



HbD

Housebuilder & Developer

February 2016

**UK registrations hit
eight-year high**

**HBF report shows increased
home building has created
over 100,000 new jobs**

**McCarthy & Stone report suggests
retirees are a 'Generation Stuck'**

Features in this issue

Bathrooms & Wetrooms
Floors & Floor Coverings
Landscaping & External Finishes
Roofing
Timber & Joinery

Show preview

Ecobuild

Supplement

Heating & Renewable Energy

**Plus the latest
news, events and
products**

www.hbdonline.co.uk





the **underfloor heating** store



affordable luxury for your dream home!



✓ UNDERFLOOR HEATING

✓ EASY TO INSTALL KITS

✓ INSULATION BOARDS

✓ ADHESIVES & LEVELLERS

✓ THERMOSTATS

✓ WET ROOM KITS

...it's what's underneath that counts!

prowarm™

ELECTRIC UNDERFLOOR
HEATING



from
£84.99
INC VAT

prowarm™

WATER UNDERFLOOR
HEATING



from
£409.99
INC VAT

Polypipe

WATER UNDERFLOOR
HEATING



from
£436.99
INC VAT

£✓ Price Match Promise 'if you find the same product cheaper elsewhere online, we'll match the price!'

**%✓ GET GREAT
DISCOUNTS**

Enter this code at checkout
HBDISCOUNT

Reader
Enquiry
401

www.theunderfloorheatingstore.com

The smarter way to heat your home!

0844 800 3396



**FREE NEXT DAY
DELIVERY**

Contents February 2016

HbD



37

Talking tiles

Martin Currell, sales director at Domus Residential, discusses the benefits of using tiles in a bathroom, the options available and the trends for 2016



58

Improve the build quality with glue-less flooring

Remedial work can be dramatically reduced if housebuilders opt for loose-lay rather than glued flooring, says Garry Martin, sales manager Private Sector Housing, Gerflor Limited



65

With flooding becoming more frequent, why doesn't the government act?

As our country's skyline continues to change and flooding remains a real risk, Andrew Gill, marketing manager at Brett Landscaping, asks is it right to make the installation of SuDs a choice rather than a prerequisite?



72

Repairs, refurbishment and water ingress by the sea

Stuart Hicks, from cold liquid-applied wet-on-wet waterproofing specialist, Kemper System, discusses the problems caused by a failed waterproofing system at a luxury residential development near Brighton and outlines the project undertaken to replace it



77

Timber cladding secrets explained

Timber cladding has boomed in recent years. However, as early installations now mature it's time to reflect on what has and hasn't worked. Tom Barnes of Vastern Timber reflects on the ways to ensure cladding installed today looks good and performs for years to come

HEADLINES

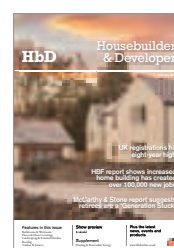
- 7 London Help to Buy opens its doors
- 9 Ministers call on construction industry to invest and build home grown talent

ALSO IN THIS ISSUE...

Industry news	4 - 25
Events	8
Industry Movers	21
Ecobuild Show Preview	29 - 30
Editor's Focus	70
Heating and Renewable Energy Supplement	43 - 52

PRODUCTS

Appointments & News	25 - 27
Bathrooms & Wetrooms	35 - 41
Bricks, Blocks & Cement	40
Building Products	34 - 42
Doors, Windows & Conservatories	53 - 56
Ecobuild Show Preview	26 - 35
Finance & Insurance	54 - 57
Floors & Floor Coverings	57 - 62
Glass & Glazing	63
Groundworks & Sewage Treatment	62
Insulation	63
Kitchens & Appliances	63
Landscaping & External Finishes	63 - 68
Rainwater & Greywater Products	68 - 69
Roofing	71 - 74
Smoke & Fire Protection	74
Stairs, Balustrades & Balconies	75
Stonework & Masonry	75
Timber & Joinery	75 - 81
Classified & Directory	82 - 83



St Andrew's Grange
© Waterstone Homes

HbDnetMAG
media

Publisher:
Lesley Mayo

News Editor:
David Mote

Editorial &
Production Assistants:
Rosanne Field
Olivia Knight-Butler
Jack Wooler

Senior Sales Executives:
Nathan Hunt
Sheehan Moir-Edmonds

Sales Executives:
Suzanne Easter
Kim Friend

Circulation/Reader
Enquiry Service:
Jane Spice

Managing Director:
Simon Reed

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

Advertising &
administration
Tel: 01435 863500
Fax: 01435 863897
info@netmagmedia.eu
www.hbdonline.co.uk

Editorial features
Tel: 01435 863500
Fax: 01435 863897
lesley@netmagmedia.eu

Press Releases
editorial@netmagmedia.eu

The manufacturer of the paper used within our publication is a Chain-of-Custody certified supplier operating within environmental systems certified to both ISO 14001 and EMAS in order to ensure sustainable production.

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

All rights reserved

No part of this publication may be reproduced or transmitted in any form or by any means, electronic, mechanical, including photocopying, recording or stored in any information retrieval system without the express prior written consent of the publisher. Although every effort is made to ensure the accuracy and reliability of material published in Housebuilder & Developer, the publisher can accept no responsibility for the claims or opinions made by contributors, manufacturers or advertisers. Editorial contributors to this journal may have made a payment towards the reproduction costs of material used to illustrate their products.

Printed in England



David Mote,
Housebuilder
& Developer
news editor

Editor's comment

With the government encouraging the creation of thousands of affordable homes around the country for first-time buyers, some housing industry leaders are concerned that the needs of older homeowners are being, at best marginalised and at worst – forgotten. Nick Sanders, Chief Executive of Audley Court is quoted as saying that there are currently 25,000 empty bedrooms located in under occupied family homes around the country and McCarthy & Stone's recent report 'Generation Stuck: Exploring the reality of downsizing in later life' says that a lack of suitable properties is stopping over 55-year-olds moving to more appropriate homes.

The elephant in the room has long been the demographic time bomb that is our aging population. Unfortunately there appears to little in the government's bag of new home initiatives that is designed to encourage the sale of family homes and stimulate home moving chains. Perhaps there is something in the Housing and Planning Bill 2015–16, which at the time we went to print was at the House of Lords Committee stage, which will stimulate this essential part of the property market.

CREATING EMPLOYMENT

Housebuilding creates more than 100,000 jobs

According to a report launched by the Home Builders Federation (HBF) more than 100,000 new jobs were generated in England in 2014/15, thanks to the industry's 'big increase' in housing output.

The report, 'Building Communities, Boosting Employment', reveals that the housebuilding industry now supports around 667,000 jobs in total in England. Also, local economies across the country are reaping the benefits of thousands of additional homes being delivered.

HBF analysis showed that in London, housebuilding now employs more than 100,000 people and it was estimated that last year more than 10,000 jobs were created in the capital.

Outside London, the West Midlands saw the greatest employment through housebuilding with 27,907 jobs supported by the industry in total.

Greater Manchester enjoyed the biggest uplift in housebuilding employment in 2014/15, with an additional 5,418 people taken on. North Yorkshire experienced the biggest proportional growth, with its housebuilding employment numbers doubling to a total of 8,471.

The HBF explained that reforms to the planning system and the well-received Help to Buy equity loan scheme had helped housebuilders to increase its output by around a third in two years. According to the latest government figures there was a rise of almost 25 per cent in net additions to the housing stock to 170,690 during 2014/15 against the previous year, with new build completions totalling 155,080.

HBF executive chairman, Stewart Baseley said: "The housebuilding industry has increased its output at the steepest rate for decades. Delivering the high quality homes we desperately need is also providing a huge boost to economies across the country.

"The industry is recruiting and training tens of thousands of new people to ensure it can continue to deliver significant sustainable increases in supply and provide the high quality homes the country needs."

STEPHEN FRY

Stephen Fry to join Ecobuild 2016

It has been announced that Stephen Fry will join Ecobuild 2016 and will be interviewed by broadcaster Will Gompertz at the culmination of the conference programme.

The audience can expect to hear Stephen Fry's forthright views and insights around issues close to his heart, which will also resonate with the Ecobuild audience. The session will afford audience members a rare opportunity to ask questions in a Q&A session. After the discussion, Stephen will go on to host the prestigious BD Architect of the Year Awards dinner to be held at ExCeL.

NEW BUILD REGISTRATIONS

UK Registrations hit eight-year high

According to the latest NHBC statistics UK new build registrations have hit an eight-year high, with 156,140 new homes registered in total in 2015.

NHBC data showed an increase in private sector registrations of 7 per cent to 118,611 homes during the year against 2014, with those for the public sector increasing 5 per cent to 37,529. In total, new home registrations rose 7 per cent compared to the previous year. The NHBC added that it had registered 75 per cent more new homes in 2015 than in the peak of the downturn in 2009.

Mike Quinton



Most UK regions saw notable growth in registrations compared to 2014, with the Eastern region, North West and Scotland experiencing the biggest lifts of 23 per cent, 16 per cent and 15 per cent respectively. London's registrations dropped 9 per cent to 25,994 in 2015 against 2014, but the NHBC pointed out that 2015 was still the third strongest year on record for London registrations.

NHBC statistics also indicated that the number of detached homes registered in 2015 (42,173) was the highest in more than a decade, continuing 2014's trend. Also, the number of

semi-detached homes registered was at a 22-year high, totalling 35,423.

With the NHBC representing 80 per cent of the market for new build homes, the total market for UK registrations equals 195,000 homes.

NHBC CEO, Mike Quinton said: "We are pleased to report that 2015 was a year for continued housing growth in the UK. Both the public and private sectors have performed well and we have seen encouraging levels of housebuilding across most regions of the country. It is pleasing to see what has happened since the depths of the downturn in 2009.

"There is still a long way to go before we are building the levels of new homes that were seen before the economic downturn, but 2015 represents consolidation on the growth seen over the last three years."

GENERATION STUCK

UK's retirees are a 'Generation Stuck'

Clive Fenton



Although there is high demand from over 55-year-olds to downsize, a lack of suitable properties is stopping older people from moving. According to a report commissioned by McCarthy & Stone this has created a growing 'Generation Stuck'.

The report, 'Generation Stuck: Exploring the reality of downsizing in later life' has been written by the International Longevity Centre – UK for the retirement housebuilder. It reveals, through a YouGov survey, that 33 per cent of UK homeowners aged 55 and over are considering or expect to move to a smaller property. Another 48 per cent are considering downsizing or have already made the move to a more suitable home.

The report, which examines older people's attitudes towards moving and the 'pros and cons' of downsizing, found that a 'substantial number'

of over 55s want to move but cannot due to a lack of choice in the marketplace.

The YouGov survey for the report also found that 29 per cent of the 1,252 respondents who have downsized or are considering or expecting to, had or expect to release more than £100,000 of equity, which highlights the financial value of downsizing.

The report makes three recommendations to aid the 'Generation Stuck' problem, which could in turn release 'billions' of pounds of housing for families and younger people:

- Greater efforts should be made to boost downsizing choices, for example exempting retirement housing from various planning restraints
- The downsizing process should be made more affordable, with one measure being the

exemption of older households from stamp duty when they downsize

- A greater level of advice and guidance could help increase older people's awareness of the options available and the benefits of downsizing, the report recommended.

McCarthy & Stone's CEO, Clive Fenton explained: "Housing and planning policy should not just be about Starter Homes – millions of older people want to downsize to more suitable housing but there is currently little incentive or choice for them to move. As a result, housing chains are blocked at the top of the ladder. This report is calling for more attention on the housing needs of older people, particularly as 60 per cent of all household growth over the next 20 years will be by those in later life."

COMMENT

Local authorities need to work with developers to deliver more homes

Steve Midgley



Steve Midgley, MD of homebuilder, Fairgrove Homes, responds to Local Government Association proposals to charge full council tax on unbuilt developments from the point that planning permission expires.

The Local Government Association, which is the national voice of local government, has highlighted its new research that reveals there are 475,647 homes in England which have been given planning permission, but have not yet been built. This is an increase from 443,265 in 2013/14.

While citing the skills shortage affecting the construction industry as being one of the main barriers to building new homes, and quite rightly suggesting that 'devolving careers advice, post-16 and adult skills budgets and powers to local areas would allow councils, education and employers to work together to help unemployed residents

and young people develop the vital skills to build', it is also proposing to 'force developers to build homes more quickly'.

And how do they propose to do this? They are suggesting that Council leaders should have powers to charge developers full council tax for every unbuilt development from the point that the

Continued on page 7...



Light Van
of the Year



WINNER
FLEET VAN OF THE YEAR



NEW DOBLÒ CARGO. EVERYTHING STARTS FROM YOU.

NOISE REDUCTION

HIGHER TORQUE
RESPONSE

BEST IN CLASS
CARGO CAPACITY

BI-LINK REAR SUSPENSION

4
YEARS

0% APR

REPRESENTATIVE*

+ WARRANTY / 100,000 MILES
+ ROADSIDE ASSISTANCE
+ FREE SERVICING / 80,000 MILES

Reader
Enquiry

101

VISIT WWW.FIATPROFESSIONAL.CO.UK TO FIND YOUR NEAREST DEALER

NEW DOBLÒ CARGO. A BETTER WAY TO WORK.



PROFESSIONAL

Fuel consumption figures for the Fiat Doblò Cargo 1.3 90 MultiJet II Euro 5+ in mpg (l/100km): Combined 56.5 (5.0), CO₂ emissions 133g/km. Euro 5+ with start/stop: 58.9 (4.8), CO₂ emissions 126g/km. Fuel consumption and CO₂ figures based on standard EU tests for comparative purposes and may not reflect real driving results. FOR BUSINESS USERS ONLY. *0% APR representative Balloon Hire Purchase promotion for 48 months available on specific models. Finance subject to status. Guarantees may be required. Finance provided by Fiat Financial Services, PO Box 4465, Slough, SL1 0RW. The included Maximum Care 4 Years Warranty guarantees your vehicle against faulty materials and faulty workmanship during manufacture for a period of 48 months or 100,000 miles, whichever occurs first from the date of first registration in the UK. This excludes wear and tear items. Warranty is subject to exclusions. Terms and conditions apply. The included 4 Years Roadside Assistance consists of Fiat Professional Assistance Service, in the countries and according to the methods shown in the owner's policy information, for a period of 48 months from date of first registration in the UK. Terms and conditions apply. The included Easycare 4 Years Free Servicing is for 4 years or 80,000 miles (whichever occurs first) and includes all services as per the manufacturer's recommendations but excludes wear-and-tear items and other maintenance items not covered under the service schedule. Terms and conditions apply. The Maximum Care 4 years Warranty, Easycare 4 Years Free Servicing and 4 Years Roadside Assistance offers may be used in conjunction with Balloon Hire Purchase 0% APR for 48 months.

original planning permission expires.

This is an outrageous proposal in my opinion and totally counterproductive. While keen to apportion blame on the skills shortage and lack of production, the LGA seems to have conveniently overlooked barriers within its own four walls.

Planning applications are supposed to be dealt with within 13 weeks. While this timescale regularly overruns, even if approval is achieved, it then takes months and sometimes even years to get Section 106 legal agreements, or planning obligations, between Local Authorities and developers signed and planning conditions approved. Before this has happened, developers are not in a position to start on site.

After all these delays, developers still have to find finance and hope that the market remains the same as when they first made the

planning application.

During the recession Councils chose to charge council tax on unsold new homes, thereby increasing the costs and subsequent misery for struggling smaller developers, putting many out of business. As a result, smaller housebuilders have dropped in numbers from over 12,000 20 years ago to less than 3,000 today. This is primarily due to the whole planning system favouring larger sites and therefore larger developers, and secondly the availability of finance.

Charging business rates on unoccupied business premises has severely curtailed speculative development in that sector, and now that the economy is growing, there is a shortage of readily available property. This suggestion would have the same effect on new homes, as developers will not take the risk.

The Home Builders Federation's own research

suggests that the 'vast majority of the 475,647 homes quoted by the LGA are either on sites where work has already started, or where there is not a fully implementable permission and where it is not legal for builders to commence construction.' Research and statistics aside, the government has committed to build one million new homes in England by 2020, with David Cameron promising to 'pull out all the stops' to ensure this happens.

In which case, Council planning and legal departments need to work with developers, including smaller homebuilders and not just the larger developers, rather than imposing yet more financial strain on businesses that will play an essential part on the continuing economic recovery.

LONDON HELP TO BUY

London Help to Buy opens its doors

The new London Help to Buy scheme has now opened its doors – allowing Londoners to buy a home with just a 5 per cent deposit and a mortgage as low as 55 per cent, the Communities Secretary Greg Clark announced.

First-time buyers and second-steppers will get the opportunity to own a new-build home in the capital with a deposit backed by a 40 per cent equity loan from the government that is interest free for the first five years.

London Help to Buy is an extension of the successful Help to Buy scheme that has helped 130,000 people across the country since 2013.

Under the current scheme loans of up to 20 per cent of the property's price are made available to first-time buyers and home movers on new build homes worth up to £600,000. In London the loans will now be doubled to up to 40 per cent.

Chancellor George Osborne said: "This government is determined to help more people realise the dream of owning their own home.

"Our Help to Buy scheme has already helped tens of thousands get a step onto the housing lad-

der, and the Help to Buy ISA means many more will get a top up from the government as they save for a deposit.

"Today's new scheme means an even better deal in the capital, where buying a home remains out of reach for too many.

"And to ensure there are more homes to buy for people across the country, in my Spending Review I set out plans to deliver the biggest affordable housebuilding programme since the 1970's."

Communities Secretary Greg Clark said: "We're determined to make home ownership a realistic aspiration for hard-working young people, wherever they are in the country.

"Our multi-billion pound investment will open the door to thousands of Londoners wanting to own their own home, following in the footsteps of nearly 270,000 people who have already bought through government-backed schemes.

"And now with the improved Help to Buy scheme launching in London, I would urge anyone who thinks home ownership is out of reach to look again at the help on offer."

Housing Minister Brandon Lewis said: "Help to Buy has now helped over 130,000 people across the country achieve their aspiration of buying a new or bigger home.

"The scheme is helping people turn those dreams into a reality, with a fraction of a deposit they would normally require, and from today the new London scheme will help even more people follow in their footsteps.

"Anyone thinking about home ownership and those who believe it is out of reach should look again at the range of government schemes available to them."

Aldermore, Bank of Scotland, Barclays, Halifax, Leeds, Lloyds, Nationwide, Natwest, Royal Bank of Scotland and Teachers Building Societies are supporting London Help to Buy – enabling Londoners to get on the housing market with a much smaller mortgage.

Help to Buy: Equity loan has been extended to 2021 with a further £8.6 billion; aiming to help up to 145,000 more people take steps towards owning their own home.

NETMAGMEDIA AT ECOBUILD

Housebuilder and Developer at Ecobuild 2016, stand E3036

NetMAGmedia will be exhibiting at Ecobuild once again this year, from 8 - 10 March. Come and see us at the show and register to receive a regular copy of Housebuilder & Developer (free to qualifying readers). Our stand number is E3036.

Each edition is packed full of the latest news, products, events, developments and more to keep

you up to date with the housing industry. You may already receive a regular copy and wish to communicate your ideas on future editorial content and other areas you'd like to see featured. We are working hard to improve every area of the magazine, so your comments would be most welcome. We look forward to seeing you at the show!



SMART HOMES AWARD WINNERS

Smart Homes Award Winners

Smart homes technology specialists Cyberhomes have won the custom installation (CI) industry's Install and Technology Solutions Award (ITSA) for 'Best Whole House Integration'.



The award recognises the quality of a fully integrated automation and entertainment system designed, built and delivered by Cyberhomes. Having worked with a property developer client on several previous projects, Cyberhomes were given the opportunity to provide the integration of the AV (including a cinema room), lighting, heating and security systems for his own luxury family home in Hampstead.

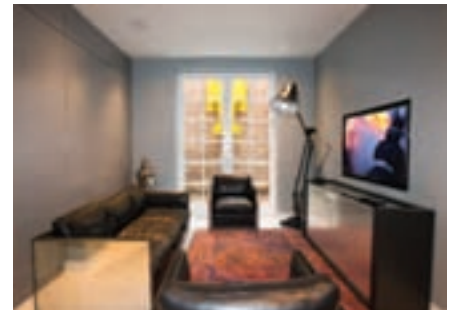
Cyberhomes Director Ion Smith said: "The client had previous experience of Lutron lighting control and multi-room audio but the concept of integrating these, along with all the AV controls, heating and security into a single control system was new to him. Once we had demoed the Savant Pro system to him he was sold on the concept."

Cyberhomes' client added: "Having worked with Cyberhomes on several upmarket property development projects, I knew they could deliver the type of smart capabilities I wanted for my own home—and they didn't disappoint."

The ITSA judges commented: "The results of Cyberhomes' work speak for themselves – a tour de force of custom install in every room they reached, creating a smart house that ticks all the boxes of advanced 21st century living and ups the home automation ante; the client couldn't have asked for more from this team of innovative installers. A truly deserving winner in what was our toughest category to judge. This is what CI is all about!"

Cyberhomes work closely with clients, architects, developers, interior designers and

M&E consultants from the very start, wherever possible, to integrate control and AV systems with the overall building design and performance. The Cyberhomes founders have a background in outside-broadcasting technology for the BBC and take the same rigorous approach with the equipment, cabling and software behind home automation projects. AV racks are built and tested at Cyberhomes' rack building facility in Thame and all the wiring looms created in a controlled environment before installation.



EVENTS

kbb
6 - 9 March, Birmingham
www.kbb.co.uk

Ecobuild
8 - 10 March, London
www.ecobuild.co.uk

National Homebuilding & Renovating Show
14 - 17 April, Birmingham
www.homebuildingshow.co.uk

North England Build Expo
Manchester Central
27 - 28 April

Grand Designs Live
30 April - 8 May, London
www.granddesignslive.com

RESI Awards
11 May, London
www.resiawards.com

Eco Technology Show
9 - 10 June, Brighton
www.ecotechnologyshow.co.uk

CIH Housing Conference & Exhibition
28 - 30 June, Manchester
www.cihhousing.com

UK Construction Week
18 - 20 October, Birmingham
www.ukconstructionweek.com

The Build Show
18 - 20 October, Birmingham
www.ukconstructionweek.com/build-show

Grand Designs Live
19 - 23 October, Birmingham
www.granddesignslive.com/nec

London Build Expo
26 - 27 October, London
www.londonbuildexpo.com

MINISTERS CALL FOR HOME GROWN TALENT

Ministers call on construction industry to invest and build home grown talent

Ministers have called upon the construction industry to remove barriers to get more young people to consider careers in construction and develop an ambitious action plan to address the skills pressures and other constraints that are limiting housebuilding and infrastructure development.

Housing Minister Brandon Lewis and Skills Minister Nick Boles want the construction industry to look at whether current business models are holding back the industry from developing the skills it needs and to consider new models of construction such as offsite manufacturing.

The Construction Leadership Council has been called upon to review what skills the construction industry need to provide the homes the nation needs.

The Council has asked Mark Farmer, of real estate and construction consultancy Cast, to identify actions that will help bring more workers to the industry.

Views are being sought on how to best train a workforce which has a high level of self-employment and bring about greater use of off-site construction. The review will also look at how the industry can introduce measures that encourage more investment and new ways of working.

Housing Minister Brandon Lewis said: "The number of new homes being built is up 25 per cent in the last year – and this is further proof we've got the country building again and

delivering the homes the nation wants.

"This means thousands of jobs are now up for grabs and we're determined to make sure that there are enough skilled workers to get the job done.

"Construction offers an exciting and rewarding career and we need to build a new generation of home grown talented, ambitious and highly skilled construction workers.

Skills Minister Nick Boles said: "The government is committed to getting Britain building. We are investing in measures to cut red tape and increase the number of young people doing apprenticeships and traineeships to ensure we have a pipeline of skilled workers.

"As leaders in the industry, the Council is best placed to advise on how to boost productivity in the sector and build the houses and infrastructure our nation needs."

Mark Farmer, chief executive officer at Cast, said: "I'm delighted to be asked to lead this review. The construction industry's skills shortfall has been growing progressively and its ageing workforce now means affirmative action needs to be taken to avoid more acute issues in the future.

A healthy and robust construction sector is vital to underpinning the government's commitment to delivering critical new housing and infrastructure projects. It will also ensure the unrivalled economic multiplier effect related to construction activity continues to play its part

within the wider UK economy.

"The industry needs to seize the opportunity to celebrate the vital contribution it makes and, in partnership with government and other key stakeholders, ensure it overcomes the current barriers to fulfilling its potential."

Building future skills

The 2008 housing crash devastated the industry and led to the loss of a quarter of a million construction jobs. However, the housing market has now turned a corner, with government investment returning builders to sites across the country.

New research from the Home Builders Federation shows that over 100,000 new construction jobs were created in England alone in the last year – the review will look at how we can go further to ensure young Brits leaving school or those looking for a career change will see building as a viable and exciting career.

Housebuilding is at the heart of the government's long-term economic plan with plans to build 275,000 new affordable homes during this Parliament.

The housebuilding process requires a wider range of different people – as well as traditional on site trade jobs, there are a number of roles such as land buyers, accountants, engineers, sales and marketing staff.

PARTNERSHIP HELPS SERVICE VETERANS

Former army barracks to be transformed into a unique housing project

A former army barracks near Salisbury Plain is being transformed into a unique housing project combining private properties and homes fit for heroes.

The site of the former Erskine Barracks, near the village of Wilton, will be turned into two new housing developments, Wilton Hill and Erskine Park, where families will live alongside service veterans returning from conflict zones.

The unique project is the creation of regeneration and development specialists Our Enterprise who are working alongside Redrow Homes to create the UK's first major housing development built with returning military personnel in mind.

Our Enterprise was approached by the Wilton Community Land Trust to develop plans for site after they became concerned the areas military heritage would be lost.

Our Enterprise agreed to partner with Redrow Homes to buy the two sites and plans for 292 family properties and 44 one and two-bedroom apartments for veterans have now been approved by Wiltshire Council.

Alongside the 292 private homes being built by Redrow Homes, the 34-acre site will also feature a community-based campus for service veterans with homes, an enterprise hub, crèche and retail units. This element of the project will be managed by Our Enterprise. The hub will offer training and help for veterans to launch their own businesses and will sit alongside facilities for up to 60 other businesses.

The new community will also include units the veterans can rent for a period between six and 24 months while they receive business and skills training. They then move on to make room for another veteran.

Continued overleaf..



The former Erskine Barracks project is Our Enterprise's first major project aimed at helping returning veterans and its CEO, Matthew Bell explained: "When Wilton Community Land Trust came to me I immediately spotted an opportunity. The Erskine Barracks had been put up for sale and there were fears the site could be turned into a massive housing estate with little or no consideration about the area's military her-

itage. I knew we had a unique opportunity to do something different.

"It needed to be a genuine business opportunity for the builder, while at the same time offering an incredible opportunity to our military personnel returning from conflicts overseas.

"Within 10 minutes of meeting the Redrow chief executive John Tutte, I knew we could make this work. Redrow agreed to meet the Wilton

Community Land Trust and they, with our support, had some long conversations which led to the plans we all then submitted.

