

selfbuilder & homemaker

Sept/Oct 2014

www.sbhonline.co.uk



FEATURES IN THIS ISSUE:

Garage Doors
Glass & Glazing
Landscaping & External Finishes
Rainwater & Greywater Products
SIPs
Fires & Fireplaces Showcase
Conservatories & Orangeries Interiors Showcase

Sunday Times British Homes Awards 2014

Selfbuilder & Homemaker report on the shortlist of projects ready for a case study on the winner in the next issue.

Pictured is the shortlisted Wedge House by SOUP Architects





the **underfloor heating** store



affordable luxury for every
dream home!



...building towards an energy efficient future!

- ✓ underfloor heating systems
- ✓ ideal for new builds
- ✓ easy to install kits
- ✓ UK's lowest prices
- ✓ free delivery

Enq no.
401



water
underfloor heating

kits from just
£409.99 inc vat

+  **FREE
DELIVERY**



as **SEEN** on TV...

sky

BBC

DIY SOS

4 THE HOME SHOW

call today for UK's lowest prices

0844 800 3396

technical advice line

01268 567016

www.theunderfloorheatingstore.com

contents



features

24

BUILT FOR SHARING

The award-winning Lancaster Cohousing project on the banks of the River Lune is fast becoming an inspiration for sustainable low-cost communities of the future, as Heather Dixon reports

50

A DOOR TO THE FUTURE

Simon Hipgrave is managing director of Britain's leading garage door manufacturer Garador. Here he explains what is involved in making that vital choice of a garage door for your home

55

FRAMING A WINDOW REVOLUTION

Chris Coxon, head of marketing at Eurocell, looks at why the latest frame designs offer self-builders more choice than ever when it comes to windows

64

GOOD EXTERIOR LANDSCAPING IS ABOUT MORE THAN KERB APPEAL

After another spring of storms and their subsequent flood stories making a stake in the headlines, Andrew Gill, marketing manager at Brett Landscaping, takes a look at the hard landscaping options available to the self-builder and offers advice on how to get the best for their project

67

RAINWATER HARVESTING TAKES ON NEW IMPORTANCE

As dry spells and hosepipe bans become more common in the UK it is more important than ever before for self-builders to consider the benefits of rainwater harvesting. Martin Wadsworth of Aquatic Ltd explains both the short- and long-term advantages of rainwater harvesting for savings to homeowners and the environment

71

PUSHING THE ENERGY EFFICIENT ENVELOPE

Chris Duckworth, commercial director of SipBuild UK, explores how the drive for sustainable construction is taking the industry huge strides closer to a more energy efficient building envelope

product round up

Appointments & News.....	04 -36
Bathrooms & Wetrooms.....	37
Building Products & Services.....	37 -38
Conservatories & Orangeries	34
Doors & Windows.....	38 -42
Finance & Insurance	42
Fires & Fireplaces	43 -49
Garage Doors	49 -52
Glass & Glazing	52 -59
Groundworks & Sewage Treatment.....	60
Heating & Renewable Energy.....	60 -62
Kitchens & Appliances	62
Landscaping & Ground Reinforcement.....	63 -66
Plant, Tools & Equipment.....	66
Pools & Spas.....	66
Rainwater & Greywater Products	66 -69
Roofing	69
Stairs, Balustrades & Balconies	69
SIPs	70 -73
Timber & Joinery	73
Water & Damp Proofing.....	73

also in this issue

32

CONSERVATORIES & ORANGERIES INTERIORS SHOWCASE

35

EDITOR'S FOCUS

44

FIRES & FIREPLACES SHOWCASE

74

CLASSIFIED & DIRECTORY



Cover image of Wedge House: SOUP Architects, courtesy of the Sunday Times British Homes Awards 2014. See pages 4-5 for more.



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

Advertising & administration

Tel: 01435 863500
Fax: 01435 863897
Email: info@netmagmedia.eu
Website: www.sbhone.co.uk

Editorial features

Tel: 01435 863500
Fax: 01435 863897
Email: lesley@netmagmedia.eu

Press releases

Email: editorial@netmagmedia.eu

Publisher:

Simon Reed

Sales director:

Lesley Mayo

Editor:

David Mote

Deputy editor:

Gabrielle Vinyard

Editorial & production assistants:

Roseanne Field, Kate Holman &
Mikey Pooley

Display sales:

Liam Cornford, Nathan Hunt &
Sheehan Moir-Edmonds

Sales executives:

Suzanne Easter & Kim Friend

Circulation/reader enquiry service:

Jane Spice

Subscription costs just £18 for 6 issues, including post and packing. Phone 01435 863500 for details. Individual copies of the publication are available at £3.25 each inc p&p.

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 Selfbuilder & Homemaker, the publisher can accept no responsibility for the claims or opinions made by contributors, manufacturers or advertisers. Editorial contributors to this journal may have made a payment towards the reproduction costs of material used to illustrate their products. The manufacturer of the paper used within our publication is a Chain-of-Custody certified supplier operating within environmental systems certified to both ISO 14001 and EMAS in order to ensure sustainable production. Printed in England



editor's letter



Hello,

The interest in self-build continues to grow and government initiatives like the planned garden cities are showing how important self-build can be when bump-starting new developments. Things will only get more interesting in the world of self- and custom-build and we will make sure our readers are kept well informed.

I believe the housing sector, of which self-build forms an important part, is entering an exciting new era and I am very happy to be helping *Selfbuilder & Homemaker* bring news and examples of thought leadership to our growing readership.

I hope you enjoy reading our magazine and find the articles both interesting and possibly even educational.

All the best,

Sunday Times British Homes Awards 2014

Sponsored by Homebase The British Homes Awards have been pivotal in providing a catalyst for change in the creation of new homes and has this year received record levels of

entries across all the award categories.

Organiser Mike Gazzard Hon FRIBA, explained: "With the support of the Sunday Times and our many commercial and industry



POBBLE HOUSE: GUY HOLLOWAY ARCHITECTS: ASF BESPOKE DEVELOPMENTS

Garden City prizewinner signals the possible way forward for self-build in Kent

The recently announced Wolfston Economics Prize, which was focused on "how would you deliver a new garden city which is visionary, economically viable and popular" saw self-build feature highly in Shelter's runner up entry. Shelter worked closely with PRP, KPMG, Laing O'Rourke and Legal & General to create a proposal located on the Hoo Peninsula in Kent. The proposed Stoke Harbour Garden City, if given the green light, would over 15 years, create a community of 30,000 to 40,000 people.

