass-to-glass appearance and achieve visual consistency across the project.

GLASSOLUTIONS was brought in at the planning stages of the £11.5m project. They introduced Wichiza, who put forward the WICTEC 50SG option, based on one single system and common components, tooling and processes to simplify specification and reduce time and costs in fabrication and installation.

The outer glass was 6mm SGG PARSOL® grey body tinted toughened safety glass, which provides essential solar control and an aesthetic benefit. The cavity was 200mm wide filled with Wichiza 5G toggle insert. Inner glass was 9.5mm SGG STADIP PROTECT® clear laminated safety glass. The project was funded jointly by the Department for Transport, Transport for Greater Manchester and Rochdale Borough Council.

The building was designed to be highly transparent, with an enclosed single concourse creating a dramatic cornerstone feature to the town for visitors and daily users. The project has successfully delivered an enhanced experience for users, with exceptional passenger facilities, and is one of Europe’s first hydroelectric powered transport interchanges.

It has since been recognised with the award for Lancashire Regional Project of the Year at the North West Regional Construction Awards, and the award for Best Medium Project at the North West Structural Awards, organised by the Institution of Structural Engineers. The project was also shortlisted in two categories in the RICS North West Awards and for an LABC Constructing Excellence Regional Award. www.glassolutions.co.uk

Enquiry 83

Ommie Ground Source Heat Pumps Serve Six Bathroom Rural Redevelopment

The redevelopment of a former lock keeper’s cottage in Somerset, being replaced by a 850 square metre spacious modern family home, is making use of two ground source heat pumps from Omnii to provide not just space heating, but also hot water for the property’s six bathrooms, kitchen and utility.

The site isn’t connected to mains gas and the heat pumps provide a cost effective way to provide low temperature heating without having to bring in mains gas or rely on fossil fuels or high temperature heat sources. The design of the building is very contemporary and offers large open plan areas which is ideally suited for LTH and low temperature heating.

Because of the properties size and building form and high specification of insulation, glazing the heating loads are low and therefore suited for efficient heat pump design operating at 35-40 degrees’ flow temperature.

This is further enhanced by a PV array, which provides electricity to the heat pump operation storing the energy in the large buffer and hot water cylinder. The architect has made good provision for a large plant room and service access to different parts of the building, this is key to integration of good heating systems, which the clients are very impressed with. With five bedrooms and six bathrooms, demand for hot water is potentially high and the pair of Omnii SWC 140S ground source heat pumps are suitably sized to meet the heating and hot water loads, harvesting free warmth from pipe runs laid across an adjoining field. www.omnii.co.uk

Enquiry 81

Harvesting Free Energy From Ground Source Heat Pumps

Ground source heat pumps are a viable and sustainable renewable energy source. They are able to provide a cost-effective alternative to fossil fuel based heating systems. Ground source heat pumps (GSHPs) take heat from the ground, in the form of ground water, or from the air, and can provide low cost heating and cooling to homes and commercial buildings.

Ground source heat pumps work on a seasonal cycle, which means they can provide heating or cooling when it is needed. They are efficiently designed to work with traditional radiators or underfloor heating. GSHPs can provide hot water for use in homes, as well as a source of heating for businesses and public buildings.

Enquiry 80

Sustainable Renovation of Heritage Assets

The refurbishment of a historic building, previously occupied by a brewery, in the heart of a small town has been completed. The building has been transformed from a disused industrial site to a modern office space.

The heritage asset was carefully restored to its original condition with attention paid to preserving the historical elements of the building. The exterior was treated with a sympathetic mix of materials that complement the existing architecture.

Inside, the building was updated with modern amenities while still retaining some of its original features. The space is now a bright and airy environment

Enquiry 84

At:work
A Culinary Masterpiece

A spacious, light-filled kitchen with fabulous views over the Cleveland Hills is the focus of this inspirational case study. Designed by Heidi Westcar at Culinary Architecture as part of a year-long, extensive property renovation, the kitchen, its open-plan seating areas and boot room all use Misty Carrara (4141) throughout, which was supplied and fabricated by Dales of Thirsk.

The centrepiece of the home’s stunning kitchen – which was relocated from one side of the manor house to the other in order to maximise a southern aspect – is a vast, L-shaped island. A bespoke build, Misty Carrara’s delicate colouring sets off the island’s striking dark Aubergine finish perfectly. Two undermounted sinks have been set into the island – one in Belfast style and one is a smaller, handily placed, prep sink.