"Between us we purchased the land and had the plans approved swiftly without the need for any additional costly and timely consultations. I believe we have come up with a plan which will reinvigorate this community and transform many lives for the better."

COMMENT

Realising the potential of the retirement market and helping release under occupied family homes

Having created the first ever new build, integrated private housing and care facility back in the 1980s Audley Court Chief Executive, Nick Sanderson believes that over 55-year-olds are being marginalised by the government which must now take steps to recognise the needs of this growing sector of our society

While the UK suffers the most severe housing shortage since the end of WWII there are currently over 25,000 empty bedrooms, many in under occupied family sized homes. Recently the government has developed and implemented numerous housing initiatives to help create a home owning society. However, these are almost exclusively aimed at younger potential first-time homeowners, who are being encouraged to buy brand new properties.

Although commendable this will not stimulate moving chains or encourage 'empty nesters', living in large family homes, to move into properties more appropriate to their needs.

When I started my first company I knew I had to look for a niche in what was a very busy house building market. Having discussed my plans with a family friend who was a GP, we decided to look at the retirement/care market. We spent weeks visiting private and local government care homes around Kent trying to find a home for our fictional auntie.

The UK 'retirement home' offering back then was appalling. A real anomaly when in countries like the USA and Australia 'adult only' resort type communities, which cater seamlessly for the active retired, assisted care and full time care part of their populations were really taking off.

Innovation is a lonely place

We realised that this model was both needed and could work in the UK. So we decided to create the country's first purpose built, age exclusive care community. However, innovation is a lonely place, especially when trying to find finance. Eventually we managed to persuade 3i to invest in our plans and in 1984 we opened our first unique, private, over 55-year-old, new home and care offering to a queue which went around the block. Having created a product that satisfied a real need we were rushed off our feet and continue to be so.

Like other new homes providers our part of

the housing sector has had to weather some tough times since then. However, Audley continues to recognise the needs of a changing society and provide a fully managed, integrated new home, assisted and care home offering.

However, we also recognise that we have to satisfy the needs of the communities in which we build. Unlike some new developments our new neighbourhoods are not inaccessible islands. We welcome locals to use our swimming pools, restaurants, other community facilities, and join our events, which in many cases were not available to them until we arrived.

This ethos also helps us with both community engagement and then planning applications. The arrival of a housebuilder invariably attracts community concern but so often we have welcomed local residents who arrived at our engagement exercises as potential adversaries and left as confirmed customers. We have long realised that marketing our developments starts at the point of community engagement, not when you open the sales centre. This has both created off plan customers and helped our planning applications gain quick consent from local councils – even on green belt sites.

Some may say we are taking advantage of an elderly customer base. Our current customers were mostly born in the 1950s, lived through the swinging 1960s and have travelled the world. They know exactly what they want. Importantly, we also know what they want in terms of quality and service. This has resulted in a fully managed, quality care on demand, 'later lifetime homes' model. Our property owners can take advantage of an active lifestyle, through assisted care to a full care environment without having to move home.

Today's developments also have to embrace sustainability and new technologies. Even small things like LED lighting, ground source heating and intelligent wiring can make a big difference to both our customer's quality of life and build-management costs.

As I have said 'innovation can be a lonely

place'. However, we have moved away from the 'construction heritage' of many housebuilders/land developers and, based on a marketing model, created a value added product offering. This provides what is really needed by a growing part of our aging but active society.

At first financial folk would say: "Are you sure?" But over the last few years we have seen a very different attitude. People are taking notice of our activities and now everyone wants a bit of our action.

Encouraging older homeowners to make the move

So why are Audley type developments not flooding the country, four-bedroom plus homeowners not moving into our properties and stimulating the housing market by vacating the homes families need? Probably because there is no incentive to do so.

If the government really wants to create a home owning society and a balanced housing sector they must do two things:

- Encourage older home owners to sell their large family sized and under occupied home by removing the requirement for them to pay stamp duty when moving to a smaller and possibly care assisted brand new homes
- Encourage homebuilders to create better and more targeted homes that cater for the demographic time bomb, which is our aging society

When it comes to creating homes for the country's often forgotten but growing number of over 55 year olds I want something better. We have to create higher specification homes located in 'later lifetime home communities'. These must integrate into existing communities and create the quality of life that will encourage older homeowners to move out of their under occupied homes and thereby provide the family sized homes our society needs. It is a challenge but one with the support of the government I believe we can achieve.

GRP door & window canopies from Canopies UK

We have supplied more than 30,000 canopies throughout the UK to housing associations, contractors, house builders and local authorities.

With a standard range of popular canopy designs, a bespoke manufacturing facility and installation service if required, Canopies UK offer the complete solution.

- | | |
|------------------------|----------------------------|
| ✓ Free site visit | ✓ Full fixing kits |
| ✓ CAD drawings | ✓ Delivery nationwide |
| ✓ Specification sheets | ✓ Installation if required |

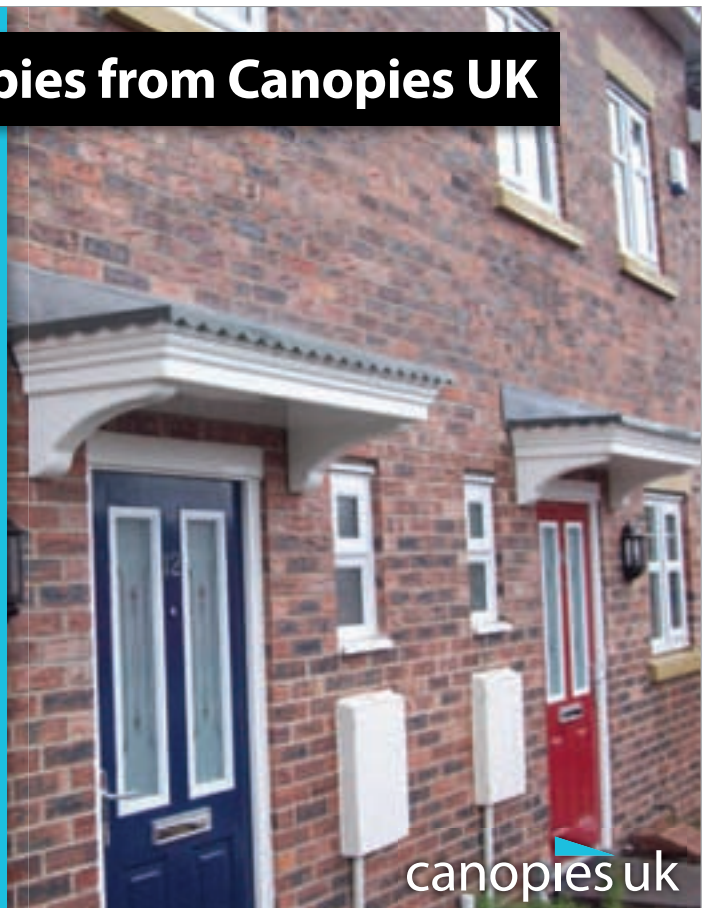


For a quote call Greg now on:

01254 777002 Ext: 222

www.canopiesuk.co.uk

Email: **greg@canopiesuk.co.uk**



Enq. 102

IronmongeryDirect

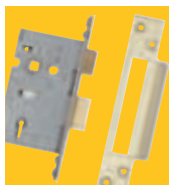
MASTERS OF OUR TRADE

HEAVY DUTY RANGE

FOR HEAVY DUTY PROJECTS

ORDER
BY 8PM.
GET IT NEXT
DAY!

CALL 0808 168 28 28
OR GO ONLINE TO
GET YOUR FREE
CATALOGUE



WIN A CCTV KIT

Yale



Enter our FREE PRIZE DRAW at
IronmongeryDirect.com/Win-CCTV
HURRY, PRIZE DRAW CLOSES 31/03/16

UK'S BIGGEST
RANGE IN STOCK



FREE DELIVERY
OVER £45*



FREE RETURNS
WITHIN 30 DAYS



MINIMUM
5 YEAR
GUARANTEE



LOW
TRADE
PRICES

DOWNLOAD OUR FREE APP



*Ex VAT

CALL 7am-8pm 7 days a week
0808 168 28 28



ONLINE Shop 24/7!

IronmongeryDirect.com

FIND US ON ►



Enq. 103

Offers on entertainment perfectly tailored to your property

We can add some extra style to your development with bespoke packages that offer buyers our award-winning TV, broadband & phone service working from the moment they walk in.



SKY, INSIDE FROM THE START.

Find out more at sky.com/newbuild or call 08442 410 327

Mad Men: Series 7 sky ATLANTIC

Mad Men © 2015 Mark Goodson Company

sky

Believe in better

WATER MANAGEMENT

Avoiding future floods and droughts

With large parts of the country suffering winter flooding Lutz Johnen, Managing Director of water management specialists Aquality Trading & Consulting Ltd suggests that appropriate water management will help with both potential flooding and drought issues.

As recent floods have shown only too clearly and '100-year rainfall events' occur more regularly than the name would suggest we ignore the forces of nature at our peril. Worryingly predicted changes in weather patterns foresee the UK in the future experiencing much milder and wetter winters. These are forecast to raise river levels by as much as 15 per cent above their current high-water marks, with inevitable damaging consequences to people, their homes, the environment, and the economy.

Often overlooked amidst the human misery caused by flood events, however, is the other aspect of changing weather patterns, namely drier summers. These are predicted to lead to water shortages that could wreak damage on water-dependent industries such as agriculture. According to the latest Intergovernmental Panel on Climate Change (IPCC) Report, droughts pose a far greater future threat to the UK.

Politics vs results

The political outcry, which inevitably accompanies flood events leads to the Environment Agency prioritising flood-defences with all available resources. The general call by those effected being to dredge watercourses and raise riverbanks. All very understandable when personally affected, but not necessarily the right short-term answer to a long-term challenge.

Improving local watercourses as a conduit for water has two obvious potential downsides:

Firstly it is prone to moving the flooding problem downstream to new sufferers. Secondly it does nothing to address the other side of the water equation, which is the need to meet later demand.



This will only become a political issue once droughts occur as regularly as floods currently do. By which time it may well be too late to react.

The answer, while doing everything possible to mitigate current flood risks, is to take a look at the supply side of the water equation now, rather than wait for the problem to arrive.

Attenuate and re-use

Although the right approach will inevitably vary with the topography and local rainfall characteristics, the broad principle must include storing sufficient water when and where it falls, to meet later dry weather irrigation demands. This has the beneficial secondary effect of reducing downstream flood risks while the rain is falling, correspondingly affecting the scale and nature of investment in flood defences.

It goes without saying that a consequence of this logic is that planning and investment to avoid future floods and droughts needs to be undertaken in an integrated and holistic way. A conclusion soundly endorsed by a recently published survey of more than 1,000 water

management professionals.

Sustainable Urban Drainage Systems (SuDS)

Meanwhile, a significant proportion of local flood risk arises from the rainfall falling on urban areas, a factor resulting in a long-standing requirement for the incorporation of sustainable drainage (SuDS) on all new developments. This means that the new roofs, roads and other hard surfaces associated with new developments must avoid adding to existing down-stream flood risks.

Where this cannot be achieved by simply draining the surface water into the ground through soak-away pits, the normal approach is to use techniques to attenuate, or temporarily store, the water until it can safely be released into the storm drain system.

Re-using this attenuated water for non-potable uses, such as toilet-flushing, to help address future water shortages would appear the logical next step, as already highlighted in the Welsh Government and Mayor of London SuDS Standards.

ROCK-BOTTOM MORTGAGE RATES

Mortgage Advice Bureau comments on the Bank of England's Money and Credit Report

Mortgage approvals reached a near two-year high in December, rounding off a successful year for borrowers. Existing homeowners were the frontrunners in this growth, with the number of remortgage approvals rising by more than a quarter since December 2014.

Brian Murphy, Head of Lending at Mortgage Advice Bureau, commented: "Borrowers benefited from rock-bottom mortgage rates

throughout 2015, and our data shows that rates continued to fall across all fixed rate products in December. Growing numbers of homeowners are wising up to the fact that it pays to remortgage, particularly if moving from a poor value standard variable rate. Borrowers who are comfortable with a long-term commitment can take advantage of today's rates by locking into a fixed product, avoiding higher mortgage bills when an interest rate rise eventually kicks in.

"For those who do not have the comfort of already sitting on the property ladder and are looking to buy for the first time, the outlook is still positive. Although not quite up to pre-recession levels, mortgage approvals for house purchase have improved markedly in recent years and lenders are battling for business. However, with house prices continuing to rise, affordability remains a concern, and today's low mortgage rates aren't a permanent fixture of the market."



Make your home a place for life and a space for living.
From survey, to installation and after care, we provide exactly
the kind of service that you would expect from the original
and leading manufacturer in the UK.

Create a space for happier living
call 0800 121 4809
go to [expressbifolds.co.uk](https://www.expressbifolds.co.uk)

Showrooms in Glasgow, Leeds, Harrogate, Redhill & Romford

express
bi-folding doors

BI-FOLDS | SLIDING DOORS | WINDOWS | GLASS ROOFS | BESPOKE PROJECTS

Reader
Enquiry
104

MADE
IN GREAT
BRITAIN

MUDRUN

HBD team get muddy for charity



On 9 April 2016, the Housebuilder & Developer team will be taking part in the Royal British Legion Major Series, a demanding 5K course full of military obstacles and thick mud!

All participants will wade through muddy streams, 'stench trenches' and negotiate 'vanishing bridges' and a number of other hurdles while raising money for the Kids Cancer Charity

(www.kidscancercharity.org).

What our office-based staff can expect on the day could not be more of a contrast to the day-to-day routine of publishing trade magazines. As a result, we are sure there will be great trepidation as the day arises, however, each member is fully committed to completing the event – culminating in a 50-metre water slide to finish.

We have set a target of £1,500 to raise, so

please give generously to this great cause by visiting www.justgiving.com/netmagmedialtd or you can text a donation by texting NETM99 followed by the amount you'd like to donate (E.g. NETM99 £3) to 70070. Please note that it will say your donation has gone to Christian Lewis Trust – this is the original name of the Kids Cancer Charity.

COMMENT

Building a holistic future

Stacey Temprell



As the Government plans to build 400,000 affordable homes by the end of the decade, there is concern that current building regulations do not go far enough to create sustainable, healthy and comfortable living environments. Stacey Temprell, Residential Sector Director at Saint-Gobain UK and Ireland, explains the importance of adopting a holistic approach to building and design that prioritises user comfort and wellbeing

Energy efficiency and carbon reduction have been at the forefront of residential building over the past decade, with standards such as Passivhaus making an increasing impact on housing design and construction.

However, this focus on energy performance and carbon reduction means that a holistic approach to building is not often considered with a view to optimising the user's living experience.

The concept of 'multiple comforts' and taking a broader, more holistic approach to building is well understood by many architects and developers, but without an agreed standard it can also be very subjective.

Multi-Comfort

That is why Saint-Gobain is pioneering a new approach, called the Multi-Comfort concept for buildings, which sets tangible, measurable standards for the building, to deliver a truly comfortable house for the occupier, whether home owner or tenant.

Multi-Comfort defines five primary comforts: thermal comfort, visual comfort, audio comfort, indoor air comfort and economic comfort, with standards for each. These surpass existing building regulations, incorporating the energy efficiency and thermal comfort standards set by Passivhaus and introducing new standards in audio, indoor-air and visual comfort to give the building user the ultimate experience of comfort.

Based on Passivhaus design principles, with buildings using very little energy for heating and cooling, Multi-Comfort buildings achieve a 75 per cent reduction in space heating requirements in comparison to current standard practice in

new-build homes, and provide the same level of thermal comfort.

The Multi-Comfort standard for residential new build sets out four criteria for achieving thermal comfort, with heating and cooling energy demand, thermal bridging and overheating. Prevention levels all based on Passivhaus standards, with the additional target for relative humidity of 40-60 per cent relative to a temperature of 20 degrees centigrade.

Maintaining good thermal efficiency

To maintain good thermal efficiency, insulation materials must be as effective as possible to keep buildings at a constant level of thermal comfort, without compromising visual or indoor air quality. Designing for energy efficiency alone can have a direct impact on the visual comfort of a building. To maintain good thermal efficiency, some builds reduce window size, lowering the amount of natural light allowed in the building.

The windows in a Multi-Comfort building are carefully sized, oriented and designed to help improve views, natural daylight and colour appearance while minimising glare and solar gain. Using daylighting autonomy techniques, the Multi-Comfort building concept also allows for windows to be designed, using advanced UK-manufactured glazing, to maximise daylight and minimise the need for artificial lighting, adapting to conditions.

The indoor air quality of buildings also impacts on building occupants. Good, clean air can reduce health problems, as well as enhancing user comfort. Indoor pollution from outside sources, such as traffic and industry, can affect health, as can the

finishes of furnishings and floor coverings at certain concentration levels. If managed correctly, innovative technology can decompose internal pollutants into non-harmful inert compounds, improving air quality.

The challenge

By focusing on just one aspect of a house build, even such an important one as energy efficiency, then there is still a risk that the house will become uncomfortable. The challenge of designing and building homes cost effectively to achieve a balanced level of comfort can be met by the latest building materials on the market today; especially the latest developments in external and internal insulation materials, plasters and plasterboards, renders, airtightness and vapour control membranes, and new glazing materials.

Many of these materials also improve sound insulation and reduce acoustic transmission, improving audio comfort. The Multi-Comfort building concept uses innovative absorbing materials, such as special plasterboards and mineral wools to reduce airborne and impact noises inside the building.

The most important thing to remember is that each of the 'five comforts' of thermal, indoor air, acoustic, visual and economic comfort are all closely inter-linked.

A house is also a home, and even in the current market, where demand far outstrips supply, housebuilders who deliver a house that takes into account each element of human comfort will have a competitive advantage.

DEVELOPMENT SHOWCASE

Redrow acquires site to build 300 new homes at Thorpe Park Leeds



Thorpe Park Developments Ltd, a joint venture between Scarborough Group International and Legal & General Capital, has agreed a deal to sell a significant 20.3-acre development site at Thorpe Park Leeds to Redrow for the delivery of up to 300 new homes.

The deal with Redrow forms part of a wider plan to deliver the residential element of a mixed use scheme in phase two on the 200-acre site in East Leeds.

Redrow's Yorkshire operation will develop housing with an anticipated finished worth of almost £70 million. Redrow will also be responsible for a package of community benefits worth circa £1.85 million, including contributions to education and public transport, in addition to wide ranging community provisions by Scarborough as part of the overall scheme.

In addition to the housing, Thorpe Park Leeds has planning consent for a transformational 1.35 million sq ft mixed-use expansion of the existing 800,000 sq ft business park. Preparation work is already underway to deliver a new 300,000 sq ft shopping and leisure park and a first phase of 40,000 sq ft of offices. The development also includes a 113 acre public park with sports facilities.

Redrow's development will be a 'gateway' to the eventual creation of up to 7,000 homes including the East Leeds Extension. The Thorpe Park Leeds development will deliver the primary infrastructure to kick start the new East Leeds Orbital Road (ELOR) and the initial site preparation works have already commenced to connect Manston Lane, Crossgates, to J46 of the M1.

Matthew Barker, land director for Redrow Homes (Yorkshire), said: "We're very excited to be involved in the Thorpe Park Leeds project and, with it, the wider East Leeds Extension, which is the largest housing development in the Leeds City region.

"The Manston Lane Link Road is due to open during 2017, which will enable works to commence on the Thorpe Park Leeds residential area. We will submit a reserved matters detailed planning application during 2016 so that we are ready to progress as soon as possible."

Redrow expects to build mostly two, three and four-bedroom homes and some one-bedroom apartments. It will seek permission for homes from two different product ranges – the Arts & Crafts inspired Heritage Collection and the Georgian-influenced

Regent Collection, ensuring a wide choice of homes for different audiences.

Work will hopefully commence in 2017 with completion of all 300 homes scheduled by 2021.

Mark Jackson Consultant to Scarborough Group International, said: "We are looking forward to working with Redrow Homes on the next phase of Thorpe Park Leeds. The quality of Redrow's homes and its approach to design is very much in keeping with the high standards that we intend to establish in the development of Thorpe Park Leeds which is founded on four key themes; Community, Health and Wellbeing, Connection and Enterprise. We believe that Redrow shares our ethos and understands our vision and we will work together to ensure integration to the wider Thorpe Park Leeds project and indeed East Leeds's wider community."

Thorpe Park Leeds is already an important business location for both Leeds and the North of England, located just six miles east of Leeds City Centre, with its own dedicated access off junction 46 of the M1. Among the 60 occupiers of the existing office space are IBM, National Grid, GE Capital, Vinci, BAM and United Utilities.

Glass Excellence

www.firmanglass.com

Established in 1975 Firman Glass is one of the leading independent glass processors in the UK, manufacturing toughened glass, laminated glass and specialist sealed units.

Based in Harold Wood Essex within 5 minutes of junction 28 of the M25 and half an hour from Central London we are ideally situated to service our ever growing and diverse customer base.

Manufacturing all forms of processed toughened glass, with comprehensive stocks of clear float, low iron, satin, body tinted, mirrors, laminated glass, acoustic laminated and fire rated glass.

With some of the most advanced capabilities in place Firman Glass is able to manufacture high quality products for all markets sectors including architectural, retail, leisure and domestic.



Products

- Toughened glass
- Processing
- CNC shaping
- Laminated glass
- Toughened and laminated constructions
- EVA and Vanceva coloured interlays
- Fabric and decorative interlays
- Safflex DG41 structural interlay
- Specialist insulating glass units
- Anti-slip glass
- Fire rated glass
- UV bonding
- FIRMALITE electric switchable glass
- Heated glass
- Decorative glass
- Sandblasting
- Colorfirm™ back painted glass

Applications

- Structural glazing
- Glass floors
- Partitions
- Roof lights
- Balustrades
- Full height barriers
- Canopies
- Staircases
- Treads and stringers
- Shower screens
- Shelving
- Glass doors
- Acoustic reduction
- Fire rated
- Decoration
- Wall cladding
- Splashbacks
- Privacy
- Technical Support
- Nationwide Coverage



Further information is available from our sales and technical offices or visit www.firmanglass.com

Firman Glass, 19 Bates Road, Harold Wood, Romford, Essex RM3 0JH
Tel: 01708 374534 Fax: 01708 340511 Email: sales@firmanglass.com



Reader
Enquiry
105

Firman

www.firmanglass.com

DEVELOPMENT SHOWCASE

Novus to deliver affordable houses in Stoke-on-Trent

Novus Property Solutions has been contracted to deliver 22 affordable properties at the site of a derelict pub in Staffordshire.

The site of the former Woodshutts Inn pub on Lower Ash Road in Butt Lane was purchased by Aspire Housing in 2013. The land was subsequently cleared and plans for 22 new properties were drawn up and approved.

Novus' reputation for delivering regeneration projects led to the company being contracted to deliver the much-needed uplift to a neglected area.

The construction will include properties of different styles and sizes, including six two-bed bungalows, 10 two-bed houses and six one-bed flats.

Work on the buildings is due to start on site in March, and completion is expected in early 2017. The homes will provide a mix of shared ownership and affordable rent, priced between £115,000 and £125,000 for shared ownership.

Wayne Hughes, managing director at Aspire Housing, said: "Unfortunately this site had been attracting interest for all the wrong reasons in the past.



"The regeneration of the site had previously been welcomed by the community who had labelled it as an 'eyesore' because it had attracted ASB problems, including fires and vandalism.

"I'm sure it will be a great relief to residents

that our project to provide new homes and regenerate the area will soon take shape."

He added: "We are proud to be working in partnership with Novus Property Solutions to transform this site, creating attractive and affordable new housing for the community."

HAMMILL PARK

Near Sandwich, Kent

Create your own Grand Design



Example of a house built by Quinn Estates

- Only 5 plots remaining from 19
- **READY TO GO** plots sold with full service infrastructure
- Benefit from planning for large, well-designed family houses

Last few plots remaining...

Prices from £265,000



www.quinn-estates.com
T. 01227 831 212
E. quinnestates@quinn-estates.com



View from site

DEVELOPMENT SHOWCASE

Planning permission granted at Ebbsfleet Garden City

Lee Evans Partnership (LEP) is working with Land Securities and the Ebbsfleet Development Corporation (EDC) to deliver the next phase of the Ebbsfleet Garden City.

The area, known as Castle Hill South, will include the first local neighbourhood centre which will comprise of over 150 new homes, a two form primary school and a community centre along with associated commercial and community facilities. LEP is working in line with the government's objectives of creating high-quality housing and communities supported by local employment opportunities, infrastructure and recreational amenities.

A spokesman for Lee Evans Partnership said: "We are aiming to create in Castle Hill a place where communities can grow, and a sense of identity is of central importance to the process. Our approach seeks to achieve appropriate density of living, and will be of a contemporary vernacular while retaining a strong sense of place in Ebbsfleet. We're

delighted to be part of the team and to be given this unique opportunity to deliver a 21st century garden city."

LEP has carried out proving layouts for a total of 375 affordable housing units on behalf of Circle Housing, and planning permission has just been granted by Ebbsfleet Development Corporation for Phase 1 of the scheme, totalling 165 units. LEP's application followed detailed discussions with Dartford Borough Council and the EDC, as well as a public consultation with local residents in the local area.

The LEP Planning & Architecture teams are also working alongside Newcrest Estates Limited to develop the Castle Hill Neighbourhood Centre, which will include shops, a pub hotel, apartments, cafes, health centre and a convenience store. In addition the firm, which has a strong reputation in the Education sector built up over more than 40 years, is working with Land Securities and Kent County Council and Leigh Academies Trust to develop a 2FE

primary school with a maintained nursery, SEN provision and a independent community centre at Castle Hill that will serve the local community.



ARCHITECTURAL GLASS

Bespoke stairs & balustrades
 Splashbacks & worktops
 Glass floors & roof lights
 Complete glass solutions

Please contact us for details
 01903 733206
www.demon-designs.co.uk



design | construct | perform

08-10 MARCH 2016 EXCEL LONDON

Evolving with the building industry

Here's what's NEW for 2016

- **New show layout**
- **1,000s of innovations from over 800 exhibitors**
- **The latest thinking at the conference, covering hot topics - Homes, Architecture & Next Generation**
- **CPD accredited learning hubs - Building Performance, Design, Energy, Infrastructure Revolution, Digital Building and #BuildCircular**
- **Ground breaking interactive features and product showcases**

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

Co-located with resource

THE LEADING EVENT FOR THE CIRCULAR ECONOMY

GOVERNMENT PARTNER:



LEAD PARTNER:



RESEARCH & INNOVATION PARTNER:



LEAD SUPPORTERS:



OFFICIAL CHARITY:



ORGANISED BY:



ECOBUILD IS ISO 20121 SUSTAINABLE EVENT MANAGEMENT SYSTEM CERTIFIED

Industry movers

The latest movements and appointments within the housebuilding industry

BAL

Building Adhesives Ltd (BAL), manufacturer of full tiling solutions including adhesives, grouts and ancillary products, has hired two new Specification Managers as part of its drive to expand its specification support team. Alan Thurston and Tracey Hopkins will work with architects, designers and specifiers supporting them on M40/M20 specifications, providing project support and delivering RIBA-accredited CPDs. Tracey will deliver support in North West and South West London while Alan will work with clients in the Midlands. Alan has more than 20 years' experience in the flooring sector, working alongside architects, specifiers and contractors for companies including Altro, Polydeck Resins, and RSL.