Shelter suggested that the key to its concept is 'the city that built itself' and the new community would achieve scale at speed by mobilising resources from landowners, major investors, self-builders, small firms, and local residents. It would 'foster a vibrant and diverse community from the start'.

The plan would see just over 1,000 self-build homes built in the first five years of construction with almost 900 more being built over the next seven years. Key to the success of the proposal is that early sales and accelerated early home construction would be achieved by encouraging underserved markets with untapped demand

like self-builders and family-sized shared ownership.

Shelter confirmed that: "Self-build is central to our vision of 'the town that built itself' and to our business plan. Self-build will provide 1,865 of the first 15,000 homes, and will encourage early movers/pioneers, improve cash flow, and add diversity and character to our town from the start."

It is also envisioned that the existing Stoke Harbour could be used by a flotilla of houseboats that would provide an opportunity for self-builders to live near the site pre-occupancy. It would also create an alternative water-based community that would increase service demand for the fledgling settlement and contribute to the diversity and viability of Stoke Harbour during its early construction stages.

The proposed garden city's self-build sector will be a real option for people from all incomes and is based on the enormous latent demand from people to commission or build their own home. Shelter quotes Ipsos MORI findings, which have suggested that there is currently six million people in the UK researching how to build their own

home. However, most could fail to realise their dream due to affordability

In addition to individual self-builders the proposal recognised the growing movement of community-led housing groups that seek to self-build collectively, which may be motivated by a desire to create a supportive shared environment for their retirement years, or the desire for their children to share bigger gardens.

Shelter confirmed that if the city was given the go ahead they would actively promote opportunities to acquire plots for a variety of self-build models, and offer a range of financial options to assist with this. They would do so via regional media and the extensive network of aspiring self-build and community-led housing schemes. The proposed garden city would harness the huge pent up self-build demand and allow thousands of young families to create affordable homes for themselves.

The Shelter led consortium won the £50,000 as runner-up prize. However, they may find it more difficult to win over local landowners, north Kent based planners and existing Hoo communities.

the sunday times british homes awards

partners the awards have gone from strength to strength. The growth in the housing market, encouraged by the government, has seen housebuilders of all sizes designing and building amazing homes and creating the kind of communities the country really needs. The judges were particularly impressed with the quality of the many bespoke home designs submitted."

Sponsored this year by Todd Doors the one-off house or extension category recognises properties designed by an architect to bespoke commission or for speculative sale. Judged within three sub categories this year's short list includes:

Up to 2,500 sq ft

- Dalston House: HÜT Architects: ASAP Construction
- Eidolon House: Dominic McKenzie Architects: Harris Calnan Construction
- Four Views: AR Design Studio: Mike Jacobs Builders
- Pobble House: Guy Holloway Architects: ASF Bespoke Developments
- The Garden House: De Matos Ryan

Between 2,500 and 5,000 sq ft

- Harrogate House: Bramhall Blenkharn: Dane Developments
- Walnut Burrow: PFG Design: Masma Ltd.
- Wedge House: SOUP Architects

Above 5,000 sq ft

- Ball House: Gareth Hoskins Architects
- Colts, Henley on Thames: The Manser Practice
- Fishbourne Quay: The Manser Practice
- St John's Wood House: Alan Higgs Architects
- The Garden House: Des Ewing Residential Architects: MG Construction

Commenting on the awards last year the then Minister for Housing, Kris Hopkins MP, said: "The British Homes Awards continue to demonstrate the most imaginative and innovative designs, which inspire the creation of beautiful homes built to high environmental standards using the latest technologies."

A report on the winning one-off house or extensions will be covered in the next issue of *Selfbuilder & Homemaker*.



WEDGE HOUSE: SOUP ARCHITECTS

OFF-GAS-GRID HEATING COSTING THE EARTH?

If you have high heating bills, it might be worth switching to renewable heat sources like heat pumps, biomass boilers or solar thermal. The Renewable Heat Incentive entitles you to payments for 7 years, which could be worth up to £2250* per year – and you could cut your heating bills too. Eliminate the need for oil, LPG or electrical heating while helping the environment. **See how you can benefit.**



Department
of Energy &
Climate Change

The Renewable Heat Incentive

call 0300 123 1234

or visit gov.uk/rhi

Reader
Enquiry
101

*Based on a 4 bedroom well-insulated detached house with a heat demand of 17,000 kWh using an installed ground source heat pump. Available to eligible householders in England, Scotland and Wales. Not restricted to those off the gas-grid. Applicants may require a Green Deal assessment for which there is likely to be a charge. Applicants must use an MCS (or equivalent) certified installer and installation. Terms and conditions apply, see gov.uk/rhi

Sale of site heralds start on the "UK's largest self-build community"

Cherwell District Council plans to build up to 1,900 homes on a former Ministry of Defence site in Bicester, Oxfordshire. The ex MoD Graven Hill site will provide a mixture of tenure opportunities, including kit homes and self-build houses. It is planned that the 187-hectare site could also accommodate 1 million sq ft of commercial space and create up to 2,000 new jobs and apprenticeships.



Leader of Cherwell District Council, Barry Wood explained: "The sale of this site is representative of several years' work behind the scenes to secure this purchase and completes the first stage of our vision to deliver the UK's largest self-build community."

Planning consent has already been granted for the new homes along with a primary school, employment space, a pub or restaurant and a small number of local shops.



The self-build concept will also include community projects where the owner designs the property but employs contractors to build it. The properties will vary in size but are likely to include detached, semi-detached and terraced homes of differing sizes, apartment blocks and bungalows.



Government provides self-build short-term project finance

Housing and Planning Minister, Brandon Lewis has launched the bidding criteria for a share of £200 million fund, provided to help create 10 housing zones on brownfield land.

The new housing zones, which will be outside London, must be of a suitable size to deliver 750 to 2,000 new homes, and support plans for the 20 new London housing zones. The dedicated bidding process for the London housing zone £400 million fund, provided by the government and the Mayor, is already underway.

Bidding for part of the £200 million commenced on the 22 August, at which time local authorities wishing to complete an application were able submit their bid through the HCA's Partner Portal. Associated



bidding documentation templates were also made available on 22 August.