Heidi Westcar says, ‘My client wanted an elegant, bright and light-filled kitchen space; the emphasis was very much on space and maximising the light and views. As such, we first implemented some very significant structural changes, which included extending the length of the room, adding a lantern roof and no less than 7 sets of beautiful French doors. The client was keen to avoid an overly “kitcheny kitchen” and also wanted to achieve an easy movement between the core of the kitchen and the informal seating areas, which we created by opening up the rooms internally. Specifying Caesarstone for the kitchen and beyond was just one of the ways we realised this – using it for the island, but also for the run of surfaces throughout the wider space and into the boot room meant that a beautiful sense of fluidity was achieved.’

One of Caesarstone’s best-selling Classico colours, Misty Carrara has the ability to enhance a wide range of schemes and looks good with hand-painted cabinetry as it does with natural wood. www.caesarstone.co.uk

Enquiry 84

Sika Trocal Provides Peak Performance At Grand Designs RIBA House Of The Year Shortlisted Project

At a new-build home, shortlisted for the Grand Designs RIBA House of the Year awards, the high quality application of 200m² of Sika Trocal Type 5 waterproofing membrane has helped to provide a watertight finish for a complex roof system featuring seven pyramids and a vaulted rooftop lantern design, the specification of Trocal Metal helped to reduce membrane overlaps and provide a neat finish around the edges. Each triangular section of the roof relied upon precise use of Trocal discs to ensure a uniform spacing pattern, this was key to help achieve a smooth and even finish across the entire roof surface. The Trocal discs not only reduced the need for bespoke metal cutting but also ensured that each board had to be hand fitted onto the roof before being cut to size and fixed individually.

To further complicate the installation, all gutters fell at different angles so each section of Trocal Metal was ordered and numbered to ensure it was used for the correct slope. All gutter metals required fixing in a particular method to ensure a slight fall for drainage. Upon completion of the pyramid base detail, the correct colour membrane was laid with matching straps and corners. To ensure straight lines, the membrane was lapped over or under depending on which face of the pyramid was being covered.

A specialist team of up to three applicators worked on the complex residential project over a period of five weeks – ensuring the new-build project was completed on time and to the satisfaction of both the architect and client. www.sikatrocal.co.uk

Enquiry 86

Timbmet: Recent Projects Prove Growing Demand For Engineered Timber

Growing demand for engineered timber products continues to generate new sales opportunities for suppliers, says Timbmet. In recent projects, two Yorkshire-based Timbmet customers – Biker Group (photo, top left) and Patchett Homes (photo, bottom left) – demonstrate the accelerating trend towards engineered timber and the growing popularity of Timbmet’s engineered timber portfolio. Engineered timber provides improved strength, performance, sustainability and durability, whilst maintaining the appearance and appeal of solid timber.

Timbmet has an ongoing contract to supply timber door and window parts for North Yorkshire-based Biker Group’s various new build and conservation projects. Last year Yorkshire-based Biker Group’s various new build and conservation projects. Last year

Biker carried out a sizable prestigious project for Tennants Auctioneers in Leyburn with Red Grandis TEC and Red Grandis sawn timber supplied in various sizes and shapes for the many doors and windows involved. Red Grandis, which is exclusive to Timbmet, is a 100% FSC® certified, EUTR-compliant plantation grown hardwood. A clear, uniform timber with excellent workability, it can be easily stained or painted, whilst its versatility provides improved stability, strength, performance, sustainability and durability, whilst maintaining the appearance and appeal of solid timber.

Patchett Homes also an engineered timber convert for Patchett Homes, its many self-build projects and conservation contracts require a variety of joinery applications. The company, which is now using more hardwood than softwood as well as more engineered timber products, has opted for Red Grandis instead of Utile or Sapele, and is adding value to its business as a result.

In addition to the quality of the Red Grandis species itself, it is the protective Grandis Oak Stain, exclusive to Teknos, which provides the finishing touch, allowing the look of oak at a fraction of the cost. The Timbmet - Teknos partnership not only delivers a rich oak appearance: it also protects against weathering. UV degradation, mould and fungal attack. Fully water-based, this finish reduces harmful emissions and disposal issues, and ensures rapid application and fast drying to minimise labour time and costs. www.timbmet.com

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When the stone is released from its formal limitations, the artist can challenge his imagination to achieve unexpected results. That’s how the HEAD project was born. A sculpture designed to defy the rules.