BIDWELLS



Bidwells has further strengthened its team with Tom Mayes, taking up the role of Chartered Surveyor within the Residential Development team in Norwich. Tom has a wide range of property experience in relation to residential, agricultural, rural and planning development within the East of England. He has a wealth of expertise in a variety of areas including property acquisitions, valuations and appraisals along with planning and development of land for residential development purposes.

GL HEARN

GL Hearn – part of Capita Real Estate – announced that it has made a number of appointments at director and associate director across its building consultancy, development group and corporate transaction teams. Three senior staff have been promoted to director level and nine promotions have been made to associate director. In the development group, Alex Christopher, Jonathan Glaister and Guy Ingham have been appointed as directors. Chris Benham, Ross Bettridge, Roland Brass, Sarah Hiscutt, Amy Jones, Lizzie Ramsey and Dan Washington have been appointed as associate directors. Outside the development group, Toby Rogan-Lyons from the building consultancy team has been promoted to associate director.

KEBBELL HOMES



Leading house-builder, Kebbell Homes has promoted one of its loyal employees as the demand for quality new homes across the country continues to rise. Stephen Russell, originally from Redcar in North Yorkshire, has been promoted to Contracts Manager after 19 years with the company. Stephen first began his career in the housebuilding industry as a Building Technician for a family-run firm.

ORIGIN HOUSING

Housing association Origin Housing has promoted Jon Foster to Head of Community Development. Jon joined the team he will now be leading back in August 2014 as Customer Engagement Co-Ordinator. In his 18 months on the team, Jon has overseen some of Origin's most highly-commended community schemes, including Settle, a pioneering programme that aims to support homeless young people in developing skills for independent living. Additionally, Jon created the 'Origin Hive' network which changes the approach Origin takes to engaging with residents and customers to improve and design services.

KNIGHT FRANK

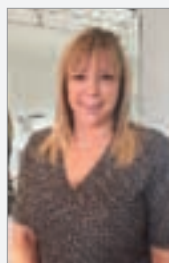


Knight Frank has appointed Roger de Boehler as partner in the Building Consultancy team. Roger has over 35 years' experience gained from most commercial property sectors. He previously founded the strategic property consultancy and asset software business lines for GVA, and more recently was CEO of the international PISCES and OSCRE e-commerce Industry Standards Body.

PDW

Housing and development consultancy, Project Development Workshop Ltd (PDW) has appointed Janet Coulthard as a sales co-ordinator to its Warrington team. Janet, who joined the team in January 2016, will be responsible for the co-ordination of house sales on behalf of PDW's housing association and local authority clients. In her new role, Janet will be involved in every step of the buying process from dealing with initial sales enquiries to liaising with the buyers' solicitors and mortgage advisers. PDW also provides a completion and after sales service which Janet will also be responsible for. Janet joined the consultancy from Gascoigne Halman Estate Agents after 18 months as a sales negotiator.

PERSIMMON



Anita Fincham from Harlow, with a wealth of experience in the housing industry, has landed a new job with one of the country's leading builders. Anita has been appointed sales manager at Persimmon Homes Essex. The 45-year-old will manage house sales at new Persimmon developments across the county. Anita has more than 15 years' experience within the industry. Persimmon Homes has developments across the area, including at The Drive in Romford and Hamilton Gate in Frinton-on-Sea.

TENDERSPACE

TenderSpace, the newly launched web based suite of tools which helps anyone involved in property or construction to find the right resources for projects, is pleased to announce that it has appointed Mike Jeffries to the role of Non-Executive Chairman of the Company with immediate effect. Mike Jeffries brings to TenderSpace a wealth of experience in the property and construction sectors. He is a qualified architect and has in-depth knowledge of construction and support services. Mike was previously Chairman and CEO of WS Atkins, a leading planning, project management and consulting services company. He is a passionate advocate of the need for greater transparency in the industry. Mike has extensive Board level experience.

DEVELOPMENT SHOWCASE

Hightown's shared ownership development is inspired by New Town heritage



An imaginatively designed development of homes in the heart of Hemel Hempstead, soon to be offered for shared ownership sale by Hightown Housing Association, will be giving local families a much-needed opportunity to get on the housing ladder.

Hightown Housing Association's Park Lane development, which is just behind the Marlowes Shopping Centre, will include 15 two and three bedroom homes.

The design of the homes has been inspired by the idealism of the housing built in the late 1940s and early 1950s when Hemel Hempstead was one of the first generation of Britain's new towns.

When the plans for Park Lane were in their early stages, Hightown's Development Director George Edkins took photographs of the first

new town districts in Hemel Hempstead including Adeyfield, Highfield and Warners End to help in the design work.

Homes in these communities include a number of decorative features, such as diamond pattern gable brickwork and curved copper porches, which architect Peter O'Rourke, Associate Director of McBains Cooper, was able to incorporate into the Park Lane design.

George Edkins explained: "We wanted to pay homage to the dreams of the early post-war developments, and the first neighbourhoods of Hemel Hempstead show simple and honest suburban design that have stood the test of time.

"I was also aware from family holidays in Norfolk of the work of the Lowestoft partnership of Tayler and Green, who built nearly 700 council homes in the county. They are all of

exceptional design quality and quite exuberant in their use of decorative brickwork.

"So we decided to create patterned gables, as well as adding some quirky Norfolk features – after all, social housing shouldn't be boring! I'm delighted we've developed a distinctive development that will also help people who are priced out of the local housing market".

The houses will become available for shared ownership sale before the Spring, giving people an affordable way to buy their home by purchasing a share in the property and paying rent on the remaining share.

People normally buy between 50 and 75 per cent of their current market value, but Hightown will help them work out what share they can afford. Shared owners can buy further shares when they can afford it, until they eventually own their home outright.

Let's make an entrance

Contemporary aluminium entrance doors



RKDOORSYSTEMS

Get an 'Excellence' door from £1595 +VAT



Choose from a stunning range of styles, from ultra-modern to traditional designs, with U Values from 0.92W/m²K to 0.72W/m²K. Unlike timber doors, ours are guaranteed not to warp, bow or expand and so avoiding costly call backs.

Call 01872 222300

Email info@rkdoorsystems.co.uk

Design your door at www.rkdoorsystems.co.uk

DEVELOPMENT SHOWCASE

Crest Nicholson and the Starr Trust selected for £200 million redevelopment of King Alfred site in Hove

Crest Nicholson, in partnership with the Starr Trust, has been selected by Brighton and Hove City Council for a £200 million redevelopment of the King Alfred site on Hove's seafront.

The scheme will include a modern public sports centre costing around £40 million, a development of 560 flats – 20 per cent of which will be affordable homes – as well as community facilities and commercial space.

In a decision overseen by councillors from all parties on the King Alfred Project Board, Crest Nicholson and the Starr Trust were selected following a year-long competitive dialogue with specialist council officers.

Under the current plans, the existing 1930s sports centre will be demolished and replaced with modern public sports facilities including three swimming pools, eight badminton courts, a 120 piece gym, a gymnastics centre, café and crèche as well as a martial arts dojo.

Plans also include a development of around 560 flats in four main blocks, the highest of which will be 18 storeys. The sale of these flats will partially fund the development of the new leisure centre. Around 20 per cent of these homes will be affordable, for either rent or shared ownership. The private units will comprise properties for sale and the private rented sector.

Duncan Innes, Regional Development Director at Crest Nicholson, said: "We're delighted to have been selected by Brighton & Hove City Council, along with our partners the Starr Trust, to deliver the King Alfred Leisure Centre in Hove. Our proposals incorporate world-class leisure and community facilities set to benefit local residents, together with outstanding new mixed tenure residential properties in this enviable location on the Hove seafront. We look forward to working closely with the council and the wider local community to bring our proposals to life and deliver new investment and vitality to the local area."

A planning application is expected to be submitted, with architects Haworth Tompkins and LA Architects, in early 2017 following a planning consultation exercise in the second half of 2016. The first phase of the development, including the new public sports centre, could be open as early as 2020.



Nationwide Windows has been providing **high quality design, manufacture and installation of windows and doors** to the new build sector for **almost 30 years**.



FENESTRATION PARTNERS

to the UK's house builders and developers

WITH US YOU CAN BE SURE OF:

- A new build turnkey solution, taking control of the process from start to finish
- Guarantees for that all-important peace of mind
- On-site training for sub-contractors and site agents where installation is not required
- Scheduled delivery and packaging of products to reduce damage, theft and waste
- Your build programme being kept on schedule and within budget



Tel: **01788 569 228** | Fax: **01788 546 558**
Email: **enquiries@nationwidewindows.co.uk**
www.nationwidewindows.co.uk



Nationwide Windows | Nationwide House | 74-88 Somers Road | Rugby | Warwickshire CV22 7DH

CASE STUDY

Hulme Hall – a seamless selection of renovated and brand new homes

Cheshire based restoration specialists PH Homes has won multiple awards for its renovation of the 15th century Hulme Hall, in Cheadle Hulme. With the oldest part of the hall dating back to 1419, Hulme Hall is one of the few remaining grand homes in South Manchester and has been home to many influential families over the generations.

Working with Architects Core Design UK, PH Homes has converted the former care home, grade II listed hall into three family homes and built a further 11 new homes around a central courtyard. The sensitive restoration has also helped deliver beautiful original features including stained glass windows depicting Shakespearean scenes and ornate fireplaces.

The new homes development has respected the building's history but removed and sensitively replaced inappropriate modern interventions. A recent addition to the care home establishment, a former social services facility to the rear of the site, has been demolished and replaced with the 11 new build homes.

Site challenges

Hulme Hall and the adjoining buildings have been in use as a residential care home for many years but when PH Homes acquired the site they were vacant and falling into despair.

Hulme Hall itself is a large, two-storey single house dating back to the 17th century with extensive additions built during the 19th and 20th centuries.

The renovation and new build project therefore comprised of working within a 2.27-acre site that was divided into distinct areas. The front element of the site was occupied by a group of buildings related to the listed Hulme Hall, and to the rear of the site was the two-story, social services building.

Between the two discrete buildings was an open area, which would have previously been the hall's garden.

The PH Homes proposal for Hulme Hall



involved the demolition of the existing, unattractive social services building and its replacement with 11 new homes around a courtyard. Hulme Hall was to be converted into residential accommodation comprising of three self-contained homes.

From a construction perspective the best solution for the listed building was to convert it into a single dwelling. However, this was not a commercially viable solution. PH Homes had to consider a multiple unit solution. The building could be subdivided either horizontally into apartments or vertically into houses. The constraints of the building's walls, doors and other existing features, including windows also made the allocation of space into commercially acceptable apartments very difficult.

The final decision satisfied commercial requirements, construction challenges and listed building and planning constraints.

It was considered that the vertical subdivision of the building was the preferred option. This was due to the challenges of creating acceptable levels of soundproofing and fire protection between potential apartments. Also, this option worked more effectively with the new services that would have to be built into a horizontal sub-

division. The horizontal option's necessary installation of a new lift and staircase servicing the floor levels would also have been very invasive and difficult to achieve.

The horizontal division of the building would have also resulted in the splitting of the existing, large feature rooms, which would have compromised their scale and proportion. A vertical subdivision enabled PH Homes to retain the existing principle rooms in their original form and still create commercially viable properties.

It was also clear that a vertical subdivision of the building would enjoy the twin benefits of being easier to construct and have less impact on the fabric of the listed building. This also made planning more straight forward.

The plan for the listed Hulme Hall was therefore to subdivide the building vertically into three homes - Vernon House, Bagilegh House and the Moseley House.

A planning application for this form of development was subsequently submitted and approved.

Sympathetic conversion

The listed Hulme Hall building has square panel box framing with later header bond brick additions and period details. These included a stone plinth, first floor overhangs with covered jetties and ovolo moulded bressumer, and decorative gables.

The main focus of conversion was based on renovating and restoring the building's existing fabric in the most sympathetic way possible. Rotten timbers in the oak frame were cut out and new ones spliced in, and panels of wattle and daub painstakingly repaired. Rusty cast iron down pipes were restored or replaced, and a chimney with its inglenook bay was uncovered and restored.





The modern social services, two-storey extension was demolished and replaced by 11 new mews style homes, designed to adopt a style more sympathetic with the older buildings and built using materials that match those used in the hall.

The space between the buildings has been laid out as an attractive landscaped space, which ensures that the new properties are discrete from the historic building.

A summerhouse was also rediscovered in the grounds and renovated for the use of residents.

Interiors

The interior layouts of the building were designed to avoid the need for additional partitions and the subdivision of existing rooms whilst retaining important features including the staircases, fireplace and inglenook bay.

Following the careful removal of all the modern fixtures and fittings the next step was to

secure the structural integrity of the building. The ancient oak frame had to be reinforced with structural steel work and the decorative plaster ceiling was stabilised.

The original building had evolved over the years and reflected elements of building and construction methods from different historical periods. These ranged from timber oak framed sections to Victorian and later twentieth century additions. Each element had to be treated differently.

Existing Victorian sash windows could be replaced but the metal-framed leaded windows in the timber frame section could not. These windows had to be refurbished and secondary glazing introduced.

The building's unique stained glass window depicting various Shakespearean scenes had to be carefully renovated and restored along with the existing fireplace, which was also retained and brought back into use. Specialist plasterwork



contractors were also appointed to repair and replicate existing cornices and new features were carefully designed to match the historic fabric of the building.

In contrast the new fixtures and fittings were contemporary with high gloss kitchens and sleek designer bathrooms featuring the latest Roca sanitary ware and large format ceramic tiling.

A winning format

Joint winner of last year's Sunday Times British Homes' 'Conversion, Restoration or Refurbishment of existing Building' category and picking up the Silver Prize for 'Best Renovation' at the What House? Awards Hulme Hall is collecting an impressive haul of awards.

Commenting on the development's success Managing Director of PH Homes, Phillip Hughes said: "Winning these awards is testament to the commitment and hard work of the team who delivered the stunning renovation of Hulme Hall. The awards demonstrate the quality and care, which has gone into this sensitive renovation of a centuries old building that is part of Manchester's heritage.

"With Hulme Hall being such an historic building, we were absolutely committed to ensuring the preservation of the stunning original features of this 15th century building. With this in mind the interior and exterior refurbishment was designed to retain the unique character of the property."

Beal Homes teams up with Sky

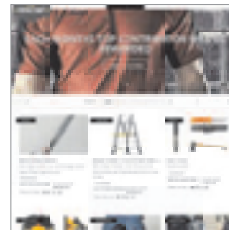


Sky is working with Beal Homes to offer market-leading services to new owners on its prestigious 'The Swale' development in Gainsborough, Lincolnshire. Beal is currently completing a first phase of 36 homes at The Swale. From this month, Beal Homes will be marketing homes with the benefit of the Sky package, which includes 12 months free Sky TV,

broadband and calls. Homebuyers can enjoy access to Sky from the moment they receive their keys, removing any of the administration hassles or inconvenience associated with organising installation.

08442 411 335 sky.com/communalTV

MyCrowdCraft – improving the working day



The Hultafors Group has always had a close connection with what tradesmen and women are thinking and doing at work, talking to them and working with them to get the job done more effectively. Now the relationship is becoming even more tangible through the launch of a new online community – MyCrowdCraft – in which Hultafors is continuing its mission

to make sure craftsmen get the most and best out of their workday. It's a wholly interactive forum where news and views can be discussed and exchanged. The month's best idea or discussion topic will be recognised and rewarded with prizes.

Enq. 110

Become a TTA awards sponsor in 2016



There are superb sponsorship opportunities available at this year's The Tile Association Awards. These will enable companies to get pride of place for their brand at the tiling industry event of the year. The Awards are to be held on Saturday 14 May at St John's Hotel and Conference Centre in Solihull. They will recognise the cream of the industry's

people, projects and products across 18 categories, in the course of a gala evening of celebration and entertainment. This year in an exciting twist the Awards Night has an exotic Brazilian carnival theme.

0300 365 8453 www.ttaawards.com

Enq. 111

Dickies have 2016 covered



Dickies will be introducing a number of exciting new products and ranges for 2016. Dickies is focusing on its new ED24/7 trousers, which were launched late last year. Made from 245gsm fabric ensures they are tough but light enough to retain agility. Also new are the Eisenhower Premium shorts which follow the popular Eisenhower premium trouser. Following on

from the popular two tone range is the two-tone high visibility range, which includes a jacket, hoodie, trousers, t-shirt and waistcoat. Lastly is the Dickies Preston, which is a steel-toe cap boot with steel midsole.

01761 419419 www.dickiesworkwear.com

Enq. 112

Net **zero** running costs
by design



Lomax Builders Ltd breathes new life into Victorian School

Built in 1897 for £3000, St Marks Boys School in Hall Road, Norwich has been quietly refurbished into eight stunning energy efficient apartments by Lomax Builders Ltd

Using Minus7 technology, Lomax Builders have been able to provide low carbon heating and hot water to tenants at minimal running costs, enabling them to charge a reduced price for heat and create an additional revenue stream.

Meeting the highest environmental and sustainability targets

Discovered at Ecobuild by David Lomax, Minus7 is an award-winning building integrated technology made up of three parts: An energy collecting roof, a solar energy processor and thermal stores. As the solar thermal tileplanks work with conventional roof construction methods, they blend in seamlessly and there is no need for ugly bolt-ons or expensive back up systems.

Weighing 27 kilos per square metre – the equivalent of Welsh slate – two areas of the roof have been replaced with Minus7 tileplanks in slate grey. A total area of 93.6m² has been covered with an output of 64 Kilowatts peak. Three thermal stores holding 12,000 litres of water have been completely hidden under an area of decking in the courtyard.

AIR EXPERTS

Vortice ventilation systems
create a healthy home



TALK TO VORTICE AIR EXPERTS NOW!

01283 492949

sales@vortice.ltd.uk
www.vortice.ltd.uk



Enq. 113

Vent-Axia receives double nomination



Leading British ventilation manufacturer Vent-Axia is delighted to announce it has been shortlisted in two categories in the prestigious H&V News Awards 2016. The Sussex-based company is celebrating its Sentinel Kinetic 200ZPH mechanical ventilation with heat recovery (MVHR) unit reaching the final in both the Air Movement Product of the Year and

Domestic H&V Product of the Year categories. Vent-Axia's 200ZPH is a ground-breaking product that is both efficient and effective, and can transform the indoor environment of a home.

0844 856 0590 www.vent-axia.com

Enq. 114

Innovative Ecodan recognised with awards



The innovative and pioneering Ecodan range from Mitsubishi Electric has once again received industry recognition by picking up two awards at the coveted National ACR and Heat Pump Awards in Birmingham. Securing both the Heat Pump Product of the Year, and the Remote Energy Monitoring Award, the latest enhancements to the line-up have

been well received by the market and continue to ensure that Mitsubishi Electric leads the way in domestic and commercial heat pump technology.

01707 282880 www.ecodan.co.uk

Enq. 115

Zero net carbon by design



The distinctive Victorian character of St Mark's boys school has been retained whilst meeting the highest environmental and sustainability targets.

Appealingly simple for tenants

Available to rent from £875 - £1100 PCM, all apartments have been quickly filled with happy tenants who have not noticed anything different about the way the system works as a standard timer and thermostat controls it.

While the modular nature of the technology ensures that heating and hot water demands can be met 100 per cent of the time, remote monitoring services provides complete transparency of the energy generated, used and stored. It also allows the Minus7 after-care service team to proactively ensure the system is working as efficiently as possible, without disrupting tenants.

"With so many choices on the market, it's hard to know what you're getting" said David Lomax "but Minus7 have been really good, when people ask me, would you use them again? I say yes!"

Interestingly, David and his team have been so impressed with Minus7's system performance and customer care that they are now waiting to start their next development in order to utilise the next generation of Minus7's technology.

Launching latest innovation at Ecobuild 2016

Already designed to harvest thermal energy day and night efficiently at temperatures as low as Minus 7°C, the latest innovation will go even further. A new composite design of Minus7 solar endothermic tileplanks will embed photovoltaic technology without compromising their appearance.

This latest innovation makes the most of valuable roof space, maximising the output of the system per square metre, allowing Minus7 to offer a zero net carbon solution with zero net running costs, by design.

Zero net carbon; zero net running costs by design:

Minus7 have recently obtained capital investment to expand the core team to 15 employees and create the next generation of the technology. This will be demonstrated at stand E1240 at the Ecobuild exhibition at the ExCel Centre from 8 - 10 March 2016. Minus7 will also be unveiling the latest heating revolution offering Net Zero running costs and ZERO net carbon by design.

01983 282844 www.minus7.co.uk

ecobuild stand no E1240

Enq. 116

Norbord announces £95m reinvestment



Norbord announced a £95 million modernisation and expansion of its oriented strand board (OSB) mill in Inverness. The investment will upgrade the mill to continuous press technology and nearly double its production capacity, positioning it to meet growing demand for OSB in markets across the United Kingdom and Europe, as well as securing

the long-term future of its employees and the indirect jobs it provides across the region. OSB is an engineered wood-based structural panel designed for construction and other industrial uses, as well as for DIY use and in speciality products like furniture.

Enq. 117

Vectaire units for prestigious developments



ecobuild stand no E2202

Vectaire heat recovery units are to be installed in two prestigious London building projects. EVO250DCs will be fitted into dwellings in the new Battersea Reach development, and Midis and Maxis are to be installed into the Kings Cross T1 Building. All units have energy efficient EC motors, providing an effective, low energy, low running cost solution to controlling condensation and pollution. All of Vectaire's energy efficient range of products - including the new Midi Lite and ELP2204 - will be displayed on Vectaire's stand E2202 at Ecobuild.

01494 522333 www.vectaire.co.uk

Enq. 118

Emmeti showcasing new Gerpex MLCP at Ecobuild



Emmeti is delighted to announce that it is exhibiting at Ecobuild for the first time this year, showcasing its new innovative Gerpex Multi-layer Composite Pipe (MLCP) product range alongside its existing Heating controls, Underfloor Heating, Wall Hung Radiator and Sanitary Manifold systems. Gerpex MLCP is the optimum solution for modern building projects, offering all of the advantages of both plastic and metal pipes combined with excellent value for money and peace of mind. The pipes internal aluminium layer provides rigidity, form retention and a solid oxygen barrier to prevent internal corrosion of heating system components. Gerpex pipe has low expansion characteristics and so can be included in building designs in the same manner as copper. The flexibility of the pipe, together with the use of Gerpex press fitting, can save up to 70 per cent on installation time. Gerpex can be used in a wide range of applications, including sanitary systems and heating (wall hung radiator and underfloor heating). The pipe is fully WRAS approved and available in a range of sizes from 16-63mm making it ideal for both domestic and commercial applications. For more information please visit Emmeti at Ecobuild on stand E3210.

01993 824900 www.emmeti.co.uk

Enq. 119

Visit us at
Ecobuild 2016.
Find us
on stand
No: E2290

MEET THE NEW FAMILY ON THE BLOCK

Introducing the next generation of heat recovery systems

Joining EnviroVent's extensive range of whole house heat recovery products are the energiSava 300 & 400 units and the ultra low-profile Slimline 150 & 300 range.

With constant volume technology as standard and exceptionally high performance, these offer utmost ease of installation and peace of mind that the commissioned airflow will always be delivered.



Reader
Enquiry
120



Improves indoor air
quality to create
an ideal indoor
environment



High efficiency
products to help
reduce energy bills



Exceptionally low
noise levels



Summer bypass as
standard



Scan to find
out more about
our range of
heat recovery
systems



SCAN ME

0345 27 27 810
envirovent.com



Future generation housing to come under the spotlight at Ecobuild 2016

Some of the most influential and outspoken names in the UK housing industry will present their visionary and powerful opinions at Ecobuild, the UK's largest show dedicated to construction and energy

The show will provide housebuilders and developers with access to the very latest, invaluable industry insights, trends and projections relating to all aspects of the profession through a mix of a high-level conference, CPD-accredited learning hubs and more than 800 exhibitors showcasing a wide range of new products, materials, solutions and services.

Day one of Ecobuild 2016 is the show's dedicated Homes day and explores the most pressing, divisive and important decisions the industry must take to deliver comfortable, efficient, resilient places and homes. Among the key questions to be addressed is 'What do new-build and retrofitted homes and communities need to deliver, and at what cost?'

Attracting more than 40,000 industry professionals from across the whole supply chain each year, Ecobuild is the leading exhibition and conference for the UK construction and energy market. The 2016 event will see an evolved proposition for the event to focus on areas of industry growth and market priorities such as housing, infrastructure, next generation innovation, technology and people.

"Day one of Ecobuild 2016 is the show's dedicated Homes day and explores the most pressing, divisive and important decisions the industry must take to deliver comfortable, efficient, resilient places and homes"

Examining future housing needs

The backbone of Ecobuild's Homes day is provided by a provocative and controversial conference programme that covers property issues ranging from the need for high quality volume housing and commercial viability of ultra-low



cost and low energy homes, to the challenges of refurb and retrofit.

The programme embodies state of the art design and construction, leaving no stone unturned to establish what our future housing needs are and what can be done to deliver it.

Chaired by broadcaster Cathy Newman, speakers include Tony Pidgley, Chairman of Berkeley Group; David Sheridan, Chief Executive of Keepmoat, and Rowan Moore, Architecture Critic for the Observer. All three will provide a unique and inspiring look at what makes good housing.

Professor Phil Jones, Chairman of Architectural Science at Cardiff University, is another of the day's dynamic speakers. Prof Jones led the team which developed SOLCER, the UK's first purpose-built, low-cost energy smart house which is capable of exporting more energy to the national electricity grid than it uses. The

property was built for a mere £100,000. Prof Jones' teaching and research activities cover a range of subjects in the field of energy use, environmental design and sustainability in the built environment.

With each session designed to give a glimpse at the future of housebuilding and home creation, Colin Usher, director of John McCall Architects, provides a presentation on "Living for Tomorrow", in which he offers common sense solutions to low-energy, cost-effective future living. In 2014, John developed a house which runs on a utilities bill of just £15 per year.

Adhering to the theme of future housing performance and how the UK industry can work together to deliver it, Timothy Wates, Director of Wates Group, offers his intriguing view on what form the next generation of housing will take as part of a talk on the challenges of refurb and retrofit.

Continued overleaf...



Green challenges posed by UK-GBC

The UK Green Building Council (UK-GBC), Ecobuild's lead partner for 2016, will be addressing the future of the built environment.

Following the agreement of a new global deal at the recent climate conference in Paris, UK-GBC will be explaining the role the private sector can play in helping ensure the pledges made are delivered.

UK-GBC Chief Executive Julie Hirigoyen will also pose five future challenges for the construction industry on each of the three conference days to a panel of industry leaders and future leaders, inviting them to respond with practical ideas on delivery.