Funding applications will need to demonstrate a commitment to build the new homes as quickly as possible, take advantage of innovative building and delivery techniques, including custom build.

To provide greater focus the bids must also consider whether the proposed housing zone sites can be linked to other government-backed initiatives including the Custom Build Serviced Plots Loan Fund.

Brandon Lewis explained: "The new dedicated housing zones will transform disused and derelict land, and ensure the new homes are built quickly in a process that is more straightforward for councils and builders."

land available

Serviced plots available in Devon for self or custom builders

Devon Self Build is currently working on a project which will consist of six serviced plots, each with detailed planning for a detached four to five-bedroom homes, with double garage, in Devon hamlet of Maidencombe.

Plots will range up to 0.6 acres in size, with additional amenity land available, and cost from £135,000 to £195,000. All the homes are private tenure, and will enjoy far reaching views to Dartmoor.

Maidencombe itself is a tranquil haven nestled between the seaside village of Shaldon and the English Riviera, close to the beach on a beautiful stretch of the South West Coastal Path. Local schools, pubs and facilities for horse riding, golf, sailing, and fishing are all

within easy reach.

The site originally comprised of an existing Victorian property and now has full planning permission for six contemporary, detached homes. The planning consent comprises of four three-storey detached, four to five-bedroom houses with a private double garage. These properties will also have additional parking, a private garden and balconies on the first and second floors.

The final two plots will be single storey, detached four-bedroom homes with double garages, additional parking, a garden and small paddock.

A local architect will design all the properties and internal layouts of each property can

be simply customised to suit individual requirements. Changes to the external appearance would be subject to obtaining revised planning approval.

Devon Self Build will arrange the infrastructure to service each plot to avoid the risks of unforeseen events commonly found in the initial ground works. They will also provide a full set of land and soil analysis data for each site and the provisions of all services to the plots. A fixed infrastructure charge will be levied on each plot. This charge would also cover section 106 planning contributions, provision of the communal road areas, and communal landscaping.

robust details

Lord Tebbit calls for Robust Details concept to be expanded into other areas of regulation

Speaking at Robust Details' 10th anniversary event at the House of Lords, Lord Tebbit called on the government to be: "As open minded and radical as those who were there 10 years ago which allowed the creation of Robust Details."

Lord Tebbit went on to praise the introduction of the Robust Details scheme for sound insulation standards in new homes, which he described as being, 'an inspired example on all sides of how the business of government in regulating could be made user-friendly'.

Celebrating its 10th anniversary, Robust Details was originally formed to simplify building regulations by providing an alternative to pre-completion sound testing. The resulting scheme, which has now been used in 725,000 new-build houses and apartments since being



introduced, has given homebuilders a reliable and effective route to compliance over the last 10 years.

Lord Tebbit also praised the work of the civil service and called on the Robust Details concept to be expanded into other areas of regulation.

Speaking after the event Robust Details CEO, Dave Baker, said: "We are very grateful to Lord Tebbit for hosting Robust Details 10 Year Anniversary

event. It is a real pleasure to have someone of his vast experience speaking so highly about Robust Details.

"The past 10 years have shown how popular the Robust Details scheme has been with the housebuilding industry, and we welcome Lord Tebbit's call for the concept to be expanded into other areas of regulation."

Order by 8pm. Get it Next Day!



For a huge range of stylish door and window hardware at low trade prices, **call today** for your **FREE** catalogue!

- ✓ **UK's Biggest Range**
- ✓ **Minimum 5 Year Guarantee**
- ✓ **Order by 8pm get it Next Day**
- ✓ **Free Returns**



Reader
Enquiry
102

 **0808 168 28 28**
 **IronmongeryDirect.com**

 **DOWNLOAD OUR FREE APP FROM YOUR APP STORE**  

TEXT **RBAB** to 62244 FREE! With name, address and email for your FREE catalogue.



IronmongeryDirect

MASTERS OF OUR TRADE

DOOR FURNITURE • WINDOW & JOINERY HARDWARE • SLIDING DOOR HARDWARE • HINGES • DOOR CLOSERS • FIRE CONTROL • SIGNS • LOCKS
LATCHES & SECURITY • CABINET FURNITURE • SHELVING & STORAGE • BOLTS & STOPS • SEALANTS & ADHESIVES • SCREWS & FIXINGS

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

WITH BI-FOLDING SLIDING DOORS



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

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

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



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



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



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



CHILD FRIENDLY
Finger safe gaskets
Easy operation





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



The Folding Sliding Door Company

Call: **0845 644 6630**

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

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

Reader Enquiry
103

Greater London Authority Conservatives encourage self-build on infill sites



Steve O'Connell, planning spokesman for the London Assembly has published a report 'Gap in the Market', which encourages the creation of self-build homes to help tackle the city's undersupply of homes, rising house prices and rents. The report recognises that London needs to experience a significant increase in housing supply and that currently there are thousands of redundant and disused spaces across London that could be converted into new communities.

While some boroughs have adopted the Wandsworth pioneering 'hidden homes' approach, which transformed empty sites into new homes, this initiative has still to be explored in all areas of London.

The report says that this has to change and identifies research which suggests that, if all boroughs fully explored this potential, at least 10,000 new homes could be delivered on infill sites within the next 10 years. In other words, more than the total number of new homes currently being created on the Olympic Park site.

Steve O'Connell believes that infill housing offers a unique opportunity to broaden the housing market by supporting smaller developers and self-builders. Public sector land is often made available for development on a large scale as conditions typically favour larger developers who have the necessary resources and logistical capacity. However, by definition, infill sites are smaller areas of land, and many of these areas could be suitable for smaller players in the housing market.

In March 2014, the Federation of Master Builders told the London Assembly Housing Committee that the release of public land is crucial to ensuring that new entrants emerge in the housing market, due to rising land costs in the open market.

The London Chamber of Commerce and Industry has also said that encouraging new

entrants to the housing market is a key factor to increase housing supply: "To achieve the increase in supply necessary to cater for London's growing population, new firms should be encouraged to enter the market and existing smaller developers must be supported to grow."

Within the house building industry, the largest developers now account for the vast majority of new homes built. In London, between June 2011 and June 2012, just 23 developers built 70 per cent of new market homes. This poses a risk to the level of housing output, as many developers appear to be unwilling to release more than 150 homes to the market per year, because they believe it is difficult to sell above this level.