UK-GBC will also provide more bite-sized 'SPARKS' content at the UK-GBC Lounge.

Ecobuild's essential educational offering

Ecobuild 2016 will feature six CPD-accredited learning hubs; Building Performance, Design, Energy, Build circular, Infrastructure Revolution and Digital Building. A highly-provoking seminar programme, it will provide visitors and exhibitors with the know-how to do their jobs better and the business case to help them make more informed decisions to address these challenges.

The programme will be delivered by industry leading figures and organisations including Architype, Glenn Howells Architects, Marks & Spencer, British Land, Jones Lang LaSalle, BRE, Zero Carbon Hub and Willmott Dixon Energy Services.

Architecture and Next Generation

Ecobuild 2016 will focus on two further streams after the opening Homes day. The second day looks at Architecture, exploring the changing role of the architect, the importance of architecture across the built environment, the need for change and some of the most interesting and inspiring architectural projects.

Day three is devoted to Next Generation and looks at how smart technology, changing demographics and wellness will drive design and construction in the future as well as how we will address the skills gap and attract young talent to the industry.

These streams are supported by a number of initiatives, including SMART @ Ecobuild, an area dedicated to exploring how smart technology is forging an ever-closer and controlled relationship between people and the environments we inhabit.

Driven by ever-increasing demand – with the global market for smart building technologies forecast to triple to £14 billion by 2019 – SMART @ Ecobuild places the latest technological advances in the hands of visitors.

The shortlist for Ecobuild's Big Innovation Pitch 2016, an initiative in partnership with Marks & Spencer to unearth innovation across the design, construction and energy sectors will be on display at the DISCOVER bar.



Each of the 15 shortlisted entries has been validated by a panel of judges and is vying for the opportunity to win a contract with M&S and roll their product/solution out in stores across the UK.

Just five finalists from this group will be invited to make a final pitch to the judges, including Chris Marney, Head of Engineering and Energy at M&S, in a special conference session hosted by Rachel Riley from the Gadget Show and Countdown on day three of the conference, before the overall winner is announced.

Reflecting the construction industry, Ecobuild is constantly evolving; ensuring that it continues to provide relevant, dynamic content and create opportunities to make new connections.

Housebuilders and property developers will find a wealth of specialist support and solutions – and much more besides – at Ecobuild 2016.

Ecobuild 2016 is co-located with Resource, the leading resource efficiency event, both taking place from 8 to 10 March at London's ExCeL. For more information please visit www.ecobuild.co.uk



QuanTec HR28C Possibly the most efficient boiler

See us at Ecobuild on Stand E3244

Johnson & Starley
sustainable solutions
under one roof
HEATING / HOT WATER / VENTILATION

Providing an efficiency level never reached before (98% in DHW mode) and giving substantial energy savings (<25% in gas consumption) the **QuanTec HR28C** is the occupiers and installers choice

ErP

Features

- Integrated 5000W
- Gas savings of up to 25%
- 5 Year Guarantee
- 2700 Modest Modest

Call us for more information 01604 762881
Or visit our website
www.johnsonandstarley.co.uk

ecobuild stand no E3244

Enq. 121

Verifiable performance.
Thermal break technology you can trust.



No need to compromise on performance, quality or service. Schöck products meet full compliance with relevant UK building regulations, are BBA approved and LABC registered. Thermal performance is independently verified by the Oxford Brookes University and the Passivhouse Institute. For more information on our range of products visit www.schoeck.co.uk

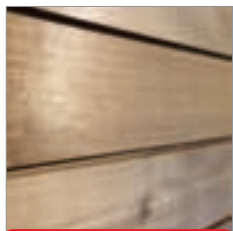
Schöck Isokorb®

Schöck Ltd. | Staniford House | 4 Wedgwood Road | Bicester | Oxfordshire | OX26 4UL | Tel: 0845 241 3390 | www.schoeck.co.uk

ecobuild stand no E3060

Enq. 122

Vastern Timber Brimstone debut at Ecobuild



ecobuild stand no E6131

Vastern Timber will be exhibiting at Ecobuild 2016 and will be unveiling Brimstone, the first commercially available thermally modified British timber. Sourced exclusively from English and Welsh woodlands, the Brimstone range is ideal for cladding, decking, external joinery and furniture, and includes thermally modified ash, sycamore and poplar. The product is a material of exceptional stability, durability and aesthetic uniformity. To view the new Brimstone thermally modified timber range, visit Vastern Timber on stand E3161.

0800 135 7013 www.vastern.co.uk

Enq. 123

Pegler Yorkshire to showcase at Ecobuild



ecobuild stand no E2250

Pegler Yorkshire, a market-leading manufacturer of plumbing and heating products, will be exhibiting on stand E2250 at this year's Ecobuild. Pegler Yorkshire will continue to promote its range of 'Connect & Control' products and solutions with an emphasis on Control and how this solution can ensure greater building efficiency. On the stand, 'Control' will focus on valves which support specifiers with their objective of delivering a more efficient building via energy and water management. The stand will also feature specific areas of interest with interactive displays to support visitors.

Enq. 124

SALUS smart home technology at Ecobuild



ecobuild stand no E2210

SALUS – one of the industry leaders in innovative heating control solutions – returns to Ecobuild with a vengeance this year, as it spearheads smart home technology in the UK. As well as showcasing a comprehensive line-up of its popular heating controls, including the revolutionary iT500 smart control, SALUS will be unveiling a new 'Smart

Home' range of connected products that will enable homeowners to run their home simply from their phone. In addition to live product demonstrations, technical specialists from SALUS will be on hand to advise on energy-efficient home heating systems.

Enq. 125

Ancon to launch new products at Ecobuild



ecobuild stand no E3080

Double winner of the Queen's Award for Enterprise, Ancon Building Products continues to expand its range of high integrity structural fixings, exhibiting its new products at Ecobuild 2016 taking place at ExCeL, London from 8-10 March 2016, on stand number E3080. Ancon will showcase its latest fixing innovations. Products on show will include the

lightweight Nexus® brick faced soffit system, a number of insulated balcony connectors and an exciting new development within the Teplo range of low thermal conductivity wall ties.

0114 275 5224 www.ancon.co.uk

Enq. 126

Wilo at Ecobuild



ecobuild stand no E2230

On stand E2230, the usual comprehensive selection of Wilo products will be available to see, including some new stars of the show, such as the GIGA B. But the emphasis this year is on the things Wilo offers to help you choose the right products – Wilo's commitment to BIM, the latest version of Wilo Select – Wilo Select 4 – the latest version of this helpful online tool for specifiers and designers, and the now warmly welcomed Wilo Assistant app which can be downloaded for free via the App Store. Drop onto the Wilo stand for the usual warm welcome.

01283 523000 www.wilo.co.uk

Enq. 127

New generation thermal breaks



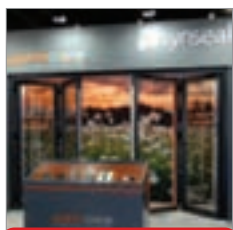
ecobuild stand no E3060

Schöck is featuring two new generations of thermal break units – for balcony and parapet applications – on Stand E3060 at Ecobuild. The latest Isokorb type KXT has 25 per cent improved thermal insulation over the previous generation and is assessed as a Certified Passive House Component. Another new development is the Isokorb type AXT, which offers a cost-effective and more thermally efficient method of insulating parapets. Crucially there is no wrapping required, so it enables greater freedom of design.

01865 290 890 www.schoeck.co.uk

Enq. 128

Synseal will focus on innovation at Ecobuild



ecobuild stand no E2006

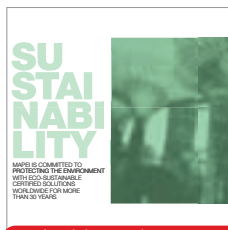
Synseal will be exhibiting for a fourth year in succession at this year's Ecobuild. Stand E2006 will feature the new Celsius Solid Roof, a truly warm and quick fitting roofing solution for new build and retrofit projects, alongside the popular WarmCore "warm aluminium" folding sliding door which delivers low U-values of 1.4

W/m²K using 28mm double glass or 1.0 W/m²K using 44mm triple glass. Following its launch in November 2014, WarmCore has delivered sales success for many companies. Synseal's exhibition team will be on hand to provide expert guidance.

01623 443200 www.synseal.com

Enq. 129

Visit Mapei at Ecobuild – stand E6030



ecobuild stand no E6030

Mapei – one of the world's leading manufacturers of adhesives and chemical products for building – will be exhibiting at Ecobuild 2016 (ExCeL London, 8-10 March), stand E6030. Mapei's commitment to innovation and sustainable development will once again be the focus of the exhibition; with the entire stand from concept to build designed with a keen eye on recycling, reusing and reducing waste materials. At the end of the event, all materials not being re-used by Mapei will be donated to local schools/charities.

0121 508 6970 www.mapei.co.uk

Enq. 130

Flowcrete showcasing at Ecobuild



ecobuild stand no E6040

On stand E6040 of Ecobuild 2016, Flowcrete UK will be demonstrating why its range of high performance resin floor finishes and sub floor screeds have been utilised by some of the nation's most high-profile developments. In particular, the resin flooring manufacturer has recently provided materials for several skyline-changing projects in the capital. One of the key reasons that Flowcrete UK has been the flooring partner for so many large-scale industrial and commercial projects is its ability to innovate and adapt to the construction industry's evolving demands.

01270 753000 www.flowcrete.co.uk

Enq. 131

Lithofin - stone and tile cleaning products



ecobuild stand no E5207

Lithofin, from Casdron, offers a comprehensive range of stone care products suitable for cleaning, protecting and maintaining any ceramic, porcelain or stone surface, including kitchens, bathrooms, patios and external stone. Lithofin MN Stain-Stop is an impregnator for natural stone, providing water and oil repellency. For regular

maintenance, Lithofin MN Wash & Clean will keep stone floors in beautiful condition. Lithofin MN Easy-Clean is for everyday cleaning of natural stone or quartz work surfaces.

01962 732126 www.lithofin-uk.co.uk

Enq. 132

ICYNENE

THE EVOLUTION OF INSULATION

tel: 01229716039
mob: 07851854860
info@uksprayfoam.co.uk
www.uksprayfoam.co.uk

THE FIRST NAME IN SPRAY FOAM INSULATION



The Icynene Insulation System is a series of soft, flexible spray foam insulation products that delivers up to 50% greater energy savings when compared to other insulation products. Icynene is perfect for loft insulation, cavity wall insulation, drylining insulation, sound insulation and more.

Icynene has been successfully tested and certified for applications directly to the underside of breathable and non breathable roof membranes and felts and recently received BBA certification for this application. Icynene absorbs the lowest amount of moisture and has the highest level of vapour resistivity of any soft foam on the market.

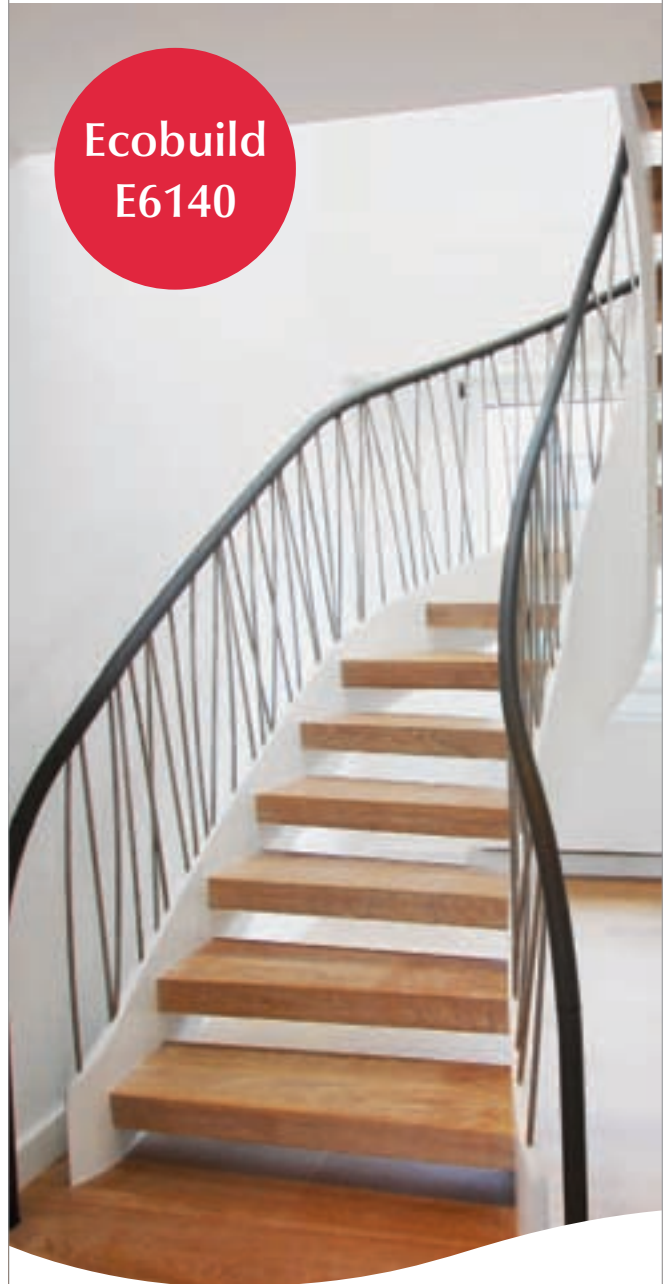


ecobuild stand no E2170

Enq. 133

bespoke STAIRS & BALUSTRADES

Ecobuild
E6140



British engineered stairs, balustrades and handrails for commercial and residential environments, installed throughout the UK & abroad. Visit our London Showroom located in the heart of Clerkenwell.

Clerkenwell Architectural Showroom
11-12 Great Sutton St. London
EC1V 0BX

Ecobuild | Clerkenwell Design Week | 100% Design

CANAL

| By Canal Engineering Limited
+44 (0)115 986 6321
www.canal.gb.com

ecobuild stand no E6135, E6140

Enq. 134



ecobuild stand no E4280

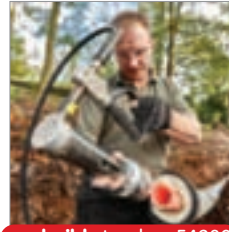
Evinox Energy to exhibit at Ecobuild

Evinox Energy will be exhibiting in the District Energy Pavilion at Ecobuild, taking place from the 8th to the 10th March at the ExCeL London. Ecobuild is the leading exhibition and conference for the UK construction and energy market. The District Energy Pavilion will provide visitors with the opportunity to meet with a selection of suppliers and industry experts all in one area, and includes a comprehensive, informative seminar programme, featuring the latest information about efficient heat networks. Visit the company on stand E4280 to find out more about our metering & billing solutions for communal & district systems, and smart control technology. It's systems combine effective HIU control with excellent after-sales end-user support and flexible metering and billing services, ensuring the building owner has a hassle-free, efficient development and residents enjoy a comfortable and relaxed place to live.

01372 722277 www.evinox.co.uk

Enq. 135

REHAU backs district heating at Ecobuild



ecobuild stand no E4289

REHAU will be part of the UK District Energy Association's District Heating Hub at this year's Ecobuild. The pre-insulated pipework specialist will be showing its market leading RAUTHERMEX and RAUVITHERM solutions in single sizes from 25mm to 160mm and in double sizes from 25mm to 75mm. These pipes are suitable for use with district heating and biomass systems and offer a lightweight, high performance and practical alternative to steel. The REHAU team will be inspiring visitors with case studies.

01989 762600 www.rehau.co.uk

Enq. 136

Cut red tape with Planning Surgery



Adrian Dobinson is an architectural conservationist of 40 years, with eight years on council planning committees. Together with an independent think-tank of professionals he monitors the increasingly confusing regulatory system. There has never been a more uncertain housebuilding market with a crying need for alternative planning permission

providers – like the successful building regs inspection service. Currently, landowners develop a concept to obtain council approval and that's when you need intelligent advice with foresight.

01373 462730 www.planningsurgery.net

Enq. 137

**You want a wide
range of pumps.
You can
trust Wilo.**



SEE US AT ECOBUILD 2016 STAND E2230



The Wilo-Yonos PICO delivers great efficiency integrating proven technology, backed by a 5-Year Warranty. You can trust Wilo.

- + Integrated LED display
- + Tool-free electrical Wilo-Connector
- + Unique pump venting function
- + Simple adjustment with pre-selectable speed stages

For more information visit www.wilo.co.uk or call 01283 523000

wilo

Pioneering for You

ecobuild stand no E2230

Enq. 138

Visit Wallbarn at Ecobuild 2016

Wallbarn is launching two new products at Ecobuild 2016 – iDecking EasyClick and its new M-Tray® modular green roof system,

iDecking EasyClick is the revolutionary way to fit top quality decking. These decking boards are manufactured with grooves on the underside, designed to fit into special mounting clips secured onto aluminium battens. Installation is simply a matter of stamping down on the boards.

No screws, no fixings and no timber joists are required. Every element is pre-measured and fits exactly. It is almost impossible to fix this decking incorrectly. Construction is up to five times faster than traditional methods.

EasyClick uses the eco-friendly DURO EXCELLENCE composite material. The boards are made from recycled rice husks which would otherwise be burnt. Therefore, CO₂ emissions and pollution are reduced. The material is hardwearing, resistant to moisture and insect damage and is extremely luxurious and beautiful.

A demonstration of the EasyClick decking system will take place on the iDecking UK stand throughout Ecobuild.



M-Tray®

M-Tray® is the next generation of modular green roof system. It is designed for extensive green roof systems, suitable for sedum and wild-flower planting schemes.

Wallbarn's new design gives more space for the roots to grow and offers optimum drainage, meaning stronger, healthier plants. The modules are easier to carry with hand grips and rounded edges, so the risk of damage is avoided. The modules clip together more tightly and securely, giving a more seamless appearance.

Installation is fast and mess-free. Nothing spills out and M-tray® can be installed in areas where roll-out green roofs cannot. One person can carry each tray easily, with often difficult-to-reach areas now accessible.



EasyClick

M-Tray® is manufactured in UK using recycled polypropylene and is the exclusive design of Wallbarn, Community Registered Design No. 002953943-0001 & US Design Application No. 29/553,129.

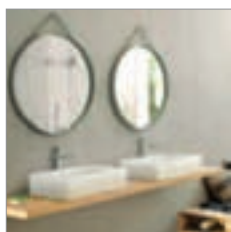
Wallbarn is officially launching M-Tray® at Ecobuild 2016. Visit the company on stands E5172 and E5174.

www.wallbarn.com
idecking-uk.com

Enq. 139

ecobuild stand no E5172, E5174

Hansgrohe extends Select technology



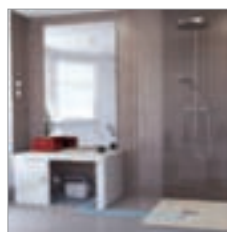
Hansgrohe extends its popular Select technology to the wash basin with its new mixer range Talis Select. The flow of water is turned on and off by pressing the Select button instead of using a conventional lever. Hansgrohe's Talis Select technology is purely mechanical and works by means of an especially developed cartridge. It controls the water temperature and turns

the flow of water on and off by turning the valve. This added convenience requires no electricity or other devices in the base cabinet. The new mixer joins the existing portfolio of Select showers and controls.

01372 465655 www.hansgrohe.co.uk

Enq. 140

A wetroom with no drainage? No problem!



Meet the Saniflo from Saniflo – a shower pump designed to pump water away from wetroom installations or ultra low-level showers – even when there is no gravity drainage and underfloor space is limited. Consisting of a two-part kit, this powerful dual-function shower waste pump can both suck waste water up from the gully and pump it up to 3m vertically and 30m

horizontally. This means the pump can be placed above the gully by up to 300mm if necessary. With flow rates of up to 25 litres per minute it is the ideal solution for contemporary bathroom environments.

020 8842 0033 www.saniflo.co.uk

Enq. 141

MIXER VALVES

3 AND 5 YEAR GUARANTEE WITH A TOTAL SERVICE BACKUP

Atmos

QUALITY PRODUCTS • SERVICE GUARANTEED

The MX Group
Tewkesbury, Glos GL20 8JF
Tel: 01684 293311
sales@mx-group.com

✓ Stylish looks, and attractively priced

✓ High performance TMV2 approvals where applicable

✓ 3 and 5 year guarantee on products

✓ Full service backup

www.mx-group.com

*Mantel Cross Limited Trading as The MX Group

Enq. 142

HIGH & DRY

THE CONCORD RAIL

No.4/11
Decorative Collection

Introducing the Aqua Series

The new Kitchen & Bathroom range from Stelrad

Combining dependable performance with designer styling, our Aqua Series offers you the best of both worlds. Choose from our Decorative and Designer collections and discover the perfect radiator for your unique kitchen or bathroom.



Our best sellers

731mm x 450mm

£227.09*

1186mm x 450mm

£287.23*

1511mm x 600mm

£358.11*

 **Stelrad** Aqua™ Series

Reader
Enquiry
143

Find out more at **Stelrad.com**

*Prices exclude VAT

Talking tiles

Martin Currell, sales director at Domus Residential, discusses the benefits of using tiles in a bathroom, the options available and the trends for 2016

There are numerous benefits with tiles: they are modern, easy to clean and compatible with underfloor heating. Crucially for housebuilders they provide a surface that is robust and that also greatly contributes to an attractive design scheme in the bathroom.

The latest design trends coming through for 2016 are varied. Geometry will remain strong with circles and triangles making an appearance, both in the tile shape and the printed designs on the tiles themselves. The industrial feel is now mainstream and this year the textures will become rougher – for example concrete tiles containing bits or more 3D texture to give a grittier or plastered appearance.

Tiles are emerging with lines that appear hand-drawn, that are artistic and imperfect. Contrasting this rustic, handmade feel, the trend for glamorous and luxurious marble is still strong. Coming soon, there will be new book-matched collections with patterns and veining joining to appear like one giant slab on the wall or floor.

“The latest design trends coming through for 2016 are varied. Geometry will remain strong with circles and triangles making an appearance, both in the tile shape and the printed designs on the tiles themselves”

In terms of size, smaller tile formats are becoming more prominent, 20cm square or less, combined with very large format tiles up to 1597x3197mm.

Housebuilders are presented with a plethora of options with a clean, white bathroom no longer providing enough of a wow factor to attract discerning buyers.

Popular currently are textured finishes which create a softer feel to the hard surface. Large formats are also favoured with less grouting, making



the space feel roomier and uncluttered. Porcelain simulations have also never been more in demand at the luxury end of the market. With the introduction of inkjet technology, the quality of stone replication is so good that porcelain tiles are replacing natural stone on a large number of luxury developments. Porcelain is easier to look after than stone and you are assured a uniform thickness, consistent colour and design throughout the development. Porcelain examples include marble, limestone, onyx and a wide variety of distinctive stones from around the world.

The tile colour is also important. Popular colours at the moment are soft muted shades of blues, greys, reds, pinks and yellows and for larger bathrooms we are seeing the introduction of coloured grouts which are used

to either harmonise or make a striking, contrasting statement.

Choosing the right material

Any bathroom surface must be hard-wearing, impervious to water and humidity, and require low maintenance, as well as being aesthetically inviting. Ceramic and porcelain are generally the most popular materials that meet all of these requirements.

Ceramic tiles are made from clay which is shaped and fired. It is lightweight and easy to cut and install, however, it is also more prone to wear and chipping than porcelain tiles.

Porcelain for use in tile manufacture was developed some years ago to overcome many of

Continued on page 39...

Croydex combines style and simplicity with smart Hang 'N' Lock storage



Maximising space is high on the wish list of every consumer. Croydex offers a solution with its stylish yet practical Hang 'N' Lock bathroom accessories. The vanity units, beauty stations, mirrors and cabinets are easy to install using the patented Hang 'N' Lock fixing system. The strong but lightweight bracket is fixed to the wall and can be adjusted using the built-in spirit level before hanging and locking securely in place.

"Fixing large bathroom accessories doesn't have to be a two man job. Croydex's Hang 'N' Lock system avoids the awkwardness of measuring distances and marking screw holes whilst trying to support a heavy bathroom item," explains Peter Pegden, Product and Procurement Director at Croydex. Croydex's collection features a mix of designs and finishes and includes the Beaulieu Vanity Unit and Mirror set. Available in either a white or light oak finish, it comes with white wave effect doors, soft close hinges and an optional LED strip light. Other options include a range of illuminated mirrors including the Cheaton illuminated mirror which can be hung either portrait or landscape and features a touch sensitive power switch and heated demister pad. For more information, visit the company's website.

Enq. 144

MX offers shower selection



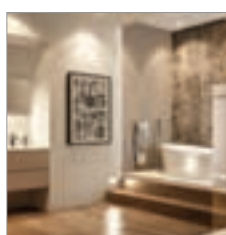
MX has developed a reputation for being a one stop shop for all things shower related and its latest range of thermostatic shower valves adds to the options available. Head to the MX website to see the selection of thermostatic and electric showers on offer, the widest range of shower trays available in the UK, along with a huge selection of shower accessories

– the choice is massive. Call the company directly or visit its website for a range of quality products, ideal for both new build and refurbishment projects.

01684 293311 www.mx-group.com

Enq. 145

Creating beautiful spaces through Synergy



The revolutionary Synergy Collection from Nicholls & Clarke has been enhanced, building on the phenomenal success of the existing range. Synergy is a series that makes it easy to combine different materials, formats, colours and elements throughout a project, with the confidence that each room can have a change of colour, trend and style, but

where all components will work beautifully together in harmony, complementing each other perfectly. The extended new collection consists of on-trend porcelains, ceramics, mosaics, glass, woods, paints, wallpaper, grouts, sealants, shower trays and furniture.

Enq. 146

Wetrooms made easy



MAXXUS
THE 3RD GENERATION WET DECK

With our featured Maxxus Wet Deck Kit (the strongest on the market), easy-to-use tanking kits or membranes, and a wide selection of drains, it's easy to install a luxurious wetroom anywhere in the home. Add on our designer grids and extensive range of stylish accessories and it's easy to find the right product for any environment. Ask for our latest Price List today!



www.wetroominnovations.com
01629 815500

Enq. 147



Norcros Adhesives offers system solution

Tile adhesive, grout and preparation products manufacturer Norcros Adhesives offers a range of solutions which can be used by housebuilders to achieve a successful result when installing a wetroom that's safe and long lasting. Manufactured from high density polystyrene, Norcros Pro Board comprises a rigid insulation core, coated with a specially formulated reinforced cementitious coating ideal for the application of tiles. Designed to create walk-in shower areas, Norcros showertrays are manufactured from a high density polystyrene core and have a reinforced cement coating that is ideal to receive a tiled finish. Norcros provides a number of options when it comes to tile adhesives suitable for wetrooms, such as Norcros Rapid Porcelain Grey Adhesive and Norcros One Part Flexible Grey. Norcros Stop Mould Flexible Wall Grout is a fine textured smooth finish grouting material for joints up to 5mm wide.