By contrast, smaller and self-builders are happier to build on smaller plots at the earliest opportunity. History also shows that during the inter-war and post-war periods, when London had the highest increases in new housing supply, small and medium sized builders had a much larger share of the market.

In addition, the use of small and medium sized homebuilders increases choice in the market, thereby reducing costs. Also, if the firms are local they are more likely to support local employment. Self-build is also a sector that the government is keen to see expand having already made specific funding available to this sector of the market.

The report says that if land were to be made available to smaller developers and self-builders, through infill housing schemes, this would be beneficial to the London housing market and support the wider goal of increasing housing supply. Boroughs and housing associations, when releasing infill land for development, are uniquely placed to help bring this about. The Mayor could also support this process through his recently established London Development Panel, designed

to help bring forward public sector land for development.

Two key report recommendations state that: "London boroughs, working with housing associations where necessary, should identify suitable sites for smaller developers or self-builders through their infill programmes wherever possible."

And: "The Mayor, through the London Development Panel and in discussion with boroughs, should help identify pilot projects to enable small developers or self-builders to build new homes on infill sites for at least 100 new homes."

Explaining why he wrote the report Steve O'Connell said: "We need an urgent, mass scale, coordinated effort to turn the thousands of redundant spaces in blocks and estates into housing. A huge part of this is encouraging people to build their own homes. Some quick research for my report shows that it's possible to build a well-insulated, energy efficient home for less than 50,000. The opportunity to build homes on a shoestring budget will help the likes of young professionals and first time buyers who may otherwise struggle with hefty deposits. What self-builders need is the land to build on – I have identified over 4,000 disused sites and spaces across just 13 boroughs of London, and I'm urging the Mayor of London to initially pilot self-building on 100 of these spaces."

"My action plan also involves every borough identifying their disused sites and spaces, putting them into their next available housing delivery plan, and getting the Mayor to scrutinise them. If all boroughs fully explore this potential we could deliver at least 10,000 homes in 10 years. Let's get started."

For more information on the report visit www.glaconservatives.co.uk/news/new-disused-site-action-plan-deliver-10k-london-homes-10-years/

hca corporate plan

Homes and Communities Agency sets out housing plans

The Homes and Communities Agency (HCA) plans to complete more than 9,500 market sale homes as part of its targets for 2014/15.

More than 5,500 of these will be delivered through the government's Get Britain Building programme, devised for schemes that have stalled due to a lack of finance. In 2013/14, the HCA delivered 6,818 market homes, with 2,839 under Get Britain Building.

These targets are part of the HCA's Corporate Plan covering 2014 to 2018. It said that under this it would continue to increase private sector housing starts 'through market interventions'.

The agency anticipates the sale of around 29,000 homes through

Help to Buy over the 2014/15 period. It also intends to release HCA land to provide more than 6,000 new homes, although it did not confirm if this was aimed at supporting the government's Help to Buy programme.

HCA's chief executive Andy Rose said: "We continue to adapt our approach to reflect the programmes government is asking us to deliver, ensuring an efficient transition from one delivery period to the next."

"However, while our approach may be changing, the outcomes we are seeking remain the same; to meet local priorities and create successful communities with homes and jobs."

TOOLSTATION

A LOT MORE THAN TOOLS



PAINTING & DECORATING



SCREWS & FIXINGS



LIGHTING & ELECTRICAL



WORKWEAR



TAPS & SHOWERS



ADHESIVES & SEALANTS



PLUMBING



**BROWSE
ONLINE OR GET
YOUR CATALOGUE
TODAY!**

**11,000+
STOCK PRODUCTS**

Reader
Enquiry
104

Scan to
find your
nearest branch



Call FREE
0808 100 7211
Mobile Friendly: 0330 333 3303

Drop in
160+ Branches
Find your nearest @ toolstation.com

Visit
toolstation.com
Follow toolstation UK on:

11,000+ STOCK PRODUCTS **LOW TRADE PRICES** **FREE DELIVERY ON ORDERS OVER £10** **OPEN TO ALL, 7 DAYS A WEEK**

One-stop 'Eco-home' show returns

Whether it's meeting building regs, achieving Passivhaus standard or simply a case of improving the overall energy efficiency of your home, it can be confusing and daunting at the best of times to select the right systems and technology for your individual build.

Thankfully, help is on hand at The Big Green Home Show which returns to The National Self Build & Renovation Centre from Friday 24 – Sunday 26 October. Now in its sixth year, the show has placed itself firmly on the map as providing quality content and expert advice in a conducive, relaxed environment where you can find the answers to your questions.

Having listened to previous show visitors, this year the organisers have streamlined the show programme to ensure all visitors get to experience the wide-ranging presentations, demonstrations and tours featured each and every day.

So what's of interest at the show?

- The Self Build Theatre – Building a 'green' home is not just about renewables but about creating an environment using low-energy design principles and investing in the right building fabric from the outset. To find out more about creating an air-tight environment, insulation, ventilation and achieving high thermal mass, head over to this dedicated Theatre which will be run-

ning a series of informative presentations across all three days, including a keynote seminar by Dr Mike Lawrence of HIVE who will be sharing his knowledge and research findings.

- The Green Technology Theatre – Introducing renewable energy systems, such as rainwater harvesting, solar PV/thermal and biomass heating is as much about changing your lifestyle as to increasing the energy efficiency of your home. Here, expert speakers will give an honest appraisal of which 'floor-to-roof' renewable system is most appropriate for your build to ensure that you make an informed purchasing decision.
- Live Demonstration Arena – if being 'hands-on' with your build is important, make your way to this popular attraction in the main Piazza area where the latest self build energy efficiency measures will be demonstrated at regular intervals throughout each day. While at the main Piazza, stay and listen to the personal build stories of those who have lived and breathed a self build, giving an invaluable insight into which sustainable building methods and renewables have proved beneficial.
- 'Ask The Experts' – a host of independent 'eco' experts will be on-hand to give free,

impartial advice throughout each day – be sure to book your consultation slot upon arrival.

- 'Self Build Walking Tour' – the established and renowned Self Building Walking Tour will be conducted by resident technical expert Adrian Hateley at regular intervals each day; however due to their popularity, visitors are advised to book their place upon arrival at the Tour Booking Desk.

Complementing the show is the Centre's permanent Trade Village which features an extensive array of renewable energy products and build materials from over 250 established UK suppliers and manufacturers, giving you a comprehensive 'one-stop' solution.

Open daily from 9-5, The Big Green Home Show is situated just off the M4 at Junction 16 with free, ample on-site parking, disabled access, on-site café and free wi-fi. Further information and downloadable programmes are available on www.nsbr.co.uk. To keep up with the latest daily news on social media, follow @NSBRUK on Twitter and @NSBR Centre on Facebook. We've got 100 pairs of FREE tickets for *Selfbuilder & Homemaker* readers to The Big Green Home Show to give away! For your tickets, simply visit the website and enter code BGHSSBH14.



All in one

Good Food • Hot Water • Warm Home

The heart of your self-build

- Cast iron range cooking with a choice of boiler options
- Superior cooking performance
- Condensing A-rated boilers with over 92% efficiency

For details of your local retailer call 0845 762 6147 or visit rayburn-web.co.uk



Enq. 105

Government consults on further planning reform

As part of the effort to simplify and speed up the planning process the government has launched a consultation exercise, which closes on 26 September, designed to bring further reform to the planning system. The consultation invites views on how best to measure the time it takes from submitting an application to getting it determined.

To help speed up the delivery of new homes housing the government has also

proposed a new development right to convert light industrial, storage and distribution buildings to residential use, provided they were in that use at the time of this year's Budget. It also intends to extend the current permitted development right to convert offices into homes to 2019.

Other proposed changes to neighbourhood planning include the introduction of a statutory time limit of 10 weeks for local

planning authorities to determine applications for neighbourhood areas.

The government will also consult on measures to improve the use of planning conditions. This will include a 'deemed discharge' of certain planning conditions where a planning authority fails to make a decision in a given time. This provision is part of the Infrastructure Bill but the consultation will help establish the detail.

housing figures

National Stats show increase in housing output

The NHBC has reported that private sector registrations were the sole driver of UK housing growth in Q2 2014 with registrations rising 9 per cent to 27,527 during the quarter against Q2 2013.

During Q2, South East England saw the largest rise in registrations. These climbed 48 per cent to 6,434 compared to Q2 2013. The East Midlands also experienced a strong rise of 38 per cent to 3,708 registrations.

In June, total registrations across the UK lifted 14 per cent to 11,726 against the same month last year.

Also, according to the Office for National Statistics (ONS), new housing output increased 17.9 per cent in June compared to the same time last year and that new housing developments had recently been the main provider of growth in all new construction work.

The ONS data, covering Great Britain, also showed a 1.9 per cent rise in new housing output in June compared to May, with a 3.5 per cent increase in Q2 2014 against Q1 2014.

The ONS said that the quarter-on-quarter rise was due to 'three individual months of positive growth', which brought the level of new housing to its highest point since Q4 2007. Output across the construction industry increased 4.8 per cent year-on-year. In contrast, no growth was registered in Q2 2014 against the previous quarter. But month-on-month (June compared to May), overall output rose 1.2 per cent.

The Department for Communities and Local Government (DCLG) has

also reported that private starts climbed 23.7 per cent in Q2 2014 to 29,890 against the same quarter in 2013.

In total, 36,230 homes in Q2 were started, an 18 per cent improvement on Q2 2013 and the same total as the previous quarter.

Private completions in Q2 2014 increased 4.8 per cent to 23,360 against Q2 2013. Compared to Q1 2014, they rose 4 per cent. Total completions during Q2 increased 7.4 per cent to 29,540 against Q2 2013, rising 6 per cent on the previous quarter.

In the 12 months to June 2014, private starts rose 26 per cent to 111,340 against the equivalent period in 2013. Private completions during the 12 months increased 7 per cent to 90,860.

The DCLG said that the yearly starts total of 137,780 marked the highest level of housebuilding since 2007, a 22 per cent improvement on the 12 months to June 2013. Total annual completions lifted 7 per cent to 114,440.

These statistics supported the Construction Products Association's (CPA) Summer Forecasts, which said that private housing starts are set to increase by 18 per cent this year to 134,170 units.

The CPA believe that over the next two years the construction industry will grow approximately 10 per cent and contribute almost £11 billion to the UK economy. The private housing sector is expected to grow 10 per cent in 2015 followed by 5 per cent growth every year to 2018.

Interim report shows zero carbon Solar House success

The UK's first fully solar-powered new build home – featured in the November/December 2013 issue of *Selfbuilder & Homemaker* – is performing above expectations, according to an interim report into the effectiveness of its energy system.

Reviewing energy flows within Caplin Homes' Solar House in Leicestershire, the paper suggests that the building will successfully remain self-sufficient all year round. Performance characteristics of the zero carbon Solar House explores the house's heating and cooling requirements, and reviews the discharging and recharging of the building's unique inter-seasonal energy store, the Earth Energy Bank (EEB).

Even with the relatively mild winter taken into account, energy flows into and out of the EEB, which is drawn upon to heat the house and provide hot water during the coldest weeks of the year, are at a level to effectively recharge in spring and summer. The interim paper shows that the house was able to maintain a stable temperature throughout the winter season.

The Solar House, built by Caplin Homes, uses a unique combination of new and existing technologies to meet its full annual heating, hot water and lighting requirements. The project aims to demonstrate that zero carbon house building is both practical and financially viable.

Compiled by Robin Talbot as part of an MSc by Research degree at De Montfort University's Institute of Energy and Sustainable Development, the interim and final reports will be used to evaluate the system, which was used for the first time in the Solar House. Caplin Homes will then use the results to refine the design of its energy system, with a view to developing out-of-the-box solutions for a range of house types.

The report covers the period between August 2013 and April 2014 and will be followed with a full 12 month review of the building's performance later this year. For more information on the Solar House, visit www.solar-house.co.uk.



WE DO MORE TO TRANSFORM YOUR SPACE.

bi-folds | sliding doors | roofs | windows | glass rooms

Choose Express for the widest range of bespoke aluminium folding and sliding doors, windows and roofing systems. Manufactured by us, our market leading collection is the best that is made in UK.