01782 524140 www.norcros-adhesives.com

Enq. 148



the technical and aesthetic shortfalls inherent in traditional clay-based ceramics. Vastly more robust (cutting requires diamond edged tools), non-porous and colour-fast, porcelain is suitable for virtually any cladding application, unlike its comparatively fragile, light bodied cousin. It is perfect for bathroom floors where items may be dropped causing damage to ceramic.

Mosaics are a great way to create a feature wall, surround or niche in the bathroom; they offering a huge array of designs, shapes, colours and imaginative mixes of materials. The reflective nature of glass mosaic is enhanced by water and other richer precious metal finishes add instant luxury making them an ideal option for bathrooms. The glass itself can also be metallic, mirrored, clear, frosted and iridescent - making for some truly unique visual effects. As well as glass, mosaic is also available in many varieties of natural stone, porcelain, ceramic, and even precious metals and natural hardwood.

With the natural look still as popular as ever, many customers are using wood effect tiles that look like floorboards but are actually porcelain tiles in a large format. However, despite the pre-conception that you cannot use wood in the bathroom, due to moisture penetration, it is possible so long as you chose a quality engineered product that has been treated with oils or lac-

quers that make it water resistant. To maintain the floor, the home-owner simply needs to mop up and remove any excess water. It is also important that the room is well ventilated so there are no excessive fluctuations in moisture and temperature – these are the same rules that apply to wood anywhere in the home. The benefits are being able to achieve a harmonious design scheme throughout the entire floor plan.

“There is an increasing desire for the wetroom look in bathrooms and here the floor needs to be completely rigid so the tiles do not move over time. Tiles are the key feature of a wetroom so the cuts and the grouting have to be perfect”

Wet wet wet

There is an increasing desire for the wetroom look in bathrooms and here the floor needs to be completely rigid so the tiles do not move over time. Tiles are the key feature of a wetroom so the cuts and the grouting have to be perfect – an expert tiler is required. 'Slim' porcelain tiles are ideal as the ultra-thin (4mm) depth makes them easier to cut and easier to create the falls down to

the drain. When using porcelain tiles on the shower floor, consider using a linear drain; the sleek modern line of the drain eliminates awkward tile cuts and also gives you a host of tile range options. Alternatively, for an uninterrupted tiled floor, look for a drainage system that sits in the wall at floor level.

Design insider tips

To achieve a minimalistic contemporary style that will appeal to a wide range of buyers, choose one tile range and specify it in two different sizes for the walls, for example a smaller mosaic in the shower a larger size for the rest of the room. Go one shade darker for the floor in a textured bush-hammered finish. You can also pick one colour and mix matt and gloss finishes for interesting light and shade reflections.

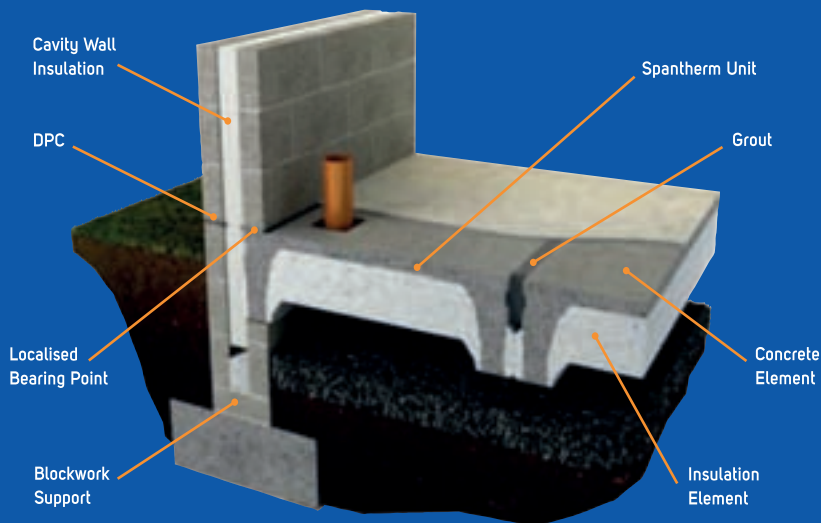
For a classic look, a monochrome design scheme is a great option that will always withstand the test of time. In addition to classic black and white, also think about mixing textures and finishes to add depth and interest to your design. Try a combination of high gloss tiles with matt surfaces, or textured tiles with smooth ones and experiment with varying shades of black and grey. Also consider black/white or grey/white marble-look tiles which add a touch of timeless luxury to a monochrome design.

Enq. 149



CREAGH

spanthermTM
Insulated Concrete Floors from Creagh



What is Spantherm?

Spantherm is a pre-insulated precast concrete flooring system designed specifically for residential and mid-sized commercial ground floors. The composite slab combines structural concrete and high performance Expanded Polystyrene (EPS) insulation to provide a superior, structural thermal floor.

Why Choose Spantherm?

- ✓ More efficient than beam and block
- ✓ Excellent thermal performance with a U-value as low as $0.12\text{W/m}^2\text{K}$
- ✓ No need for expensive storage for insulation
- ✓ Eliminates cold bridging
- ✓ Faster installation on site
- ✓ Significantly reduces on site construction time, labour and waste
- ✓ Structural sub floor ready to build off the next day
- ✓ Provides a flat, safe working platform with all insulation below the structural slab
- ✓ Install with on-site plant and machinery
- ✓ Factory produced giving consistent insulation
- ✓ Durable and robust

Reader
Enquiry
150

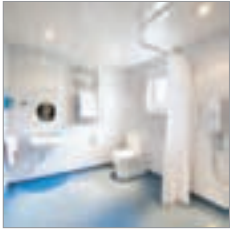


Creagh Concrete Products Ltd, Blackpark Road, Toomebridge, County Antrim BT41 3SL
NI: 028 7965 0500 - ROI: 048 7965 0500

www.creaghconcrete.com/spantherm.html



Accessible guidance



With the growing need to make homes adaptable so occupiers can remain independent, and in their own homes, new guidance is aiming to help get it right. 'Design Guidance & Considerations for a Domestic Accessible Toilet/Wetroom' has been produced and published by **Clos-o-Mat**. The white paper gives advice to ensure that all aspects affecting the

functionality and practicality of a bathroom, wetroom and toilet, as occupier needs change, are considered. For more information, please visit the company website.

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

Enq. 151

Paiova 5



Duravit's Paiova 5 bath by **EOOS** focuses solely on individual comfort. With two different backrest slopes, Paiova 5 offers the choice between an ergonomic sitting position and an especially flat reclining position – for bathing with someone else or relaxing alone. The design of Paiova 5 is the result of a symbiosis between a corner bath and a freestanding bath. **EOOS**

developed the new geometric form by taking a wall-hugging version and rotating it out into the room. Paiova 5's meticulous details ensure extraordinary comfort.

0845 500 7787 www.duravit.co.uk

Enq. 152

The pump in a cupboard with plant room power

"Arrow Booster" negates the need for a plant room

Designed to boost supply pressure for Penthouse suites and other tall buildings.

Affectuously named "Stealth Booster", this compact domestic booster set is designed to fit comfortably in a kitchen cupboard and is extremely quiet.

- Integral bypass Valve enables continued supply during maintenance or power failure
- Ideal for buildings where space is at a premium
- Quiet variable speed pump
- Factory tested ready for installation

Arrow Valves

Tel: 01442 823 123 Email: enquiries@arrowvalves.co.uk
www.arrowvalves.co.uk
 The Water Regulations Solution Specialist

Enq. 153

TeleBeam
 the unique loft conversion & flooring system

TRUSS LOFT CONVERSIONS MADE SIMPLE...

TeleBeam technology breaks the mould, allowing post 1960's trussed roof houses to be converted with a minimum of disruption.

- No specialist installation skills required
- No timber joists required
- Extendable beams fit most buildings and roof pitches
- Beams slide into roof space by removing just three rows of tiles on one side of the house
- Incorporates roof and floor support in one system, minimising loss of headroom

01380 739000 info@telebeam.co.uk www.telebeam.co.uk

Enq. 154

Ask a Sharp Question & Cut the Red Tape

We discuss things you need to know about heritage and new planning regulation reforms

www.PlanningSurgery.net

The website with intelligent foresight 44 (0) 1373 462730

Enq. 155

Ward off the worst of wet, winter weather



Developed and proven in the worst that arctic weather can deliver, **Snickers' 'Foul Weather' Winter Jacket** provides the best in protection from snow, wind and rain. It's the ultimate, no compromise jacket with hi-tech waterproof protection and Snickers' guaranteed Advanced Protection System functionality that will keep you, dry and working well when the weather's

at its worst. Snickers' Winter Jackets, Trousers and Accessories provide European Standard EN343 protection – not just the fabric but the entire make-up of the garments, ensuring outstanding functionality and working comfort however bad the weather is.

Enq. 156

Eco-friendly companies collaborate



A couple from Peebles, Scotland, have had their dream of an eco-friendly bungalow turned into a reality. Colin Cumberland, Managing Director of Eskgrove Homes worked closely with Ecoliving Limited, a renewable heating provider, to make their new bungalow as eco-friendly as possible. An Ecodan Air Source Heat Pump from **Mitsubishi Electric** was installed to

deliver underfloor heating to the house as well as all the hot water the couple need. The Ecodan takes heat from the outside air and upgrades it to deliver effective, low carbon heating and hot water in the home.

01707 282880 www.ecodan.co.uk

Enq. 157



FILANO RUST joins award-winning range

Fila has introduced a new 'trouble-shooting' treatment to its award-winning surface care range. New **FILANO RUST** is designed to remove new and old oxide deposits from a range of surfaces, including stone and ceramics. The solution has a highly viscous consistency, making it ideal for application onto horizontal and vertical surfaces, inside and outdoors – from delicate countertops and hearths, to outdoor paving slabs. FILANO RUST removes oxide tarnish from stone, marble, granite, agglomerates, porcelain and ceramic, terracotta and concrete. Its non-acid formula makes it particularly suitable for delicate surfaces, including polished marble and acid-sensitive limestone. After 15 minutes contact, the treatment turns from a clear colour to deep purple, which indicates a reaction with the rust. Excess product is then wiped off and the surface rinsed with clean water. FILANO RUST is available in 75 ml units.

01584 877286 www.filasolutions.com

Enq. 158

Beam & Block/Poly Flooring System

fpmccann.co.uk/flooring

FP McCann's Beam & Block/Poly system can be quickly installed to form a suspended floor providing a flat, insulated solid base to build from. Additionally, it helps to eliminate problems associated with soil heave and shrinkage and offers excellent sound proofing, acoustic performance and fire resistance properties.

150mm & 225mm deep t-beam available
Currently 1 to 2 week lead in period
EPS system options available
All designs to EC2

For sales enquiries, contact the Flooring Sales Team on **01335 361269** email flooring@fpmccann.co.uk

Enq. 159

Heating & Renewable Energy Supplement

HbD

This annual Heating & Renewable Energy supplement showcases the latest products and innovations from the last year



Eng. xxx

© Charlton & Jenrick
See page 46 for more

iCONstant

Clean air thinking 24/7 365

- The quietest dMEV fan available for toilet, bathroom and utility. Suitable for kitchen too.
- From just over £1.00 per year to run on trickle speed.
- You select 6, 8 or 13 l/sec plus boost with 'fine tune' adjustment of running rate.
- Constant air flow - Guaranteed to deliver installed performance.



- The only dMEV fan IPX5 rated for both wall and ceiling installs.
- SAP Appendix Q eligible.
- LED self diagnostic set up with no loss of functionality if the power fails.
- 3 Year warranty.



Call: 01494 560800
Visit: airflow.com











Enq. 301

The Renewable Solutions Provider
Making a World of Difference

Clearly an efficient way to deliver hot water and heating to new build homes




Our new Ecodan heat pump system combines market leading efficiency in hot water production, with reliable and renewable heating.


This makes it the ideal solution for new build homes where strict building regulations drive down the space heating requirement, making hot water production the dominant load. Ecodan also operates with a market leading low noise output and in-built energy monitoring as standard.

Ecodan. Clearly efficient, clearly renewable.


For further information call **01707 282880** or visit ecodanerp.co.uk/developer





Renewable Heating Technology




Air Conditioning | Heating
Ventilation | Controls

 Follow us @meuk_Jes
Follow us @green_gateway

 Mitsubishi Electric
Living Environmental Systems UK

 youtube.com/mitsubishielectric2

*Terms and conditions apply. Please see website for details.



Enq. 302



Airflow Developments has released the next generation of its MVHR ventilation units – the Duplexvent Adroit range. Ideal for high-end housebuilders and developers, these Passive House certified units are equipped with the latest smart technology that allows air flow settings to be controlled within the home or remotely by PC, tablet or smartphone. Adroit (MVHR) systems recover over 90 per cent of valuable heat that would typically be lost as part of the ventilation process. Crucially, the units are equipped with the latest technology providing homeowners with internet and WiFi connectivity for real-time monitoring.

Enq. 301



A couple from Peebles, Scotland, have had their dream of an eco-friendly bungalow with access for a wheel chair user turned into a reality. An Ecodan Air Source Heat Pump from Mitsubishi Electric was installed to deliver underfloor heating to the house as well as all the hot water the couple need. The Ecodan takes heat from the outside air and upgrades it to deliver effective, low carbon heating and hot water in the home. Mr and Mrs Lamb have also been delighted with the cost of electricity in their bungalow. For more information on Ecodan and air source heat pumps, please visit the company website.

Enq. 302



Landy Vent's Ecco Stove releases heat slowly through energy efficient heating; it creates consistent warmth for your entire home. With up to 88 per cent efficiency and just 0.07 per cent carbon production, the Ecco Stove is the ultimate alternative to a traditional wood burning stove. Landy Vent's masonry heater provides an innovative and robust option to oil and gas central heating systems. It is relatively unheard of in the UK and Landy Vent want to change that. With a range of beautiful shapes and colour finishes available, the Ecco Stove will be an asset and a long term heating system for the future.

Enq. 303



You deserve great looking, high efficiency products that are built to last and that's exactly what Nu-Flame offers.

For over 20 years Nu-Flame has brought together the widest range of both open fronted and glass fronted fires, combining the very best of British innovation, design and engineering. With Nu-Flame you are guaranteed quality, realism and efficiency. Nu-Flame has invested heavily in its own research and development facility.

For more information about the company and its products, visit the Nu-Flame website.

Enq. 304

ARE YOUR HEATING COSTS TOO HIGH?

Burn Wood Logs!

The Simple Biomass Heating Solution from ECO STOVE™

wraps your house in warmth

- > Heat through your home with 7-10kg of wood logs
- > No ducting, plumbing or electrics required.
- > Retains heat for up to 12hrs after fire has gone out
- > Payback on cost of stove can be less than 4yrs in fuel cost savings!

01527 857814

sales@eccostove.com | eccostove.com

Enq. 303

NU-FLAME

ENERGIS RANGE

- Less gas in - more heat out
- Open fronted with 79.7% efficiency

View our stunning range at **www.nu-flame.co.uk**

T : 020 8254 6802

Enq. 304

Coloured radiators from Stelrad



One of the growing trends in the radiator sector is the appeal of coloured radiators to match or contrast with décor in the home or in commercial premises. **Stelrad** is seeing many more requests for coloured radiators and much of its extensive range can be ordered in up to 35 different colours. There is a small additional timeframe for deliveries of coloured

radiators, but to be able to use colour to make your radiators a focal point in the home makes it worth it. Take a closer look at the products on offer at the Stelrad website.

0870 849 8056 www.stelrad.com

Enq. 305

Introducing the new Infinity 600BF



Charlton and Jenrick are pleased to announce the launch of the Infinity 600BF to expand the adaptable range of rear vented balanced flue gas fires it now offers. The 600BF achieves an extremely impressive net efficiency of 90 per cent from an economically modest 2.6kW input. The fire offers a great flame picture and exceptional warmth in the room. The

Infinity 600BF incorporates all the features of the existing infinity range including fully featured radio frequency remote control with thermostatic functions for premium user friendly convenience. The fire comes with a choice of three firebox liners.

Enq. 306

Wi-fi controls for Digi-Line electric radiators

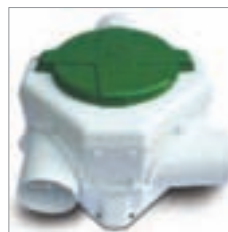


The long awaited wireless programmer for **Electrorad's** best-selling range of Digi-Line electric radiators has been unveiled. Named Touch E3, the new control hub with wifi gateway and App enables wireless control and direct management of home heating over the internet from anywhere in the world. In conjunction with an unobtrusive and easy to use touch

screen control unit that may be wall mounted or free standing anywhere in the home, homeowners can control all of the heating functions using a smartphone, tablet or PC. For more information, please visit the company website.

Enq. 307

EnviroVent secures major contract



Redrow has awarded ventilation manufacturer **EnviroVent** a major new contract for a further three years to supply its energy efficient, high performance ventilation systems for all its new homes and apartments. EnviroVent will supply its SILENT (System 1) extract fans to more than 4,000 homes per year and its OZEO Mechanical Extract Ventilation (MEV)

(System 3) to around 600 apartments, as part of the contract. The SILENT fans are suitable for wall or ceiling installations and are highly effective at solving ventilation problems in areas such as bathrooms, kitchens and laundry rooms.

Enq. 308

VARME
Floor Heating Systems

Underfloor Heating for Vinyl Flooring

- Dry Installation
- Primary Heating
- 3mm Thickness
- Smooths & Stabilises Subfloors

Featuring... **HEAT-PAK**

Our dual overlay system that gives a smooth surface to which quality vinyl can be fixed without the need to

www.varme.co.uk
0115 9864259 sales@varme.co.uk

Enq. 309

Jydepejsen Omega

Wood burning stove controlled by smartphone or tablet

- ✓ Automatic control
- ✓ Start-up function for perfect firestarting
- ✓ Technology, ease of use and design in one smart package
- ✓ DEFRA exempt

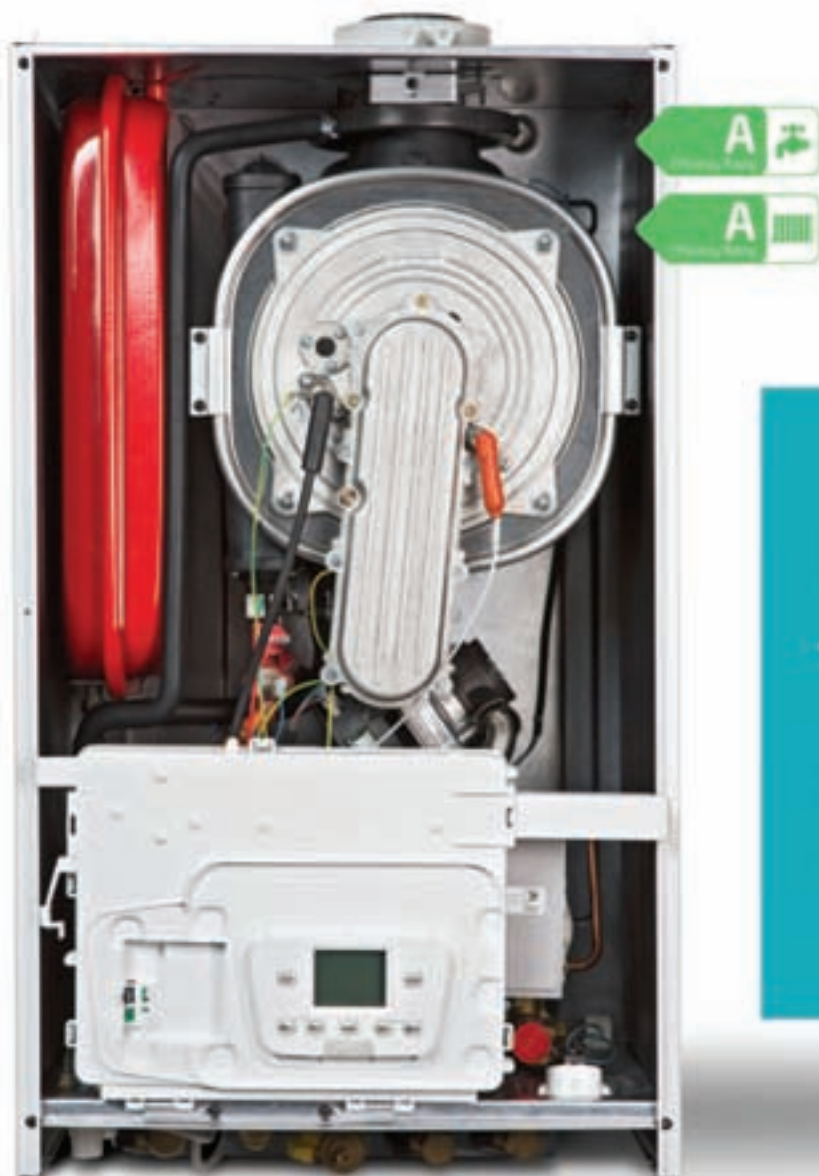
adina
HEATING PRODUCTS

Email: sales@adinaheating.co.uk
Tel: 01773 571 330
See it in action:
www.adinaheating.co.uk/omega

Enq. 310

POTTERTON

Works every time.



Better than ever.

Potterton Promax Ultra, a combi boiler with an excellent SAP 2012 seasonal efficiency rating.

The Potterton Promax range includes the Combi, Ultra, System, SL Heat and Store.

Potterton Promax Ultra

24kW to 40kW
outputs

Flueing up to 20m

Service due
indicator

Front access to
all components



Reader
Enquiry
311



To find out more
0344 871 1560
www.potterton.co.uk



Varme products are sold throughout the world via Floor Heating Systems, through a network of high street retailers. The Varme cable kit is a popular electric system for small confined areas like bathrooms or larger unusually shaped areas, while the mat system available in 150W/m² and 200W/m² is more popular for straight forward larger areas, as they can simply roll out for speed of installation. The bespoke carbon heating film makes fitting underfloor heating under laminate, carpet and vinyl quick and easy. All Varme's products are manufactured to the highest quality and are backed by its lifetime guarantee.

Enq. 309



Adina Heating Products is proud to launch the next generation of contemporary wood burning stoves. The new Jydepejsen Omega – with automatic control – combines technology, ease of use and design into one smart package. The stove is one of the first in the market to combine smart technology and the interaction with the user through the app for smartphones. The automatic control also allows better wood economy, constant easy flame and you don't even need to worry about when to refill – the stove will tell you by a flashing LED on the floor. Please visit the Adina website for more information.

Enq. 310



Manufactured in the UK using proven technology, Potterton offers a range of precision engineered boilers backed by specialist sales support to cater specifically for housebuilders and developers. The Potterton Promax Ultra Combi ErP range boasts an excellent SAP 2012 seasonal efficiency figure of 89 per cent, providing cost effective Building Regulations Compliance. The 40kW model delivers a higher domestic flow rate, meeting the needs of larger properties. Potterton offers both on-site training for contractors and year round customer support to ensure maximum performance and after-sales service.

Enq. 311



The all-new Arada Farringdon epitomises the finest of British design with innovative technology and outstanding all-round performance. Boasting impressive clean burning credentials, this stove already exceeds 2022 European Ecodesign regulations, and meets even stricter North American EPA low emission levels. With the ability to burn at low levels for more than 10 hours, this compact and super-efficient wood burning stove features exceptional controllability alongside a large fire viewing glass, clean-cut lines and a range of options to personalise installation. Visit the website for more.

Enq. 312

QUALITY FIT & FINISH





With stoves to suit every lifestyle and setting,
we make it easy to put a warm glow at the heart of the home.

For reliability and service you can trust, contact us today on **01297 35700**
aradastoves.com

Enq. 312

OMNIE

Bring your home to life.

Improved health
and well-being



Environmentally
friendly



More
comfortable
living



Complete design
freedom



More energy
efficient



Working together for a better future

Improving your health, well-being while creating a comfortable and healthy living space, as well as helping the environment and reducing the running costs of your home. OMNIE'S complimentary heating and ventilation technologies integrate into a single whole house system with controls that manage all the technologies together in a simple intuitive way.



Reader
Enquiry
313

One system, one company

Ground & Air Source Heat Pumps • Underfloor Heating Systems • Mechanical Ventilation & Heat Recovery

Create your OMNIE home at www.omnie.co.uk / 01392 36 36 05 / projects@omnia.co.uk

OMNIE
by timoleon

Intergas **Remote management**

- > Wireless communication by means of an RF module
- > More efficient planning of maintenance and service
- > Boiler data can be called up immediately anywhere
- > Manage central heating boiler status digitally
- > Maintenance on the basis of actual usage
- > Up to 240 boilers linked in a single network
- > Online web reports and charts
- > First time fix capability, any faults identified and notified by email prior to maintenance visit



To find out why installing Intergas is the reliable option, call us on

01527 888000

or visit www.intergasheating.co.uk




INTERGAS®

Reader
Enquiry
314

The smart choice for heating and hot water



When developing a new build house, it is vital that the heating technologies and ventilation system integrate together to simplify the design and installation as well as improving energy efficiency, reduce running costs and minimise maintenance issues. **OMNIE** offer a range of heating and ventilation systems, such as underfloor heating, heats pumps and MVHR, managed by a single control system. All of the technologies have been specifically designed to maximise the comfort within the home, as well as ensuring energy efficiency. Please visit the OMNIE website for more information.

Enq. 313



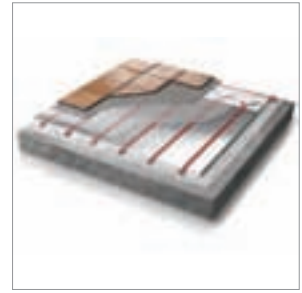
Heat pumps from **Ice Energy** are a total heating and hot water alternative to traditional boiler heating systems. Using heat extracted from the ground or the air around us, heat pumps provide an unparalleled level of heat and comfort and without being impacted by volatile energy prices. An ideal solution for both the new build and retrofit market, a further benefit of heat pumps is their qualification for tax-free, index-linked payments, issued direct to your bank account on a quarterly basis for seven years. Enjoy a warm cosy property all year round with heat pumps from Ice Energy. Visit Ice Energy's website for more information.

Enq. 316



The **Magic Thermodynamic Box** company has recently had its product The Little Magic Thermodynamic Box approved by the MCS under the new category 'Solar Assisted Heat Pump'. The product consists of an aluminium panel that can be installed anywhere on the outside of the property that works day and night to reduce the users hot water bill by up to 80 per cent. The company has won several awards for inventing and manufacturing its retro fit system. Now that the product is MCS approved, MCS approved installation companies can install it. Visit the website for more information.

Enq. 317



When specifying heating solutions for large projects, underfloor heating is a versatile option, and when choosing water underfloor heating solutions in particular, the floor height is often a restricting factor. The Total-16 system from **Warmup** has a low-build; at only 16mm thick it fits seamlessly into design plans where there is a limited allowance for increase in the floor height. You can install Total-16 directly onto both wood and concrete floors so it is perfect for projects with either type of subfloor, or a mix of both. It comprises of three modular boards – straight, return, and multi-feed, and comes with a lifetime warranty.