And because we manage the entire process, from the initial survey through to installation, we confidently offer comprehensive warranties. Whatever your vision, we do more so you can truly express yourself.

visit expressbifolds.co.uk
or call us on 0800 121 4809

Showrooms in: Leeds | Glasgow | Redhill | Romford



“ For me, Express do the best products at the best price, so I used them on every single Home Show project and then ended up using them on my own house. I have never gone anywhere else for bi-fold doors. ”
George Clarke, TV presenter and Architect

Reader
Enquiry
106

express 
bi-folding doors enjoy the bright life.

Green MP Praises Rubbish House

Britain's housing industry should learn from University of Brighton research and use recycled 'rubbish' in construction projects, according to Brighton Green MP Caroline Lucas.

On a visit to the university's Waste House – the country's first building made almost entirely of thrown away materials she said that: "The housing industry is decades behind where best practice is and I think the real challenge of this Waste House is for it not to be seen as a one off example but actually to be paving the way in what has to be mainstream."



"This is the way we are going to have to build in the future if we are serious about living within the resources of one planet earth. The university's research associated with this Waste House is incredibly important because it demonstrates empirically how waste can be reused and recycled. It demonstrates that there is no such thing as rubbish, just things in the wrong place."

More than 20,000 old toothbrushes, two tonnes of denim jeans, 4,000 video cassettes, 2,000 used carpet tiles, thrown away timber, paper, plastic bags and chalk, were used in the Waste House construction at the university's Grand Parade campus in Brighton.

Ms Lucas was shown round the award winning Waste House by, university lecturer and the project architect, Duncan Baker-Brown. Working with the Mears Group, undergraduate students, students from City College Brighton & Hove, the reuse organisation FREE-GLE UK, private companies and volunteers, he designed and project managed the house construction in the grounds of the university's Grand Parade campus.

Mr Baker-Brown said: "The House is a live research project and permanent design workshop to be used by our students and as a centre for visiting school children to learn about sustainability."

Brighton & Hove City Council is looking into how it can incorporate ideas from the house in its future building projects.



19 year old tames the Dragons' Den



Dragons' Den saw one of its youngest ever entrepreneurs receive investment recently as one of the Dragons invested in what is his third business before he leaves his teenage years.

Nineteen-year-old Jordan Daykin, MD of Grip It Fixings, received £80,000 from Deborah Meaden for a 25 per cent stake in his business. The investment will help Jordan with the costs of new machinery, stock increase and a deposit for their warehouse in Melksham, Somerset.

Grip It Fixings are a revolutionary new design of universal fixing designed for use with all types of plasterboard installation. To prove the strength of the fixings in the Den, Deborah put her trust in the product by sitting in a chair suspended by chains from a number of Grip It Fixings in a plasterboard wall.

Jordan left school at the age of 13, keen to follow his entrepreneurial dreams rather than stay in school. His first business was a website called RS2Services, inspired by his love of RuneScape, an online fantasy role-

playing game. The site offered players the best RuneScape products at a cheaper price. While struggling to find a tutor to help him with his academic work, Jordan founded nationwide tutoring agency Tutor Magnet, which currently has a database of over 400 tutors and generates a turnover of £2,000 a month.

Jordan came up with the idea for Grip It in 2008 while putting up curtain rails with his then 74-year-old grandfather Stan. Having difficulty installing the railings via traditional methods, the pair spent the rest of the afternoon in his grandfather's garden shed figuring out a more effective mechanism.

Aided by his grandfather's engineering background, it took the pair just a matter of days to come up with a prototype for the fixings, and, following months of testing, they applied for a patent in 2009, when Jordan was 14.

Once the patent for Grip It was granted in November 2012, Jordan was keen to grow his new business and sent out over 300 product leaflets to retailers across the country. After initial interest from Screwfix, Plumbase and Buildbase, Jordan met with Wickes in September 2013, who are now an official distributor of Grip It products; available to

buy in all of their 220 stores.

Making up the Grip It team with Jordan are 11 of his friends, all aged between 17-19 years old, who look after various areas of the business, from accounts and production to packing and distributing. Jordan's girlfriend Laura is in charge of sales.

Following great success in the UK, Grip It are already trading in Germany and Belgium, with a patent pending in America where the market is seven-times larger than the UK. Jordan's plan is to take the product to the rest of Europe and Australia as well.

Having invested in Grip It, Deborah Meaden said: "Coming up with a practical solution for a problem that enough people experience and at a competitive price is the essence of business, that Jordan did this at the age of 13 is extraordinary. Having worked with him for several weeks now and seeing his drive, clarity and focus it is no surprise that the range has already grown and Grip It now sells in over 700 Stores Nationwide."

Speaking about his success in the Den, Jordan said: "I was very happy to secure Deborah's backing because of her vast experience in the area and her extensive contact-base. We have been working together for a few weeks now and she has been a real inspiration to me already. I'm looking forward to many more exciting developments to come."

selfbuilder & homemaker

**LAUNCH ALL NEW
WEBSITE FOR 2014**



REGISTER ONLINE FOR...

In-print magazine • Digital magazine
Newsletter • Daily digests

www.sbhonline.co.uk



**SELFBUILD
& CONTRACT FLOORS LTD**



**Underfloor Heating
& Flowing Screed
On-time
Right-first-time**

We specialise in a wide range of projects including:

- Self Builds
- New Builds
- Renovation Projects
- Barn Conversions
- Extensions
- Basement Conversions

Visit: www.selfbuildfloors.co.uk
Email: info@selfbuildfloors.co.uk
Phone: 0114 231 5937



Enq. 107

How to make your build more sustainable: top tips to navigate your way through

There is a growing trend among new house builds to be increasingly energy efficient and more environmentally responsible than ever before. People are looking to live more sustainably and economically, and there is an understandable desire to start saving money on energy bills as soon as a property is completed and the homeowners move in.

There are three key focuses to bear in mind when embarking on a sustainable self build – “the people”, “the fabric” and “the advice”.

Who are the “people”?

The people are you, the house builder and home dweller! Obviously, (but strangely sometimes overlooked) the primary focus when factoring in sustainability to your home design is to consider your specific needs as individuals. Who will be living in the house, are you a couple at work all day or a young family with more time in the home? Does anyone work from home, or is the house left empty all day? Do elderly relatives live with you or is this an option that you will need to factor in at some point? “Future-proofing” is the current buzz word in house building, as much as you are able to, anticipating the future for you and your family and ensuring that in years to come your sustainable home will meet your evolving lifestyle needs.

The fabric

The very first and critical consideration for any sustainable development is to think carefully about your building method and materials.