Enq. 318



YOUR SAFE CHOICE

REHAU Easy Heat

REHAU Easy Heat underfloor heating offers the following benefits:

- Suitable for all timber joist domestic installations
- Save up to 12% on energy costs
- No manifolds offering the homeowner freedom of design
- 75% faster heat up time

Contact us today: E: enquiries@rehau.com T: +44 (0)1989 762600

www.rehau.co.uk/easyheat

Follow REHAU Easy Heat:



Enq. 315

MAKE YOUR DREAM HOME A REALITY

Whatever the design of your dream home, Ice Energy has a total heating and hot water solution to fit. If you're looking for a system which provides complete peace of mind for you and your family whatever the weather and which seamlessly fits the design of your home, then you can enjoy a warm, cosy property all year round thanks to our award-winning range of **Heat Pumps**.

Safe and reliable, cost-effective and extremely efficient, our heat pumps will provide you with a level of heat and comfort you've never experienced before.



As heat pumps use renewable energy they also qualify for generous **Renewable Heat Incentive** payments so you can enjoy **tax-free, index-linked payments** as well as lower running costs compared to traditional boiler systems.

To find out more and request a free quotation, call us on **0808 145 2340** or visit **www.iceenergy.co.uk**

ICE ENERGY



TECHNOLOGIES

www.iceenergy.co.uk

Reader
Enquiry
316

0808 145 2340

Global UPVC delivers the perfect remedy



Over 700 high quality windows and doors were supplied and installed by local Synseal fabricator, Global UPVC, at a prestigious development on the historic Caerphilly Miners' Hospital site. All the homes have Legend casement windows and French doors. Global UPVC Managing Director Jon Dowse said: "We use only Legend and have done for over

ten years. So many of our clients keep coming back and inviting us to bid for more work that we can hardly keep up with the tenders. To me, that's the best possible commendation I could hope for."

01623 443200 www.synseal.com

Enq. 160

WarmCore's new retail brochure



Synseal has published its most expensively-produced and deluxe sales brochure since the launch of Global conservatory roof – a new WarmCore retail brochure aimed squarely at UK homeowners which is purpose-designed to help convert sales for Synseal's fabricator and installer partners. Entitled *Warm, Secure, Beautiful*, the brochure

presents the revolutionary 'warm aluminium' thermal core differentiator which is the key to WarmCore's improved thermal performance, creating a product which is warmer by design.

01623 443200 www.synseal.com

Enq. 161

oversized doors now available

steel reinforced natural hardwood doors
entrance doors
internal feature doors
garage doors
passive house certified doors
made and designed in UK

urban | front®

urbanfront.co.uk
01494 778787

10 YEARS IN THE MAKING
2008-2018

CERTIFIED COMPONENT
Passive House Standard

Enq. 162

Emperor Concealed

Innovative Bifold Doors

The Future of Bifolding Doors



Flush Handles

Clean Lines

Invisible Patented Hinges

Price Online: duration.co.uk

Call Us: 01268 681612



DURATION
WINDOWS

Aluminium Trade Manufacturer Since 1985

Enq. 163




Housebuilders and Contractors Construction Insurance Scheme

- Exclusive site based Liability and Contractors All Risks Insurance Scheme approved by Housebuilders
- Bespoke industry relevant wordings with cover enhancements
- In-house specialist Construction team
- Free interactive access to our Risk Solutions website



Scheme Policies Underwritten by 'A' Rated Insurers

For further information visit www.mpwbrokers.com

Contact our Construction team directly at construction@mpwbrokers.com

7/8 Tolherst Court, Turkey Mill, Ashford Road, Maidstone, Kent ME14 5SF

Tel: 01622 683913

Authorised and regulated by the Financial Conduct Authority

Enq. 164




Nationwide Windows' GQA announcement


Leading public sector and new build door and window supplier, **Nationwide Windows Ltd** is delighted to announce that it has become a GQA Approved Centre for training. Operations Director Daryl Cashmore explains: "At Nationwide, investment in our team is a vital part of our ongoing success. We had, for many years, worked with a third party GQA training centre for our NVQs, and when they ceased operating in the sector, we took the decision to bring our training in-house. After talks with GQA Qualifications we began the application process and – based on our technical competencies, processes, facility, equipment, health and safety, and other factors such as our CSCS membership – we are now able to offer assessment and training under the guidance of one of the industry's most recognised bodies." For more information on Nationwide Windows, please visit the company website, or contact the company directly.

01788 569 228 www.nationwidewindows.co.uk

Enq. 165



Are you doing a Building Project in 2016?



Have you thought about your Structural Warranty?

Build-Zone offers 10 Year Structural Warranties for any one doing a New Build, Development, Renovation, Extension or Conversion. Build-Zone can also facilitate any Technical Audits or Building Control survey visits you may need.

Visit the website www.buildzone.com or Call the Team now on **0845 230 9874**

Enq. 166



Tailored Development Finance with specialist perspective



Our finance facilities include: residential development • commercial development • mixed use development • conversions and refurbishments • planning gain • build to let • sales period funding

Call us today 020 7190 5555
www.utbank.co.uk

we understand specialist banking

Enq. 167

Is your supplier letting you down ?



from only
£365 +vat
per leaf



**GET A PRICE
COMPARISON
TODAY**

Lowest price anywhere

Aluminium Bi-Fold Doors



- Over 99% of orders on time & complete
- Quick quote turnaround
- Very competitive glass options
- Available in any colour, alongside stock colours :
White, Black, Grey,
Grey on White

smart
architectural aluminium

Aluminium

Visofold 1000

f /madefortrade

twitter @madefortrade1



Tel: 01642 610798
Fax: 01642 671026
www.madefortrade.co



MADE FOR

trade

THERMAL
WINDOW SYSTEMS



Let 2016 be the return of the old you.

Thermal Window & Conservatory Roof Systems Ltd can supply you with high quality products at competitive prices, and do it with good old fashioned, **1st class service, giving you complete peace of mind.**

Say no to automated ordering and go back to talking to actual people, that's the way we like it, and the way we have built our business since 2003. We make our customers feel like they are **human again.**

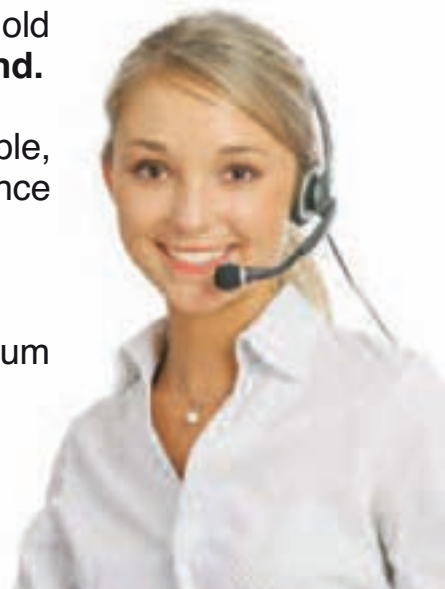
To find out more and discuss our wide range of Kömmerling Upvc windows and doors, Solidor composite doors or our Schuco aluminium windows and doors Please call our sales office on **01226 294555.**



SCHÜCO



KÖMMERLING



Please call 01226 294555
or email **info@eco-thermal.co.uk**

Fax: 01226 294777

Unit 17 Redbrook Business Park, Wilthorpe Road, Barnsley S75 1JN

www.eco-thermal.co.uk

Reader
Enquiry
169

Looking for a whitewashed floor?

Bona White is a new wood floor primer designed to produce an on-trend bleached look when used in conjunction with a Bona polyurethane lacquer. The intensity of 'whiteness' is dependent on how many coats are applied. This client wanted a whitewashed look to their original Victorian floor boards to tie in with the soft greys of the kitchen. This was achieved by the application of two coats of Bona White under two coats of Bona Traffic HD lacquer.

The works were part of a complete renovation of a Victorian town house in Bath and were carried out by Bona Certified Contractor, TWF Bath Ltd, who specialise in the restoration and fitting of traditional wood floors. Before treatment, the TWF team filled large gaps using reclaimed pine wedges and then sanded the floor to 100 grit abrasives. Smaller gaps were filled using Bona Mix & Fill, which is mixed with sanding dust from the floor to ensure the filled areas blend in with the rest of the surface. The floor was then sanded using 120 grit abrasives before the application of the first coat of Bona White. The floor was then abraded using a Bona Scrad Pad to remove any grain raising from the surface before the application of the second coat.

To produce a highly durable, easy to maintain finish, two coats of Bona Traffic HD lacquer



were applied. Traffic HD is Bona's toughest lacquer. The very low VOC content and low odour mean there is no need for homeowners to vacate their property while the works are being carried out and there is no lingering smell.

Its fast cure time means the floor can be in full use just 12 hours after treatment – making it an ideal choice for commercial floors too where there is little available downtime for renovation. TWF's clients chose the Matt version of Traffic HD for their kitchen floor. Silk matt and Extramatt sheens are also available.

As a Bona Certified Contractor, TWF Bath is part of Bona's network of highly trained wood floor specialists – independent wood floor companies who have received extra in-depth training in the use of Bona's wood floor finishing products.

For more information on Bona White or to see the full range of products, please visit the company website.

01908 525150
www.bona.com

Enq. 170

Protek Structural Warranty for Builders & Developers

FREE
Registration



New Build | Conversion | Renovation | Extension

Structural Warranty solutions for the residential development sector

Go online for more information or call the warranty team.



www.protekwaranty.co.uk | 0845 217 7059

Enq. 171

We've got all the pieces!



You make the next move!

New Handrail & Flooring catalogue out now
Offering the largest range of handrail components in the UK

Request a copy today



F.H. BRUNDLE
SERVING THE TRADE SINCE 1889

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

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

Enq. 172

Improve the build quality with glue-less flooring

Between 50-75 per cent of traditional vinyl installations in new housing developments require remedial work, which is costly to housebuilders and tiresome for home owners. However remedial work can be dramatically reduced if housebuilders opt for loose-lay rather than glued flooring, says Garry Martin, sales manager Private Sector Housing, Gerflor Limited

It is widely accepted that every new home needs to settle and gently dry out over a period of time. Small cracks appearing in walls and gaps in joinery are commonplace and completely normal for typically up to a year after completion.

Another common aspect of new buildings is the presence of residual construction moisture in floors slabs, which takes a significant amount of time to dry naturally – concrete floor slabs may take at least one month for every 25mm thickness of slab.

Moisture is inherent to concrete and even if the surface looks dry, moisture is likely to remain in the subfloor. Given considerable time the moisture should disperse but in the meantime the level of moisture rising to the surface is likely to be sufficiently high to damage an installed glued floor covering, as moisture causes adhesives to de-bond and floorings to subsequently ripple, lift, curl, bubble and peel at the edges.

As it does not make economic sense for new homes to stand empty while time remedies these issues, the application of suitable waterproof surface treatment barriers, appropriate to the relative humidity (RH) levels, offer a solution. According



to the British Standards Codes of Practice, a cementitious base must not show a reading of greater than 75 per cent RH before a floor covering is applied.

“According to the British Standards Codes of Practice, a cementitious base must not show a reading of greater than 75 per cent RH before a floor covering is applied”

However the combination of movement in new properties and moisture in subfloors is causing conventionally adhered sheet vinyl flooring and luxury vinyl tiles (LVTs) to fail as homeowners find their new floorings become defective. Sites are reporting more complaints about

flooring with between 50-75 per cent of traditional vinyl flooring installed in new housing requiring corrective work, most commonly because of rising moisture. Flooring issues are frequently on snagging lists for up to two years.

But adhered sheet vinyl flooring and LVTs remain the most popular specified choices in new build projects alongside wood, laminate and ceramic flooring. Yet traditionally bonded floorings require adhesive and smooth, flat, screeded and dry subfloors before the adhesive is applied and the flooring fitted.

As manufacturers have developed innovative, new technologies to provide fresh solutions, vinyl flooring has fundamentally improved in how it installs, looks and performs. One of the most significant innovations to come about is loose-lay, residential vinyl flooring, which can be fitted without adhesive thereby accelerating



installation times, lowering on-floor costs by up to 30 per cent compared with traditional vinyl, and reducing remedial work dramatically.

Combining fast, cost-effective installation with the benefits of top quality flooring, these floorings come in two types: textile-backed sheet vinyl, that can be typically laid in one piece, and ingenious, interlocking lock and click tile and plank system floorings, both of which eliminate lengthy subfloor preparation and do away with adhesive that halts work whilst it cures. In addition they can be fitted by general flooring fitters rather than specialist fitters whose costs can up to double the square metre price of the flooring.

Notably, loose-lay, textile backed vinyls with built-in waterproof interlayers that can tolerate up to 90 per cent RH, are a highly effective solution in damp subfloor conditions. Specifically designed to be loose-laid (up to 35 sq m), they remain stable without being stuck down, can be installed directly over concrete that is not fully dry and will allow surface moisture to disperse as the flooring is not bonded to the surface. In addition, these types of vinyl can automatically compensate for small irregularities beneath without costly and labour intensive screed and ply being applied to the subfloor. They also give a better overall finish to the completed floor as the textile backing system absorbs minor defects underneath.

The latest residential vinyl floorings have also become an aesthetic choice with better design, colour and finishes on offer as the design teams of the top international vinyl flooring

manufacturers research decorative trends and apply them to new floorings. As the design scope of vinyl is endless, it has much to offer in terms of new looks from natural woods in on-trend colours, classy mineral effects and highly contemporary patterns for both country and modern décor schemes.

“But all too often flooring is an after-thought rather than a considered part of the overall decorative scheme. However it is beneficial to include flooring in the planning process to ensure that it not only enhances the décor but also meets the specification needs of the project”

But all too often flooring is an after-thought rather than a considered part of the overall decorative scheme. However it is beneficial to include flooring in the planning process to ensure that it not only enhances the décor but also meets the specification needs of the project and the homebuyers’ tastes and requirements, improving the build quality and aiding the house purchase process through added value.

Selecting the flooring that is most suitable for where in the home it will be used will also ensure it is fit for purpose. For example, a quieter home can be made possible with the use of an

acoustic flooring of 17db or greater levels of sound insulation; extra safety underfoot can be provided by an R9 or R10 slip resistant vinyl with an easy-to-clean surface that does not trap dirt, while added thermal and cushioning can be achieved with a textile backed vinyl of 3-4mm thick.

Vinyl is essentially practical, easy-to-clean and does away with waxing and polishing, however the thickness of its wearlayer will determine its longevity and performance levels in certain conditions, helping it to stay looking good for longer.

High performing vinyl flooring should have a wear layer of at least 0.3mm but where extra wear and tear is anticipated a wear layer of 0.55mm or 0.70 mm is ideal. As decorative residential vinyls are now available with thicker wear layers they can be used in communal areas of developments, such as corridors, where previously only contract floorings could be laid. This means greater flexibility in design choices and lower installation costs as specialist fitting is not required. In addition, quality vinyls are topped with a translucent surface finish such as PU varnish to resist stains.

From an eco perspective, all vinyl is 100 per cent recyclable and vinyl flooring manufactured in Europe is BRE A+ rated. Post-use it is also 100 per cent recyclable. By adopting green policies, investing in sustainable production processes and achieving international environmental standards, vinyl flooring manufacturers can also contribute to sustainable development through total commitment to eco-friendly practices at every stage of the manufacturing process.

Enq. 173



Creating bespoke hardwood floors for the luxury home market

Ultra-Interior Limited supplies and installs bespoke hardwood flooring solutions to high end projects throughout the UK. It designs and creates both Engineered and Solid floors from species that include French Oak, American and English Oak, European Ash, American Black Walnut, Maple, English Sycamore and Elm. All of its engineered flooring options are compatible with under floor heating systems.

Ultra-Interior's choice of Oak flooring options is beautiful and functional, specialising in wide board specifications it can supply Engineered Oak boards in widths of up to 320mm and 5 metres in length. Texture can be added with various brushing, tumbling, and sawing techniques. Bespoke finishing in a range of oils and lacquers means Ultra-Interior can help you make the right choice for your project including finishes that are specifically for applications where high traffic solutions are required. The company also specialise in finishes suitable for wood flooring in kitchens that require no specific ongoing maintenance, and are particularly easy to keep clean and stay looking their best.

With a growing demand across many projects for clients wishing to match the stair material and colour with that of the flooring, Ultra-Interior is able to machine bespoke stair cladding components to achieve a fantastic design feature. In addition to stairs treads and risers it can custom machine many other joinery mouldings and apply the finishes to match the rest of the interior timber where required.

Darren Beech, Director of Ultra-Interior Limited has over a decade of experience in handling material from raw state to machining and finishing, designing and creating individual



floors, and managing flooring projects for multi-million pound developments. With a real focus on meeting and exceeding the clients expectations Ultra-Interior is a fresh young company with the experience to provide every customer with the best solution for their requirements and to stunning effect. The company has worked on complete new build developments of grandeur and quality, through to installations for more modest properties that are looking for a wow factor.

Almost all Ultra-Interior flooring is manufactured in the UK and hand finished to clients custom requirements. The company also has some products machined in Europe which enables it to offer a full range of specification options for all size and type of projects.

With trends continuously evolving, new innovative designs and finishes are constantly under development. All of its material is sourced from well managed, legal, sustainable forests and purchased responsibly.

Wood flooring can be a complex aspect of a building project, potential issues can be avoided by planning and partnering with the client and their architect and contractor early in the building stages. Ultra-Interior offer a full on-site consultation service to review and advise on everything from subfloor build-up, underfloor heating guidance, and help selecting the most appropriate floor style and type of finish. The company can also project manage your hardwood flooring requirements from initial design through to complete installation.

With a customer base that includes architects and designers, developers, and individual home owners Ultra-Interior mainly supply to high end residential projects in the UK. The company can also facilitate all the necessary certification and documents for when supplying to projects overseas.

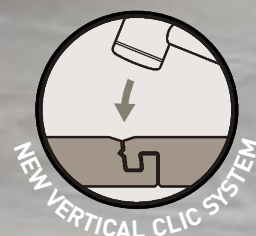
Wood has a unique range of qualities and capabilities, Ultra-Interior combine wood science and aesthetic vision to create beautiful and practical hardwood flooring solutions. For more information about Ultra-Interior or to arrange a flooring project consultation please contact the company directly.



0116 275 2791
www.ultra-interior.com

Enq. 174

Creation 55 clicsystem



TURNING HOUSES INTO HOMES

Innovative interlocking luxury vinyl tile & plank range

Creation 55 Clic System is a revolutionary LVT flooring that is fast to install, requires no adhesives and brings your interior space to life.

- Ideal for residential applications
- Quick and easy to maintain
- Tough, durable and long lasting
- Simple to cut with a craft knife
- Single tile, easy lift and replace
- Waterproof, resists leaks and spillages



PUR surface treatment
Thickness: 5mm
Wearlayer: 0.55mm
Compact baselayer
reinforced with fibreglass

*Beautiful and practical
vinyl flooring that
saves time and money*

Fast **FREE** sample and information service, contact us now

☎ 01926 622600 @ contractuk@gerflor.com 📍 www.gerflor.co.uk

Reader
Enquiry
175

Follow us on Twitter 🐦 @Gerfloruk

Gerflor
theflooringgroup

New flooring solutions for housing projects



Gerflor's 2016 Housing Collection of innovative vinyl floorings has been created to bring fresh solutions to new build and refurbishment housing projects. With designs developed in-house and products tested to the highest standards, the collection of top quality vinyl sheet and luxury vinyl tiles (LVTs) have the aesthetics, technical performance, installation

benefits, eco-friendly credentials, different specifications and price points that housing professionals need and end-users want. Core to the collection are loose-lay Gerflor Fibre Technology (GFT) and LVTs.

01926 622600 www.gerflor.co.uk

Enq. 176

Acoustic and thermal double-act



The A. Proctor Group has supplied the acoustic Profloor Dynamic Batten system as well as vapour permeable membrane Reflectashield TF 0.81 to a new low cost housing project in Trinity Close, Norwich for Dove Jeffrey Homes. The Profloor Dynamic Batten System is specified and detailed in a similar way to a standard batten in order

to support the chosen floor finish, with the added advantage of providing effective isolation of the finish from the structure to reduce sound transmission.

01250 872261 www.proctorgroup.com

Enq. 177

Business is booming for Designer Contracts



It's been a hugely successful year for the rapidly expanding Designer Contracts – one of the UK's largest flooring contractors. The company, which has a national network of 12 regional offices and a show home design division, saw a 14 per cent increase in turnover to £34 million for the 12 months to the end of October 2015, compared to the same

period in the previous year. The company recently trebled its national distribution facility moving to larger premises. Last year the company was awarded 'Take Back Partner of the Year' by Carpet Recycling UK.

01246 854 577 www.designercontracts.com

Enq. 178

All round knee protection from Redbacks



Redbacks Cushioning Limited, the manufacturer of the world's only patented, 'leaf-spring', non-foam or gel kneepads, has introduced a new strapped version as an addition to its original, big-selling product for pocketed work trousers. The new product retains the company's award winning cushioning technology which incorporates a flexible TPE (Thermo

Plastic Elastomer) leaf-spring set within a unique honeycomb matrix. Durable and hardwearing, Redbacks strapped kneepads give the user unrivalled, all-day comfort and protection.

01327 702 104 www.redbackscushioning.com

Enq. 179



EST. 1987

SEWAGE TREATMENT PLANTS FOR PROPERTIES WITHOUT MAINS DRAINAGE

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

NEW 'T9' FOR 9 PERSONS

'T6'



AIR BLOWERS AND SPARES

RAINWATER HARVESTING

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

Enq. 180



Kährs feature within marina development

Wood floor designs from Kährs award-winning range have been installed at Admirals Quay – Southampton's tallest development situated on the city's waterfront. The landmark marina project comprises three mixed-use glass-clad towers designed by HGP Architects, for Allied Developments Ltd. Kährs' one-strip oak flooring was installed by Chelmer Flooring Ltd, throughout apartments and duplex penthouses, for main contractor, Bouygues UK – one of the region's leading construction companies. Kährs' specification totalled over 8,500 m2 and included the one-strip design, Oak Brighton. Part of Kährs' Sand Collection, Oak Brighton is a rustic wood floor crafted in Sweden from sustainable European timber. A white-toned matt lacquer prefinish gives the lively surface an on-trend pale toned hue, while providing additional performance and maintenance benefits. For more information, please visit the company website.

023 9245 3045 www.kahrs.com

Enq. 181

Kawneer UK profiles at Batimat



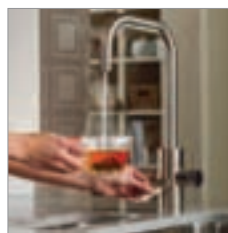
Leading UK architectural aluminium systems supplier **Kawneer** joined forces with its sister companies in Europe to showcase its portfolio of curtain walling, window, door and framing products at Batimat. Batimat is one of the world's leading construction exhibitions and Kawneer presented a high-profile stand (L70) that brought its European product

offer together for the first time at this mecca for the industry. More than 50 guests of Kawneer UK attended the show on 5 November when they were introduced to a variety of new products.

01928 502 500 www.kawneer.co.uk

Enq. 182

PRONTEAU® Project 4-in-1 kitchen tap



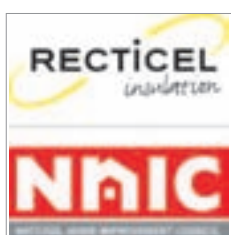
PRONTEAU Project 4-in-1 kitchen tap - the latest innovation from **Abode**. Project is just one of five new designs of 4-in-1 mixertaps offering all the benefits of a normal kitchen mixertap with the addition of filtered cold drinking water and 80-98° filtered, steaming hot water from one single tap, with no extra handles.

The boiling water function can only be used with the unique Abode Hotkey, for added safety. By holding water at a maximum of 98° the unit does not spit or spurt steam and is WRAS approved for use in new build and retro-fit installations.

01226 283434 www.abode.eu

Enq. 183

Recticel Insulation helps to steer the NHIC



Leading UK PIR manufacturer **Recticel** Insulation is adding its voice to a leading organisation in the home renovation industry. The company's technical specialist Paul Forrester sits on the steering group of the NHIC (National Home Improvement Council) which for more than 40 years has maintained a close liaison with government, local authorities,

housing associations, private householders and landlords as well as product manufacturers and service providers. Recticel Insulation also supports NHIC initiatives such as the annual awards.

01782 590 407 www.recticelinsulation.co.uk

Enq. 184


Cook it in style with BLANCO's new hob



BLANCO's new hob collection includes the very latest technology for high-speed, energy-efficient cooking at home. The new BH467831 is a 78cm-wide ceramic induction hob with six different cooking zones, 14 heat levels, six sleek sliding controls and residual heat indicators. Highlights include a flexible induction zone that accommodates pans of varying

sizes and a boost option, which brings food/liquid to boiling point in seconds. Other clever touches include automatic pot localisation, an automatic bridge for different heat levels on the same pot or pan, a grill function, pause-and-recall, and three keep-warm levels.

Enq. 185





**Save Energy
Save Money**

INCREASE YOUR ATTIC INSULATION PERFORMANCE BY UP TO 50%


The Thermahood Downlight Attic Seal provides an airtight seal, allowing for the continuity of loft insulation. Its unique design ensures an effective moisture barrier is maintained, therefore overcoming any risk of condensation as a result of water vapour transmission into cold attic voids.

Reduce heat loss • Reduce draughts • Improve air quality
Reduce condensation risk • Made from flame retardant material


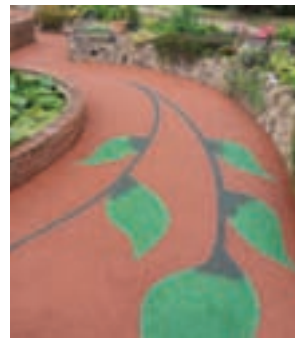
t: 028 4177 4047
e: info@downlightatticseal.com
w: www.downlightatticseal.com

Enq. 186



Resin Bound

Driveways – Patios – Paths – Car Parks
Permeable Tree Pits and much more

Resin Bound Surfacing from Resin Bonded Ltd is a combination of Resin and Natural Stone available in a wide range of stunning and durable finishes.

- Trusted and Respected leading supplier of Resin Bound Materials
- Superior UV Stable Resin system supplied
- Technical support/Contractor Training
 - Competitive Prices
 - Samples Available
- Wide range of Stone, Glass and Marble finishes

**Nationwide Delivery
SuDS Compliant system**

Please contact us for details
0800 772 3030 | info@resinbonded.co.uk
www.resinbonded.co.uk

Enq. 187



Flush away health & safety concerns

- > Flush when closed
- > Minimises risk of injury
- > Vandal-proof
- > Frost resistant
- > Recesses into any thickness of wall
- > Special key extends assembly

Telescopic 15mm Hose Union Tap
Ideal for schools and public buildings



To view the range of external taps visit our website

Arrow Valves

Tel: 01442 823 123 Email: enquiries@arrowvalves.co.uk
www.arrowvalves.co.uk
The Water Regulations Solution Specialist

Enq. 188



Transform your landscape
with semi-mature trees, specimen shrubs & instant hedging



...from bare ground to this in a single day!