Making your home more environmentally friendly and energy efficient has many benefits, from lower fuel bills to less carbon emissions and a more comfortable home for everyone.

The very first and basic step to a more energy efficient home is to look carefully at the insulation. There is a tendency to focus on (and in the process spend large sums of money) on cutting edge technology for complex heating systems when in the first instance good insulation will go a long way to making your home more sustainable. The building regulations are there as a minimum acceptable level, so you should always aim to better this and make sure your architect / designer takes this into account from day one. As a start, Code 4 from Code for Sustainable Homes is an easily

achievable level especially if using SIPS or a modern Timber Frame.

After the main fabric of your home is decided upon, the next step is to investigate the heating technologies appropriate to your location, site and building, as well as your lifestyle. It is important to spend time undertaking proper analysis. The chances are that if you are in an urban area and connected to a gas main then an efficient gas boiler is the best solution. A wood stove might be all you need in a smaller house if it is well insulated. Or, a heat pump with underfloor heating may well suit you if you spend the majority of your time in the house and so prefer a constant temperature.

Solar Panels (PV) can be a good solution in most areas in the southern half of the UK, but ensure you source several quotes from MCS approved suppliers.

Independent advice

It is very important to seek expert help and advice, but crucial to always ensure it is from an independent company. Taking advice solely from installers of systems is risky, as they may not see how their equipment fits into the overall design and some might not have your best interests at heart.

Sustainability specialists can give you independent expert advice for a fee (approximately £500) – they can assess your needs, your location and existing home structure, look at your plans and advise on the best options for you.

They can quantify the savings to be made and specify the most appropriate building materials or systems to install. This small financial outlay may save hundreds of pounds in the first year alone, so it’s always worth speaking to an independent expert if this is the route you are planning.

Ensuring a successfully sustainable new build is all about matching your build and your vision for your new home, with the appropriate fabric and technology at an affordable price. By investing a little extra time and funds in the early planning stages of your build, in the long term you can reduce your living costs, including fuel bills and home maintenance, as well as feeling content in the knowledge that you are making a commitment to the environment.

selfbuilder
& homemaker

**LAUNCH
ALL NEW
WEBSITE
FOR 2014**



**REGISTER ONLINE
FOR...**

In-print magazine
Digital magazine
Newsletter
Daily digests

www.sbhonline.co.uk



If it was a boxer it would be a super heavyweight.

Talk of weight can be something of a social taboo. However we at Rangemaster are rather proud of our weight. On average we are somewhat heavier than some of our, shall we say, lightweight competitors. That's because our ranges are built from the ground up, from a single sheet of high-grade steel, formed to give maximum rigidity and robustness.

Reader
Enquiry
108

A Rangemaster may well fail at the weigh-in. But rest assured, there are no plans for dieting just yet.

Call 0844 346 0495 or visit rangemaster.co.uk



Built from experience



**CLAIM YOUR
FREE TICKETS!**
SAVE £5 PER PERSON
(UNDER 16'S GO FREE)

The **BIG GREEN** Home Show

The Big Green Home Show is the UK's biggest event for anyone wishing to make their home more eco-friendly.

**24th - 26th
October
2014**



-  **FREE Seminars**
-  **Ask the Experts - FREE Consultations**
-  **Live Practical Demonstrations**
-  **Guided Tours**
-  **Real Life Case Studies**
-  **Over 200 Exhibitors**

To claim your **FREE** show tickets, simply visit www.nsbrc.co.uk enter promo code **BGHSSBH14** together with your details and you can then download a maximum of 4 free tickets.

 **0845 223 4455** or Visit www.nsbrc.co.uk

Find us: Swindon (M4, Junction 16) The National Self Build & Renovation Centre, Lydiard Fields, Swindon SN9 8UB

Follow us on      

Fire door safety

Chris Miller, doors product manager at JELD-WEN, explains why the BWF's Fire Door Safety Week (15-21 September) is such an important initiative and why homeowners need to be aware of how crucial fire doors are in keeping their family safe

Fire doors save lives

When embarking on a renovation project, most homeowners tend to be preoccupied with aesthetics but it's crucial that properties are compliant with the latest fire safety regulations to ensure that, in the event of a fire, the occupants have the best chance of survival. Fire doors are a crucial part of the passive fire protection of every commercial, public and multiple occupancy building – they save lives and property. Fire doors are available in a range of ratings to indicate their level of fire resistance. FD30 doors represent the minimum rating, providing 30 minutes fire resistance, with higher specification FD60 doors available, which offer additional time and further protection.

Fire doors are specifically designed to save lives by reducing the rate at which fire spreads through a building but fitting these correctly and following the manufacturer's instructions are crucial in making sure that they perform at optimum efficiency. Fire doors are fitted with intumescent strips along the sides and top of the door or door frame, which lay dormant during everyday use but rapidly expands when exposed to extreme heat, sealing the gaps around the perimeter of the door and holding the door firmly in place. To ensure that this protective barrier is effective, it is important that the doors are kept closed at all times and shouldn't be propped or wedged open and it is important not to disconnect the fire door closer.



Staying safe and stylish

As fire doors are typically thicker than standard doors, trade professionals usually need to replace both the door and its frame, adding to both the complexity and cost of the project. JELD-WEN has solved this problem by developing an exclusive collection of FireGuard® FD30 doors that offers 30 minutes fire protection, while retaining the standard 35mm thick door construction. By choosing this option, doors can be updated without having to remove the existing frames and linings, saving both time and money. The FireGuard® range combines function and safety with a stylish, slimline finish, which is also available in various designs, including various moulded finishes, along with real wood veneers and paint grade doors, and providing fire safety protection without compromising on style.

It is important that fire doors, frames and components are purchased from certified companies as well as being rated by the British Woodworking Federation. The BWF-CERTIFIRE scheme indicates that door specifications and manufacturing methods have been assessed under strict regulations and audited regularly to meet high safety standards. Doors that have been accredited can be identified by the BWF-CERTIFIRE label on the top edge of the door and ironmongery components such as hinges, locks and latches must be CE marked. It is also strongly recommended that you check that the certificate matches the door and that it is the correct certification for the door's intended use. All JELD-WEN fire doors and fire doorsets are rated by the BWF-CERTIFIRE scheme, to demonstrate that they comply with the highest safety regulations.