Larger plants for instant results
Experienced horticulturalists to help and advise so that your planting scheme will thrive on your site

Nationwide delivery
All stock fully hardy & guaranteed (terms & conditions apply)

150 acre nursery supplying trade & public for over 30 years
The Walled Garden, Wykeham Abbey, Scarborough, N. Yorks.

01723 862406 enquiries@wykeham.co.uk
www.wykehammatureplants.co.uk

Enq. 189



LEVATO MONO
porcelain paver system

The Levato Mono porcelain paver system is the pinnacle of external raised flooring technology; enabling the specification of lightweight, slip resistant and attractive raised flooring solutions, combining incredible technical properties with uncompromising aesthetics; making them the ideal choice for commercial and domestic use alike.

- 20mm porcelain pavers 40x80 45x90 60x60 75x75 30x120 40x120 60x120
- 'Floating floor' – installation over single ply membranes
- Eternal product - zero maintenance required – offering massive over-life savings
- Highly abrasion and stain resistant
- Highly slip resistant ; R11 and achieved up to +65 wet in the BS pendulum test
- Lightweight – 45kgs per m²
- High load bearing and impact resistance
- Timber & stone effects ; 40+ finishes available
- Ideal for balconies, roof terraces and piazzas, for both commercial & residential use
- Completely non porous
- Fire & frost proof
- Height-adjustable support from 9mm up to 550mm

t: 0845 2700 696 e: info@thedecktileco.co.uk
www.thedecktileco.co.uk

dte
the deck tile co. ltd.

Enq. 190



With flooding becoming more frequent, why doesn't the government act?

We're in the midst of another winter comprising short bursts of torrential rain, flash flooding, rising water levels and mounting repair and insurance costs. With urbanisation increasingly replacing our green spaces, the changing nature of our landscape has become an indisputable factor in this susceptibility to flooding. So as our country's skyline continues to change and flooding remains a real risk, Andrew Gill, marketing manager at Brett Landscaping, asks is it right to make the installation of SuDs a choice rather than a prerequisite?

While there is a lot of talk around the most recent floods, sympathy for those affected and promises of future protection, the action required to fulfil these promises seems less abundant. Defences installed following previous floods have failed and while the government has promised to plough more money into bigger barricades – which often only relocate the problem downstream – surely it is now time to seek a more strategic, long-term solution rather than repeating often ineffective “knee-jerk” reactions.

Nobody can dispute the role of rain in causing these floods, but the continued urbanisation of the country is most definitely also a significant contribution – and one which is all too often overlooked in the aftermath of localised flooding. Given that today the rate at which new houses are being built shows no signs of slowing, there can be no doubt that the problem will only increase unless we change our fundamental approach to surface water management. One solution to help reduce the risk of flooding would be to make the implementation of sustain-

able drainage solutions (SuDs) mandatory in any new development – as is the case with energy reduction measures.

SuDs allow surface water to be managed in a way which replicates natural run-off patterns on a greenfield site. This crucial attenuation process prevents excess surface water overwhelming our urban drainage systems and can be created using a range of technologies such as swales, permeable paving and flood basins. However, to be a true SuDs solution the system must fulfil three basic requirements:

Continued overleaf...



“The cost of investing in such solutions is being cited as one of the reasons the government is holding back on making the installation of SuDs mandatory throughout the UK”

Cumbria is a prime example what could easily happen (and in some cases has already happened) in other areas of the UK, with Prime Minister David Cameron saying that flood defences in the area “were not enough”. He has commented that the government will fully reimburse councils the cost of dealing with the flooding and ministers will review all flood defence plans going forward. Such actions all have significant financial implications.

Assertive approach the only way forward

Many believe a more assertive approach is required, such as the government’s response to the increase in global warming. Since the early 2000’s, the government has insisted that all developers continually increase the thickness of insulation in new homes via changes to the Building Regulations. This has significantly reduced the heat loss from new homes and cut both our heating bills as well as our carbon footprint in the process. This all tracks back to the definitive legislation surrounding the reduction of carbon footprints for developers. In turn this is reinforced by far more forceful implementation, demanding that emissions are considered during each and every step of constructing a new building. Similarly the existing housing stock is being addressed with many home owners are being entitled to free insulation, all to help lower our energy usage.

With government plans to directly commission the building of 13,000 new homes in the south and an additional £1.2 billion being invested in the creation of 30,000 affordable new homes on brownfield sites across the country over the next five years, surely ensuring that mandatory SuDs are installed by law has never been more important?

Enq. 191

- Surface water attenuation
- Improvement of water quality
- Enhancement of amenity

It could be argued that one of the best ways to achieve these goals is through the use of permeable paving, which allows surface water to drain between the individual blocks and be held in the sub-base from where it can then be slowly released. This process significantly reduces surface water run-off, has been proven to reduce pollution loads entering watercourses and helps provide an attractive, low maintenance surface – with no significant “land take” for developers.

However, at the time of this article being written, the approach from the government still fails to be definitive – sticking instead with phrases such as ‘where reasonably practicable’ rather than the ‘must and will’ wording which is typically used when it comes to energy reduction.

An apathetic approach

A DCLG (Department for Communities and Local Government) ministerial statement, first issued in December 2014, now sits alongside the National Planning Policy Framework (NPPF) as an additional policy stating “the government’s expectations...that sustainable drainage systems will be provided in new developments wherever this is appropriate.” The inclusion of statements such as “the government’s expectations” and “wherever ...appropriate” simply reinforce the Government’s apathy towards the situation.

The approach towards homeowners is just the same. Legislation passed in 2008 states that a homeowner “will not need planning permission if a new or replacement driveway of any size uses permeable (or porous) surfacing such as gravel, permeable concrete block paving or porous asphalt”. Despite recognising the need for SuDs, the enforcement and promotion of this requirement has been virtually non-existent. However, there are now starting to be instances where, in the conveyancing process of a house

sale, the issue of an impermeable driveway installed post-2008 has caused significant problems, with home owners having to re-lay drives or seek retrospective planning approval before any house sale can proceed.

Counting the cost

Interestingly, the cost of investing in such solutions is being cited as one of the reasons the government is holding back on making the installation of SuDs mandatory throughout the UK. However, according to experts at PricewaterhouseCoopers, the cost of last December’s ‘Storm Desmond’ may rise to the tune of £500 million, double the cost of the serious storms the UK saw in 2009.

Which begs the question: Is saving on initial outlays by not making installation of SuDs compulsory, simply robbing Peter to pay Paul? With news covering December and January’s incessant downpours highlighting the extensive emotional and financial damage flooding can cause, not to mention the hardship faced by homeowners who, post flood, may not be able to insure or sell their properties in the future, wouldn’t money invested in long term prevention be better than cash thrown at a short-term cure?





Transformational paving

With the recent completion of public realm regeneration at the east London Brownfield Estate, **Interpave** has substantially updated its case study on this exemplary project. Brownfield includes modernist architect Ernö Goldfinger's listed, 'brutalist' concrete high-rise blocks – including Balfron Tower – from the late 60s and early 70s. The project is characterised by a uniform application of concrete block paving on un-adopted areas, with feature paving announcing estate entrances and around key buildings. Here, concrete flags in strong colours are arranged in bands to create a bold linear feel. Then, throughout the scheme silver-grey concrete setts – with enhanced granite surface adding sparkle – highlight footways, while charcoal setts identify private amenity space. Edges and transformations are defined by enhanced-finish concrete kerbs, some laid flush, others raised. Interpave has just published an updated case study exploring the project.

0116 232 5170 www.paving.org.uk

Enq. 192

LOOKING TO BE INSPIRED?

We have the most extensive range of decorative aggregates in the UK.

New For 2016!

Call us to locate your nearest stockist or for brochures and prices.

RS
LONG RAKE SPAIN
Decorative Aggregates Specialists

T: 01629 636 210
E: sales@longrakerpave.co.uk
W: www.longrakerpave.co.uk

Enq. 193

Don't slip up with your choice of decking...

GRIPSURE
keeps you on your feet

Call: 01726 844 616

Nationwide delivery

The UK's Leading supplier of anti slip timber decking

- Peace of mind - safety
- Credible & proven performance
- Sustainably sourced timber
- Innovative non slip solutions
- Competitive prices
- Quick & easy to install

Visit our website to see our full product range
www.gripsure.co.uk

Enq. 194

HarrowdenTurf
GROWING BETTER TOGETHER

Feltwell Office 01842 558012 Southport Office 0333 4560012

Edinburgh Office 0131 2151001 Cambridge Office 01638 742901

Range of quality turf

Wildflower turf

Sedum roof/ Ground matting

Qlawns the lawn makers

Turfland Where the grass is always greener!

stewartsturf

SPEARHEAD TURF

www.harrowdenturf.co.uk

Enq. 195

Add value to your new build

*A prestige
product that
will enhance
any building,
corrosion
resistant and
very, very low
maintenance.*

**NEW
SL Range**

When you've specified quality material throughout your project, why stop at your rainwater system?

The **NEW SL range**, gives you all the quality of **aluminium** with it's lightweight, corrosion resistant and low maintenance properties without blowing the budget.

And of course it's 100% recyclable!

- Gutter 2.0mm Aluminium
- Polyester Powder Coated
- Full range of components
- Stainless Steel Fixings
- Compatible with all below ground drainage



Easy Fix. Available in 100mm and 75mm Dia. Pipe and 125 x 100mm MOG or 125 x 75mm HR gutters.



**YEOMAN
RAINGUARD
RAINWATER SYSTEMS**

For more information call 0113 279 5854
or email sallyann@rainguard.co.uk

www.rainguard.co.uk

Enq. 196

Welsh Slate launches aggregates guide



A guide to the material's use as an aggregate has been launched by **Welsh Slate**, one of the UK's leading suppliers of natural slate for a peerless range of exterior and interior design applications. The guide gives a snapshot of Welsh slate's features and benefits as an aggregate, specifically for civil engineering, house building, the water industry, and precast

and ready-mixed concrete. As a construction aggregate, Welsh slate can be used as a granular sub-base for road building, car parks, footpaths and driveways due to its excellent load bearing qualities.

01248 600656 www.welshslate.com

Enq. 197

Choose Freefoam for more colour choice



Freefoam, a leading manufacturer of a wide range of innovative products for the building industry in UK, Ireland and Mainland Europe, announce the addition of even more products to its already extensive colour range of fascia and soffit. With the increasing popularity of Grey window frames and guttering Freefoam has also introduced the 250 and 350mm

General Purpose Board in three shades of grey, Storm Grey, Dark Grey and Anthracite Grey. All new products are available straight from stock with no lead time, available with matching trims and fixing accessories.

01604 591 110 www.freefoam.com

Enq. 198

Brett Martin launches new colour option



Brett Martin Plumbing and Drainage has launched a new colour option to the Cascade Cast Iron Style Rainwater and Soil Systems range, adding Anthracite Grey to the mix of six heritage colours, allowing merchants and their customers to capitalise on the growing market trend for this colour on windows and doors on both new build and renovation projects. With a

price tag in line with modern construction, and an appearance that blends the past with the present, the Cascade rainwater and soil system is the perfect solution for discerning specifiers, builders and clients.

028 9084 9999 www.brettmartin.com

Enq. 199

Tired of clearing gutters? Pick Rainhandler



If you are fed up of clearing gutters, and looking for an alternative, there is a highly efficient solution with easy to install **Rainhandler**. A proven and practical alternative to conventional gutters and downpipes. Instead of collecting the roof rainwater run-off and diverting it to a soakaway, the product allows the rainwater to fall on to angled louvres,

projecting it away from the building. It can be used on most types of roof and is especially beneficial when space is limited. A self-cleaning dispersal system ensures that maintenance is minimal.

01534 863339 www.rainhandler.co.uk

Enq. 200

A Market-leading Manufacturer of Metal Roofline Products

ARP

With over 25 years experience in providing roofline solutions, in-house technical expertise, project planning and high quality products.

Contact **ARP** Today!

www.arp-ltd.com | 0116 289 4400 | sales@arp-ltd.com  

**WE'VE LAUNCHED
OUR NEW WEBSITE!**



Enq. 201

RainHandler
EUROPE

Easy to install
Installation instructions included

Order securely on line or phone Jersey on +44 (0) 1534 863339

The self-cleaning rain water dispersal system

The Rainhandler system has been designed and used throughout North America for the last two decades. They are self cleaning and there is no requirement for a soakaway. The unique Rainhandler louver design allows leaves and debris to be blown or washed away. No downpipes are required.

The Rainhandler is particularly useful when building control requirements don't allow adding rainwater soakaways because of restricted space and minimum distances to the property and boundaries. For more information please go to our website, or call us in Jersey on the number below.

  w: www.rainhandler.co.uk • t: +44 (0)1534 863339

ONLY
£22.50

per 1500mm length
(including fittings)

Enq. 202

Editor's Focus

Creagh Concrete

Spantherm is a pre-insulated precast concrete flooring system designed specifically for residential and mid-sized commercial ground floors. The composite slab combines structural concrete and high-performance Expanded Polystyrene (EPS) insulation to provide a superior thermal floor. This structural flooring system is mechanically placed using lorry mounted cranes to improve Health and Safety on site. Spantherm has a significant thermal mass and achieves a U-value as low as $0.12 \text{ W/m}^2 \text{ K}$ (dependent on your PA ratio). Visit the Creagh Concrete website for further information on Spantherm and the full product range.

Enq. 203



Wykeham Mature Plants

Supplying the trade for the last 40 years, Wykeham Mature Plants is a specialist grower of large trees, specimen shrubs and instant hedging for immediate results. Grown on a 150 acre nursery in North Yorkshire, all stock is hardy, free from imported diseases, and guaranteed. Instant hedging and screening are a particular speciality, providing privacy and security, as well as to help with planning issues. Advisory services are available to help you select plants to resolve issues and to thrive on any site, as are expert planting services and nationwide delivery. Visit the company's website for further information.

Enq. 204



Quinn Estates

Quinn Estates is delighted to offer the unique opportunity to acquire a self-build plot on the former Hammill Brickworks site, situated just outside of the village of Woodnesborough, near Sandwich – blending in effortlessly with the surrounding countryside. This exclusive development will consist of 19 high quality family homes, of which there are now only five self-build plots still available. Hammill Brickworks is nestled in the heart of the East Kent countryside and benefits from superb transport links with easy access to the A2/M2 and a mainline railway station providing a full time HS1 connection to London St. Pancras.

Enq. 205



Canopies UK

Having worked with the new build and refurbishment sectors for a quarter of a century, Canopies UK has honed its product designs to best meet the changing needs of the housing market, with more than 15 stylish and durable paint and maintenance-free door and window canopies. Its door and window canopies are renowned for their quality, which is reflected in the 10-year manufacturer guarantee. With a range of modern, traditional, flat and pitched designs to choose from, Canopies UK's product portfolio is sure to have something to suit every project. Canopies UK strives to assist tight work schedules by delivering all door and window canopies to site.

Enq. 206



RK Door Systems

RK Door Systems specialises in the supply of highly insulated aluminium entrance doors that offer exceptional performance and low maintenance. The company's 'Excellence' doors offer the perfect balance between value and style, there's a huge range of designs available and you can also customise them to create a unique entrance to your home. Available from £1,595 +vat and offering U values from $0.92 \text{ W/m}^2 \text{ K}$ to $0.72 \text{ W/m}^2 \text{ K}$, they offer amazing value for money and have to be seen to really be appreciated. For more information, contact RK Door Systems directly or visit the company's website.

Enq. 207



Timber Decking and Cladding Association

Highly durable, fit for purpose timber decking and cladding starts with the Timber Decking and Cladding Association. Membership of the TDCA encompasses materials manufacturers including timber, fixings, coatings and other accessories as well as the best that industry can offer in the way of professional installers. In addition to website resources dedicated to decking and cladding, the association also offers a materials sourcing service which furnishes you with a list of companies ready and able to meet your specific requirements. Members are DeckMark or CladMark accredited which means they meet the stringent requirements of these TDCA quality schemes.

Enq. 208



Sika Sarnafil solution creates luxury communal gardens for residents

A stone's throw from South Bank, BREEAM certified London Square development, Bermondsey Village, is located at the corner of Lamb Walk and Morocco Street. A mixed-use new build, the scheme provides luxury apartments with a communal garden area and balconies, which required a clever roofing solution from Sika Sarnafil, Sky Garden and Contour Roofing.

The modern style of the apartments required a roofing solution that would look stunning and offer high performance. At one time, a roof was once seen only as a means of protecting a building from the elements, but now it is increasingly being seen as a valuable space that can be utilised. The client needed a biodiverse, sustainable communal garden and roof as part of the project.

The project was split into three parts – the accessible green roof for residents on the first floor, then the green roof and brown roof at a higher level.

The project was originally specified in hot melt. However, this product specification wasn't possible, as it wouldn't give the desired aesthetic finish required by the client and architect. The client wanted an 'all singing, all dancing' solution that would deliver superior performance and a



flawless finish, in line with the luxury flats.

Jonathan Woods, Contour Roofing, suggested using Sika products, as the roofing project was complex and expansive, requiring expert advice and planning. He explained that Sika give the best for support to both contractor and client, and would be the ideal option. It was a challenge to change the specification at a late stage, but Contour, working in close partnership with Sika, provided a solution that met, and exceeded, the client's expectations.

Work was done to cover the main roof, balconies and podium over a car park using a full warm ballasted system with Sarnafil G410-18EL



Light Grey as the main roof sheet and Sarnafil G410-15EL Light Grey and S327-15EL Light Grey for the flashings. The design of the communal gardens was intricate and detailed, especially around roof lights, podium and upstands. Sikalastic Liquid Applied Membrane was used on some of the detail areas and the balconies, demonstrating the great compatibility between Sika's various roofing products. All work was finished to an extremely high standard, as was the aesthetic requirement of the client, achieving a 20 year guarantee from Sika.

Enq. 209

01707 394444 www.sikasarnafil.co.uk



Why choose Dryseal over 'wet-lay' GRP?

Fast becoming the specification choice of a growing number of Housing Associations, Dryseal is the unique component based fibreglass or glass reinforced polyester (GRP) roofing system from **Hambleside Danelaw**. Unlike 'wet lay' systems, the Dryseal system is supplied pre-cured and ready to install. All Dryseal GRP trims and membrane are manufactured under strict BS EN ISO 9001 and 14001 quality and environmental controls and then supplied via our network of fully trained Approved Contractors for installation on site. Dryseal should not be confused with 'wet lay' systems, which comprise fibreglass reinforcement saturated with liquid resin hand laid on site. Wet lay systems have greater potential for error as the process relies on fair weather from the outset. Dryseal is one of the most advanced GRP roofing systems available and comes with an insured guarantee which covers the water tightness of the system for 20 years.

01327 701 900 www.dryseal.org

Enq. 210



The roofers best kept secret

The roofers best kept secret is finally out – Aquaseal Liquid Roof from **Everbuild** – A Sika Company is a new, 1-component, easy to use, all weather roofing system, ideal for waterproofing flat and pitched roofs. Creating a solid waterproof membrane which covers the entire area without any seams, Liquid Roof is applied in two coats straight from the tin and has a moisture triggered curing system to allow fast curing. Liquid Roof is completely rain resistant after just 10 minutes and will even cure if a pool of water forms on top of it, perfect for the unpredictable British weather. Suitable for use on a variety of substrates including concrete, mortar, brick and stone, Liquid Roof can be used on new roofs as well as refurbishing old. Available in slate grey colour in 7kg and 21kg tins, Liquid Roof will leave you with a professional looking, fully waterproof roof in just five easy steps. For further information, please visit the company website or call the sales office.

0113 240 2424 www.everbuild.co.uk

Enq. 211



Repairs, refurbishment and water ingress by the sea

Stuart Hicks, from cold liquid-applied wet-on-wet waterproofing specialist, Kemper System, discusses the problems caused by a failed waterproofing system at a luxury residential development near Brighton and outlines the project undertaken to replace it

You only need to see a picture of The Grand Ocean Hotel in Saltdean, near Brighton, in its heyday to capture a glimpse of a bygone era of glamorous seaside elegance in surroundings that epitomised contemporary design.

The Grade II listed building first opened on a four-acre site in 1938 with 344 bedrooms and a dining hall that could seat 300. Its crescent-shaped white facade with a bulbous central pillar makes it a classic of Art Deco architectural design.

Now the central building from which a development of luxury apartments takes its name, this coastal landmark has had a varied history, which includes being requisitioned by the Auxillary Fire Service during World War II, used as a Fire Service college after the war and becoming a popular honeymoon destination in the 1950s after it was acquired by holiday camp pioneer, Billy Butlin in 1953.

While Butlins sold the iconic building in 1999, it remained open as a hotel until 2005 when planning permission was granted to convert it into luxury apartments with an additional four new build apartment blocks within the grounds.

Design of the new build blocks was in-keeping with the main hotel building and every attention was taken to preserve the original structure in line with its listed status. However, problems

with the integrity of the originally specified waterproofing system became apparent even before refurbishment of the main hotel building had been completed. This led to a change of roofing contractor and, eventually, a replacement roofing system too.

Integrity issues

Both the existing hotel building and the four new builds are of a flat roof design and the architect had specified a liquid waterproofing membrane to maintain the listed building's appearance while providing a neat finish for the new builds.

“Design of the new build blocks was in-keeping with the main hotel building and every attention was taken to preserve the original structure in line with its listed status. However, problems with the integrity of the originally specified waterproofing system became apparent”

Unfortunately, the system originally selected was not robust enough to adhere seamlessly to both the roof and all upstands and outlets as a permanently elastic, monolithic membrane. The development's coastal location also required a

more durable and flexible membrane that could withstand a moist and salty atmosphere and high UV levels.

When the integrity of the waterproofing membrane on the four new build structures was first compromised, the assumption was made that the issue lay with the quality of installation rather than the suitability of the membrane.

A new roofing contractor was brought in to carry out repairs to the membrane and repairs were carried out using the same product because it was still under warranty.

The majority of the problems with the roofing material were around the upstands, where the originally specified roofing system had not adhered sufficiently to the vertical surfaces and was not flexible enough to cope with structural movement. Following repairs, the problems recurred.

Replacement waterproofing

The roofing contractor turned to a cold-applied wet-on-wet waterproofing system that the company had used on a wide variety of construction projects in the past. The company recommended the new system to the architect for remedial works to both the new builds and the former hotel building, including the roof areas, balconies and terraces.

The decision was taken to install the replacement waterproofing system as an overlay onto the

existing failed membrane wherever possible. Where an overlay wasn't viable, the contractor stripped out the existing and replaced it with the new flexible liquid membrane.

The existing roof build up for the new build apartment blocks was an inverted roof with the originally specified membrane installed beneath the insulation. The roofing team removed the paving slabs and green roof medium along with the insulation and, where possible, this was stored for re-use in the new roof build up.

The company then had to carry out preparation and cleaning of the roof surface before installation of the new membrane could begin. In the areas around the upstands where the failed membrane had not bonded, the contractor simply pulled off the damaged membrane.

Once the new waterproofing system was in place, the insulation, slabs and green roof medium that had been removed to access the failed waterproofing membrane were then reinstated to complete the roof.

The build-up for each of the new builds' terraces was the same as the main roof and the same process and materials were used. The paving slabs were removed for re-use and the failed membrane was overlaid with the new system.

Increased damage

For the roof and balconies of the former hotel building, however, the damage caused by the failed waterproofing membrane was even more

significant because the original roof build-up was not inverted.

The roofing contractor tackled the balconies first and had to strip out the entire roof build-up of paving slabs, waterproofing membrane and insulation. Here, not only had the originally specified membrane failed but, as a result of the water ingress, the insulation below it had begun to rot too.

Following strip out, the concrete substrate was allowed to dry on each balcony before the new waterproofing could be installed. To save time, the build-up for each balcony was then reinstated as an inverted warm roof.

The same primer, resin and fleece waterproofing system was used for the balconies of the refurbished hotel as for the new build apartment blocks and the membrane was allowed to cure before new insulation and paving slabs or decking were installed.

The installation team then moved onto the 8,500m² former hotel roof, which comprises five 'fingers' with a central core. Water ingress around the roof outlets where the failed membrane had not bonded properly meant that the recently installed warm roof insulation was already sodden and the roof had to be stripped back to the vapour barrier.

To aid water run-off in the future, a tapered insulation scheme was designed which introduced a slight pitch to each roof section. These pre-primed sections were then fixed to the substrate and joint sealed before application of

the new waterproofing membrane began.

Holiday heritage

The latest residents have now moved into the historic former hotel, continuing its journey from hotel, to fire service training, holiday camp and, finally, luxury homes.

Enq. 212



Keder Roof XL

Bigger. Stronger. Wider. Spanning up to 40m.

Arched or domed structures – lightweight and easy to install with minimal bracing requirements.



✓ HIRE & SALES ✓ EQUIPMENT ✓ DESIGN ✓ SUPPORT ✓ EXPERIENCE ✓ VERSATILITY ✓ EXPERTISE

Layher Limited

- Works Road, Letchworth, Herts SG6 1WL Tel. 01462 475 100 Fax. 01462 475 101
- Letham Road, Houstoun Ind Est., Livingston, West Lothian EH54 5BY Tel. 01506 440220 Fax. 01506 440110
- North Point Business Park, Selby Road, Eggborough DN14 0JT Tel. 01977 661605
- Keenogue, Duleek, Co. Meath, Ireland Tel. 00353 0 41 9823661
- Birmingham coming soon

info@layher.co.uk www.layher.co.uk

Layher 

More Possibilities. The Scaffolding System.



Enq. 213

Engineered solution to regeneration



CRGP Architects has created a development, built by main contractor CBC, for social housing in Linthouse, Glasgow. CRGP turned to **Protan** for a state-of-the-art engineered roofing solution. Thus the 6 no. low pitch, monoridge interconnecting predominantly four-storey blocks that house the 40 apartments are all roofed

with 1,700m² of Protan SE1.6mm single ply PVC membrane. Protan's prefabricated option, welded in its and mechanically fixed in place with Omega extruded steel profiles was chosen.

01925 658 001 www.protan.co.uk

Enq. 214

Klober introduces new Profile-Line® Tile Vent



With growing demand for universal, low profile tile vents, roofing ventilation and accessory specialist **Klober** has introduced the Profile-Line® Thin-Line Tile Vent. Designed for use with Marley Edgemere, Russell Galloway, Lagan Elite, Quinn Lakeland Slates and Redland's Slate 10 range, it is available in five standard colours. The vent can be used at high or

low level to provide an effective ventilation area of 7,850 mm² and for soil ventilation or mechanical extraction. It comes with a 10-year guarantee against manufacturing defect.

01332 813 050 www.klober.co.uk

Enq. 215

Engel have high visibility all wrapped up



One of Europe's leading workwear manufacturers, Danish company **F. Engel** has introduced a wide range of high visibility safety workwear in accordance with the new International and European standardisation EN ISO 20 471. With customers' safety as the company's prime concern, each item of warning-clothing is produced with the largest possible

fluorescent and reflective areas thus ensuring the safest levels of visibility both day and night. The LOXY high visibility reflector tape is proven for its hard wearing and effective performance.

07933 150197 www.fe.dk/en

Enq. 216

New affordable fire alarms for sites



January saw the launch of two new site fire alarms from **Bull Products**. The Bull Site Siren systems are designed as stand-alone temporary fire alarms on construction sites. These affordable alarms are fully self-contained and can be used separately as a stand-alone device, linked by cable or linked with a radio connection. The alarms have the benefit of an extremely

robust ABS casing for maximum durability. They have a very high noise output of 115dB, more than adequate to be heard over the general noise on construction sites. No mains electricity is needed as the units operate from 9V PP3 batteries.

Enq. 217

ET *Brick Products Ltd*

"The Only Specialist Brick Merchant With Triple S"

- ✓ STOCK**
Over 5 Million Bricks Always In Stock
Held In Two National Depots
- ✓ SELECTION**
Over 250 Different Types Of Bricks
Top 25 Best Selling Bricks In The UK In Stock
Stockist Of Forticrete Cast Stone
- ✓ SERVICE**
Ability To Mix Loads
Collection or Delivery
Brick Matching
ISO: 9001 Registered

<p>Essex Depot</p> <p>Hungate Wood Ind. Park Stifford Road South Oxendon Essex RM15 6RL Tel: 01700 200 304 Fax: 020 8500 9990 sales@etbricks.co.uk</p>	<p>Minworth Depot</p> <p>Unit 18 Maybrook Business Park Maybrook Road Minworth West Midlands B76 1AL Tel: 0121 351 3991 Fax: 0121 351 6552 minworth@etbricks.co.uk</p>
---	--

www.etbricks.co.uk

Enq. 218



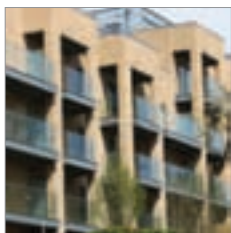
Axter waterproofing at Centenary Quay

Axter Ltd is proud to have provided the waterproofing for Centenary Quay, Crest Nicholson's vibrant development on Southampton's waterfront, including 102 apartments with high rise penthouse flats, retail and commercial space. Built by Willmott Dixon, phase three of the regeneration incorporated a bio-diverse living roof as well as amenity space built above a Morrisons supermarket. With fully accessible amenity gardens including a flowing water feature, it was vital a robust specification was delivered. Axter provided all the waterproofing for the development, utilising their Wilotekt Plus system on the podium, to deliver a reliable waterproofing system robust enough to accommodate the water feature and fully accessible amenity space above. Axter also developed a bespoke bio-diverse living roof specification to complement the natural coastal surroundings. For more information, please visit the company website.

01473 724 056 www.axter.co.uk

Enq. 219

Hillside residences enhanced with Sapphire



The clean, contemporary lines of glass balcony balustrades by **Sapphire** are contributing to the singular style of One Hove Park, a new residential development on the Sussex coast. Most of the scheme's 71 apartments benefit from balconies or terraces from which residents can look out over the area's abundant green spaces. The use of glazed balustrades from Sapphire's

Crystal frameless structural glass system, which has no vertical support posts to impede views, enhances the sense of light and space inside the high quality homes. Please visit the company website for more information.

Enq. 220

neaco balconies maximise river views



neaco's glass panelled balconies are allowing residents to make the most of their picturesque river views at a development of luxury apartments in West Yorkshire.

neaco's UK Business Development Manager, Peter Melia, said: "As well as the kerb appeal of their contemporary style,

our balconies provide a clearer view out and more sunlight penetration to give interiors a spacious and airy feel. They are ideal for this type of development, where an unobstructed view of a scenic setting maximises a major selling point."

Enq. 221

Kallisto invests in new technology



Kallisto, the pre-cast concrete spiral and helical staircase division of **Milbank Concrete Products**, is delighted to announce it has invested in the latest technology to provide customers with a bespoke product, tailored to suit the individual needs of all domestic requirements. From the initial enquiry, straight through to the design, manufacture

and installation, Kallisto has extensive experience designing stairs to fit either traditional or contemporary projects. Working closely with architects, engineers and designers they assist in achieving stunning, yet functional pre-cast stair case installations.

Enq. 222


SterlingOSB – a name that means business




When you buy a commodity product like cement or aggregate, the name on the packaging seldom matters. But that's not the case with OSB, it seems. Recent research carried out on behalf of **Norbord** has found that a whopping 80 per cent of both builders and builders' merchants react positively to the SterlingOSB brand name. SterlingOSB is one the UK's

leading brands of oriented strand board and the name and logo can be seen on building sites the length and breadth of the UK. For further information, please visit the company website. For more information, please visit the company website.

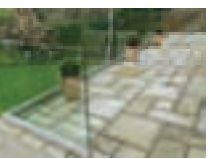
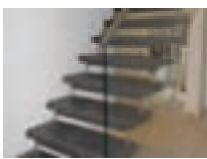

Enq. 223





specialist suppliers of

**frameless and stainless glass
balustrades and unique
german staircases**


Tel: 01425 611112 Fax: 01425 617773 sales@fivestars.ltd.uk
www.fivestars.ltd.uk

Enq. 224

The beauty of natural Cotswold stone

from

Veizey's



Suppliers of Natural Building Stone, Sawn Ashlar,
Roof Tiles, Architectural & Ornamental Masonry,
Flooring & Fire Surrounds.

Veizey's quarry, Avening Rd, Tetbury, GL8 8JT
t: 01666 504689 e: info@stonesuppliescotswolds.co.uk

STONE SUPPLIES
cotswolds

Enq. 225



The Experts in Speciality Timber Products

When choosing a material for your project, appearance and performance are of paramount importance. Silva Timber supply the finest selection of speciality timber cladding, decking, fencing and roof shingle products in the UK.

Specialising in Western Red Cedar, Siberian Larch, ThermoWood® and a range of hardwoods, the range is supported by a knowledgeable customer support team, factory pre-finishing and fire treatment services, industry leading website, technical specifications and downloadable BIM objects.

For the natural choice, speak to the timber cladding experts.



0151 495 3111 (Cheshire)

01895 271 300 (West London)

For more information visit:

www.silvatimber.co.uk
enquiries@silvatimber.co.uk



SILVA
TIMBER PRODUCTS



Timber cladding secrets explained

Timber cladding has boomed in recent years. However, as early installations now mature it's time to reflect on what has and hasn't worked. Tom Barnes of Vastern Timber reflects on the ways to ensure cladding installed today looks good and performs for years to come

There are many reasons why timber cladding has enjoyed a renaissance in recent decades, not least that it is one of the easiest ways to give a design that 'something special'. Although an ancient technique, timber cladding declined in the 20th century as brick and clay dominated house building. However, in recent years, and due in part to a growing appreciation of the importance of sustainability, timber cladding has become commonplace.

Thanks to the number of available tree species and grades of timber used, the range of textures and finishes is literally infinite. On top of this, natural and unique weathering effects will occur dependent on exposure and location. This is all part of the natural attraction of timber cladding.

To ensure cladding delivers on its potential to create an attractive finish with unique character,

specifiers need to understand the specific influencers – both natural and human – that will dictate how the cladding will behave over time. Many examples of cladding still look beautiful five - 10 years after installation, but in other cases it has not fared as well because the designers and installers did not fully understand or appreciate the influencing factors such as how particular species will react in the modern environment; and the effect that elevation and aspect has on the speed and consistency of weathering over time.

Timber cladding is often used in a natural and unprotected state. Common cladding species typically used are naturally durable and do not need protection if they are not in ground contact. This is an important benefit as the application of surface treatments can prove costly and time consuming. However, when left in its natural state timber will weather more quickly than when protected, and will also be more prone to environmental influencers such as ultra-violet light (sunlight), moisture and even pollution.

Common unexpected changes in the appearance of timber cladding can include extractive staining in woods like oak, sweet chestnut and western red cedar, where soluble organic compounds in the wood migrate in the presence of rain to leave staining. Also, black and green mould is caused by a lack of sunlight and perpetually damp conditions. Particulates in pollution can settle on the cladding surface and react with the natural extractives in the wood to create an unsightly blackening effect. Finally, natural surface greying (bleaching), which can be a highly attractive feature, will be undesirable if it is uneven due to different levels of exposure to rain and sunlight.

Oak and sweet chestnut have become very popular woods for cladding projects. These species are heavy in tannic acid, which is very reactive and brown in colour. In some cases these



species have been used to clad the top storey of buildings while the lower storey has featured bright white render. In such cases rainwater can cause the tannins to leach out from the wood, often resulting in staining on the render. Also, ferrous particulates common in urban road pollution will react with these extracts to cause an unattractive blackening of the surface.

"Timber cladding is often used in a natural and unprotected state. Common cladding species typically used are naturally durable and do not need protection if they are not in ground contact. This is an important benefit as the application of surface treatments can prove costly and time consuming"

Canadian cedar is the most popular species for cladding. In unpolluted rural areas, and on designs that have considered weathering factors, uncoated Canadian cedar will develop a beautiful silver/grey colour. The species itself is not problematic, however, its inappropriate use in the wrong environment and a failure to consider specific weathering factors can result in an unattractive patchy appearance.

Timber cladding is often used on large buildings with numerous elevations and overhangs. With such projects, each panel will invariably face a different set of weathering factors, such as exposure to rain, snow, ice, and differing amounts of UV light and wind. As a result there will be a huge amount of differential

Continued on page 79...

**HIGH GRADE SOLID STOCK
TIMBER FLANGES** AVAILABLE
FROM 145
DESIGNED AND TREATMENT TO CLASS 2
MANUFACTURED IN THE UK CONDITIONS **DEPTH**
NON-STANDARD LENGTHS AVAILABLE

**SPECIFY
JJI-JOISTS
AND WE'LL
GIVE YOU
AN I-FULL.**

FULLY BIM COMPATIBLE FREE DESIGN SOFTWARE

**HIGH LEVEL
ENGINEERING
SUPPORT** **I-JOIST OF
CHOICE
FOR ON-SITE
TRADES** **TECHNICAL
FIELD
FORCE**
QUALITY MEANS PERFORMANCE AND ACCURACY
ONLY UK I-JOISTS
VERIFIED TO PAS2050
FOR ACCURATE
CARBON NUMBERS **EASY TO NAIL
AND SCREW** ONLY UK I-JOISTS
WITH FSC OR PEFC
CERTIFICATION

You can rely on JJI-Joists to succeed—whatever the challenge, because JJI-Joists are jam packed with features to make your life easier, and the job quicker. We are the most popular I-Joist in the UK and the I-joist most specified by architects and engineers. So, whether designing or building, choose JJI-Joists with confidence. You'll find there's so much more to them than meets the eye.

WEB: www.jamesjones.co.uk/ewp EMAIL: jjj-joists@jamesjones.co.uk



weathering to consider, and these weathering effects can be highly noticeable if not enough consideration is given to aspect and elevation, or where detailing serves to compound the issue. It is also important to remember that the inconsistent weathering effects caused by detailing, such as overhangs, recesses and even cills, will be accentuated by the lack of sunlight affecting a northerly elevation.

People often ask, how can they preserve the initial colour of timber cladding? The simple answer is that in the long term, they can't. A clear treatment, reapplied at the correct intervals, will significantly slow the weathering process, but it is a battle that will eventually be lost. A pigment treatment will protect the wood for longer, but obviously you are no longer looking at the natural colour of wood. Also, care should be taken when selecting pigmented treatments as some are not all that attractive.

There is an alternative timber cladding

“People often ask, how can they preserve the initial colour of timber cladding? The simple answer is that in the long term, they can't”

solution that negates many of the concerns about unpredictable natural weathering and which does not need treatment. Furthermore, it provides stability and more consistent weathering effects with no extractives to bleed or react with pollution, and it maintains clean straight lines, with less surface break down, and less cupping.

Thermally Modified Timber is a relatively new innovation where the timber is super-heated to temperatures between 160° and 210°. The combination of high heat and steam reconfigures the wood to deliver a material of exceptional stability, durability and aesthetic uniformity that is highly resistant to decay. The dark brown colouring of thermally modified products and their performance in exterior applications make them ideal replacements for tropical timber products.

The thermal modification process involves no chemicals and does not rely on impregnating the timber. The most impressive outcome of the thermal modification process is that products are significantly more stable than non-modified timbers resulting in significantly less expansion and contraction when faced with changes in ambient temperature and humidity, making them a superior solution for a range of exterior uses, including cladding. Additionally, the process reconfigures wood that would normally rot when used outside, into products that will last 30 years and more without treatment.

Ultimately, it is important to understand that, as a natural material, wood will change colour and appearance over time. Consideration given to shading due to elevation and detailing, as well as appropriate selection of timber species, will result in a cost effective and long lasting finish that will look beautiful for many decades.




CLAD
 QUALITY TIMBER CLADDING
 Q-Clad pre-painted, fine sawn, featheredge (rebated) timber cladding. Available in white or black. PEFC certified


garden
 QUALITY GARDEN PRODUCTS
 Q-Deck Multi-purpose Screening lath. An easy way to create great looking privacy garden screening and deck balustrading.


SHADES
 PRE-STAIN TECHNOLOGY
 Coming soon. Affordable, Durable, Stylish, Q-Shades coloured timber decking and cladding!

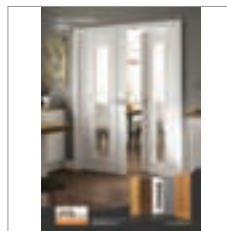




Buy online via www.qualitydecking.co.uk
 Tel: (0800) 849 6339 (Mon-Fri 9-5pm)

Enq. 229

JB Kind Doors: 2016 Door Collection



JB Kind's packed 84-page 2016 Door Collection is an excellent combination of new doors, firm favourites and its trademark expert advice. The brochure continues to offer more than 200 traditional, contemporary and innovative door designs across the budgetary spectrum, as well as the exciting new textured Ripple door design that is

seriously affordable and at the forefront of interior design. JB Kind's easy to install, pre-assembled pocket door systems now offer all the accessories needed to fit this stylish space saving sensation.

01283 554197 www.jbkind.com

Enq. 230

Timbmet's first UK installation of new range



For its first UK installation, new Timclad exterior cladding has provided the finishing touch for two four-bedroom high quality, high specification houses recently completed in the upmarket area of Sandbanks on England's south coast. This factory-painted end-matched exterior cladding is available in the UK through Timbmet, one of the country's

leading suppliers of timber and timber related products. It is manufactured in Finland by Siparila, which has been supplying timber cladding to Scandinavian housebuilders for nearly 30 years.

01865 860303 www.timbmet.com

Enq. 231

Competitive engineered timber joist floor solutions

A partnership of industry leaders to design and supply quality, simple and safe to install structural timber floor systems. Tailored to suit your needs, guaranteed on-site operational cost effectiveness and delivery nationwide.

T: 01159 306008 www.donaldsontimberengineering.co.uk



Enq. 232



TARGET TIMBER SYSTEMS

Traditional Values using Modern Methods of Construction

**BEAUTIFUL CONTEMPORARY HOME IN WEST SUSSEX
BUILT BY THE BUILDER OWNER**



Target Timber Systems Ltd carry out the engineering, design, manufacture and erect of bespoke Timber Frame buildings to their clients own design and specification.

A full set of structural calculations are provided for local authority building control approval along with an NHBC certificate if required.

As well as our open panel Timber Frame system we can provide factory fixed insulation and factory fixed double glazed windows minimising site time and ensuring your project is weather tight and secure as quickly as possible.

For further information please contact Gary Gooch or Nick Whittle on **01483 782600** or e-mail **info@targettimber.com**

Target Timber Systems Ltd, 29 High Street, Billingshurst, West Sussex RH14 9PP
www.targettimber.com

Enq. 233



Before you deck-it or clad-it check out our helpful resources




Online resources to help you design and build solid and long lasting decking and cladding structures in wood.

Your route to independently accredited materials, accessories, designers and installers.

Decking: www.tda.org.uk
Cladding: www.timbercladding.org
info@tdca.org.uk | 01977 558147



Enq. 234



LEADON TIMBERFRAME

ARCHITECTURAL TIMBERFRAME SPECIALISTS

Manufacturers of Quality Timber Frame Buildings

Wood Web Joists • SIP Panels
Open & Closed Panel Construction

Can you Afford not to use Leadon TimberFrame

Tel: **028 8675 1521**
www.leadontimberframe.com
email: info@leadontimberframe.com

79 Dunnamore Road, Cookstown BT80 9NX




Enq. 235



www.hbdonline.co.uk

The Housebuilder & Developer website is an online provider of past and present products and news items for housebuilders & developers. Regularly updated with hundreds of press releases hbdonline.co.uk is a one-stop source for all the latest press releases providing you with access to information about products and services you require for all projects as well as relevant news and case studies.



Digital Issue

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



HBD Newsletter

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

AIR CONDITIONING & VENTILATION

Beko Technologies Ltd
Tel: 01527 575778
www.beko-technologies.co.uk

Nuaire
Tel: 029 2088 5911
www.nuaire.co.uk

Space Air Conditioning
Tel: 01483 504 883
www.spaceair.co.uk

Wilo UK Ltd
Tel: 01283 523000
www.wilo.co.uk

AIR TIGHTNESS & TESTERS

BUILDING REGULATION COMPLIANCE TESTING Part E: Sound Insulation Part F: Ventilation Part L: Air Tightness	
Fast Response Fully Accredited UK's No. 1	Nationwide Service ATMA Members Competitive Fees
Call Today: 0800 587 1000 <small>Quote Ref:-BS001 to receive a discount</small> compliance@bsria.co.uk www.bsria.co.uk	

Enq. 501

BALCONIES & BALUSTRADES

Balco Balcony Systems Ltd
Tel: 0800 652 4526
www.balcouk.com

Sapphire Balustrades
Tel: 0844 88 00 553
www.sapphirebalustrades.com

SG System Products
Tel: 01473 355907
www.sgsystemproductsipswich.co.uk

Windoor UK
Tel: 0870 067 88 10
www.windooruk.co.uk

BATHROOMS & SHOWERS

Lecico
Tel: 01234 244030
www.lecico.co.uk

BUILDING PRODUCTS & SERVICES

Alumasc Group
Tel: 01536 383844
www.alumasc.co.uk

British Gypsum
Tel: 0844 800 1991
www.british-gypsum.com

F H Brundle
Tel: 01708 25 35 45
www.fhbrundle.com

FP McCann
Tel: 0287 964 2558
www.fpmccann.co.uk

BUILDING PRODUCTS & SERVICES

Francis Flower Northern (Gypsol)
Tel: 01928 574574
www.francisflower.co.uk

Lindab
Tel: 0121 585 27 80
www.lindab.co.uk

NHBC
Tel: 0844 633 1000
www.nhbc.co.uk

Norbord
Tel: 01786 812921
www.norbord.co.uk

Proctor Group
Tel: 01250 872261
www.proctorgroup.com

Roger Bullivant
Tel: 01283 511115
www.roger-bullivant.co.uk

SIG plc
Tel: 0114 285 6300
www.sigplc.com

Swish Building Products
Tel: 01827 317200
www.swishbp.co.uk

Tarmac / Lovell
Tel: 0800 917 8888
www.tarmac.co.uk

Terram Ltd
Tel: 01621 874200
www.terram.com

Wienerberger
Tel: 0161 491 8200
www.wienerberger.co.uk

01435 863500
www.hbdonline.co.uk

CAD & SOFTWARE

Standing Stone
Tel: 01661 886653
www.standing-stone.co.uk

COATINGS, SEALANTS & PAINTS

Barrettine Group
Tel: 0117 960 0060
www.barrettine.co.uk

CONSERVATORY ROOFS

Made for Trade
Tel: 0844 335 1226
www.madefortrade.co

DECKING

Saige Longlife Decking
Tel: 01789 721576
www.saigedecking.com

DOORS & WINDOWS

SASH WINDOW LOCKS

ROLA		ROLA
www.sashwindowlock.com TEL: 0844 482 20 34 FAX 01708 768 825		

Enq. 502

Marlin Specialist Glazing Solutions
Tel: 01535 603909
www.marlinwindows.co.uk

SKAALA
Tel: 01224 224 567
www.skaala.com

ENVIRONMENTAL REPORTS

GeoSmart Information
Tel: 01743 276 150
www.geosmartinfo.co.uk

To get your company listed here,
contact us today on
01435 863500

FINANCE & INSURANCE

Business Lending Group – BLG Development finance
Tel: 0845 465 6500
www.business-lending.co.uk

Trade Direct Insurance Services
Tel: 01635 37844
www.tradedirectinsurance.co.uk

Moody Venture Capital
Tel: 01277 354222
www.mvfinance.co.uk

FIRES & FIREPLACES

Clearview Stoves
Tel: 01588 650401
www.clearviewstoves.com

Specflue
Tel: 0800 9020220
www.specflue.com

FLOORS & FLOORING

IVC Group
Tel: 07799 896522
www.ivcgroup.com

FOLDING SLIDING DOORS

Folding Sliding Door Company
Tel: 0845 644 6630
www.foldingslidingdoors.com

GLASS & GLAZING

Selectaglaze Ltd
Tel: 01727 837271
www.selectaglaze.co.uk

HEATING, VENTILATION & PLUMBING



Radiator specialists

AEL Heating Solutions

HEATING SOLUTIONS
Tel: 01928 379068
Fax: 01928 379523
e-mail: sales@aelheating.com
www.aelheating.com

Enq. 503

Begetube

Tel: 01463 246600
www.begetube.co.uk

Encasement

Tel: 01733 266 889
www.encasement.co.uk

Envirovent

Tel: 0121 685 2100
www.eaton.com

Mitsubishi Electrical

Tel: 01707 276100
www.mitsubishielectric.co.uk

UK Plumbing Supplies

Tel: 01625 877222
www.uk-plumbing-supplies.co.uk

INSECT SCREENS



The Flyscreen Company

3K Flyscreen Systems for Windows & Doors
3K Insect Mesh for Cladding & Ventilation

Tel: 01454 238288 - Fax: 01454 238958
sales@flyscreen.com
www.flyscreen.com

Enq. 504

INSULATION

Cellecta

Tel: 08456 717174
www.cellecta.co.uk

Greentherm Solutions (Icynene)

Tel: 01229 716039
www.uksprayfoam.co.uk

Kingspan Insulation

Tel: 01544 388 601
www.kingspaninsulation.co.uk

Knauf Insulation

Tel: 0844 8000135
www.knaufinsulation.co.uk

IRONMONGERY

Ironmongery Direct

(Essex Fittings Ltd)
Tel: 0808 168 28 28
www.ironmongerydirect.com

KITCHENS & APPLIANCES

Indesit Company

Tel: 08000 921 922
www.indesit.co.uk

Shaws of Darwen

Tel: 01254 775111
www.shawsofdarwen.com

LIGHTING & ELECTRICAL

Eaton Electric Limited

Tel: 0121 685 2100
www.eaton.com

Mitsubishi Electrical

Tel: 01707 276100
www.mitsubishielectric.co.uk

Panasonic Electric Works

Tel: 01908 231555
www.panasonic-electric-works.co.uk

NATURAL STONE
LANDSCAPING PRODUCTS**Husqvarna**

Tel: 0844 8444 570
www.husqvarnacp.com

Jacksons Fencing

Tel: 01233 750393
www.jacksons-fencing.co.uk

Natural Paving Products (UK) Ltd

Tel: 0845 072 1150
www.naturalpaving.co.uk

OAK PRODUCTS

Courtyard Designs

Tel: 01568 760540
www.courtyarddesigns.co.uk

POWER TOOLS

Robert Bosch UK Ltd

Tel: 01895 838847
www.boschprofessional.com

PRODUCT APPROVAL & INSPECTION

British Board Of Agreement

Tel: 01923 665300
www.bbacerts.co.uk

Sitesafe Ltd

Tel: 01293 529977
www.siteafe.co.uk

01435 863500
www.hbdonline.co.uk

PROFESSIONAL SERVICES

Renault UK Ltd

Tel: 0844 335 0000
www.renault.co.uk

Robust Details Ltd (NHBC)

Tel: 0870 240 8209
www.robustdetails.com

Sky

Tel: 020 7705 3000
www.sky.com

To get your company listed here,
contact us today on
01435 863500

PUMPING STATIONS

J T Pumps

Tel: 0844 414 5800
www.jtpumps.co.uk

RAINWATER PRODUCTS

Aluminium Roofline Products

Tel: 0116 289 44 00
www.arp-ltd.com

RENEWABLES

SCHOTT UK Ltd

Tel: 01785 223166
www.schott.com/uk

ROOFING & CLADDING

Euroclad

Tel: 02920 790 722
www.euroclad.com

Eurocell Profiles

Tel: 0300 333 6525
www.eurocell.co.uk

Freefoam Building Products

Tel: 01604 591 110
www.freefoam.com

Marley Eternit

Tel: 01283 722588
www.marleyeternit.co.uk

Monier Redland

Tel: 08705 601000
www.monier.co.uk

National Federation of Roofing Contractors (NFRC)

Tel: 020 7648 7663
www.nfrc.co.uk

Steadmans

Tel: 016974 78277
www.steadmans.co.uk

Steni UK Ltd

Tel: 01978 812111
www.steni.co.uk

SAFETY & SECURITY

Charter Specialist Security

Tel: 020 8507 7717
www.charter-security.co.uk

Fibregrid Ltd

Tel: 01440 712722
www.fibregrid.com

Safetyworks & Solutions

Tel: 01487 841 400
www.safetyworksandsolutions.co.uk

SEWAGE TREATMENT

TT Pumps Ltd

Tel: 01630 647200
www.ttpumps.com

SMOKE & FIRE PROTECTION

Kidde Fire Protection

Tel: 0800 917 0722
www.kiddesafetyeurope.co.uk

STONEMASONRY & MASONRY

Worcestershire Marble

Tel: 08454 503300
www.coolgranite.co.uk
www.coolsurfaces.co.uk

Haddonstone Ltd

Tel: 01604 770711
www.haddonstone.com

Sytex Uk Ltd

Tel: 01483 234 885
www.sytex.co.uk

TEMPORARY ACCOMMODATION



Worcestershire Caravan Sales
Used caravans from £1,000

Up to 200 used static caravans to view.
Suitable for temporary accommodation.

From 20'x10'
to 30'x12'

Two & three
bedrooms.

Some double
ground / central
heating.

Open 7 days
a week.

www.worcestershirecaravansales.co.uk
Tel: 01299 879875 Email: wcaravans@bt.com

Enq. 505

TIMBER PRODUCTS

Hoppings Softwood Products PLC (Q-Products)

Tel: 0800 849 6339
www.hoppings.co.uk

TOOLS & EQUIPMENT

Leica Geosystems

Tel: 01908 513 451
lasers.leica-geosystems.com/uk



'A'-mazing



- ▶ Our first 'A' rated* cylinder for energy efficiency
- ▶ Give a 28% SAP score improvement
- ▶ Helps your customer save money on their bills
- ▶ Quicker and easier to install and setup with its built-in expansion space and side hot water outlet



The Range Tribune Xe - why would you choose any other hot water cylinder?

To learn more about the Range Tribune Xe, visit www.kingspanenviro.com or call **0345 260 0258**

* 'A' Rated score for 120L & 150L indirect cylinder models

Reader
Enquiry
402