Fire dos and don'ts

As it is an engineered safety device, a fire door cannot be fitted like any other door, and therefore, you must closely follow the full fitting instructions in order to ensure its effectiveness in the event of a fire. Fire doors can usually be trimmed, but the amount can vary from door to door, so always read the instructions to ensure you are not disregarding any safety regulations. It's important that if a fire door is trimmed, the BWF-CERTIFIRE label is not removed. Unless certified to do so it is essential



that there are no alterations made to a fire door on-site. This includes never cutting holes or inserting glazing into a fire door. Be sure that fire doors are fitted with correct and compatible components suited to the door leaf and its purpose. And as with any fire safety device, fire doors should be installed and maintained by competent personnel. The Fire Door Register is a new certified installer programme, which aims to bring greater recognition to professional fire door installers, as well as helping home and building owners find qualified and certified people they can trust (for more information visit www.firedoorinstaller.co.uk).

Building Control recommends when a fire door is required, but fire doors are worth considering in any situation as they give you that extra peace of mind should the worst happen. Last year 200 people died in fires in the home so Fire Door Safety Week is a great opportunity to raise awareness of the critical role correctly installed fire doors play in saving lives. It enables this topic to be placed at the top of the agenda, allowing every area of the industry to be educated on fire safety and is key in ensuring they choose premium products that comply with the latest regulations.

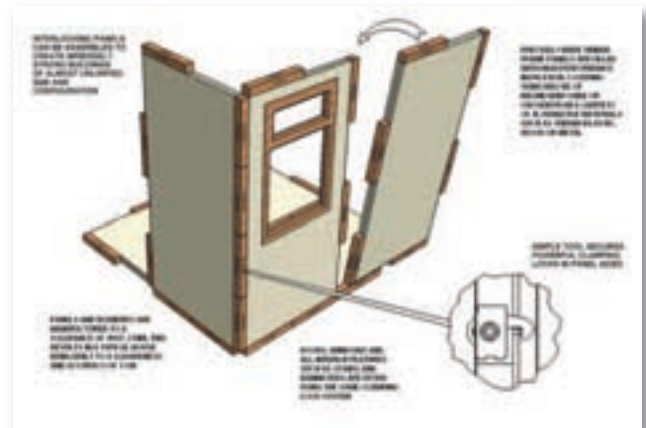
Enq. 109

Self-build or self-assemble, what's right for you?

By David Appleford, chairman of AcerMetric Ltd and inventor of the world's only elemental building system

Many self-builders see traditional bricks and mortar as the only logical choice. Although slow and labour intensive any building problems tend to be familiar and predictable. The kit house is often seen as a viable alternative with rapid construction that can have it roofed and watertight very quickly. Kits can, however be expensive and if their cost includes labour, the buyer will be spending on an aspect that self-builders usually aim to avoid. A crane will also be needed for systems using large components but if a kit can be reduced to its elemental components the self-builder may have found a successful alternative.

A principal benefit of an elemental building system is that all of its components will be man-portable. They can be delivered from the factory by lorry or van and hand-carried to their point of assembly. This



also means that houses can be built in locations that are inaccessible to cranes or vehicles and they create an option for building on difficult sites where conventional construction methods would be too costly or impractical.

Once on site, the elements are simply assembled by interlocking their edges and securing them with a hexagonal key. This turns powerful internal locks that pull the panels tightly together and results in a building that is tensioned after construction and possesses a structural strength unrivalled by any other building method. All elements are manufactured to a tolerance of just 0.5 mm which means that the size and alignment of a finished house will be accurate to within 1 cm. This can be a major benefit when building in restricted areas or when fitting items such as flooring or kitchen units. For many people however, the thought of houses made from panels conjures dreary images of prefabs or Nissen huts. Yet a house built using an elemental system can be designed and finished to suit any architectural style from that of a brick-built Victorian





terrace to a Frank Lloyd-Wright look-alike villa.

The success of the elemental system hinges on the design and precise manufacture of its panels and structural elements. The panels can be any shape according to the design of the house and consist of a wooden frame filled with insulation with apertures left for windows and doors to be inserted later. Besides being light to carry, the panels also have the advantage of providing a level of insulation that exceeds statutory requirements. They are covered on both sides by a skin of Magnesium Oxide (MgO) board which creates a smooth surface that may also need no further finishing. Two substantial wooden lugs are fitted to each edge of the frame and are positioned so that when two panels are butted-up against each other – either straight-on or at right angles – the lugs interlock snugly. A simple locking mechanism built into each lug is then turned by the panel key so that it grabs the adjacent panel and pulls it tightly inwards. The locking system is used for everything in the house including fitting windows, stairs, banisters and gutters to make the one tool house is a reality.

Because the elemental system is self-supporting, costly conventional foundations are unnecessary as the structure can stand on a suitable concrete pad. Flooring panels are laid and locked together with remarkable speed and three or four unskilled people can assemble a three bedroom house and have it roofed and watertight in less than three days. Throughout construction the only tools used would be the hexagonal panel keys and the only waste is likely to be any protective packaging on the panels.

Finally plumbing and electrical fittings are simply and easily run along the interior walls as required before being concealed behind quickly fitted internal wall linings. External cladding can then be added to the house to provide whatever appearance the builder might desire. Pebbledash, weatherboarding, brick or Portland stone are just a few of the many options available. This choice ensures that the new house can be built in harmony with whatever the local architectural landscape and planners might dictate while its typical cost of around £1,200 per sq m will also keep it in harmony with the home builder's budget.





Built for sharing

The award-winning Lancaster Cohousing project on the banks of the River Lune is fast becoming an inspiration for sustainable low-cost communities of the future, as Heather Dixon reports

It took four friends with a vision, a huge leap of faith and years of weekly meetings to turn an ambitious dream of living together in a community into award-winning reality.

Yet the founding group of the Lancaster Cohousing project not only achieved their goal of creating a sustainable, low-cost living environment, but they exceeded all expectations.

The 41-house community on the banks of the beautiful River Lune is the only self-build scheme of its kind in the country to achieve sustainable homes level 6 and certified Passivhaus accreditation.

It's an extraordinary achievement for a group of unassuming people who simply wanted a better quality of life.

When they first got together nearly 10 years ago, their common dream was to build a community of sustainable housing which would be built by the people, for the people, for the cost of similar sized homes on a developer-led housing estate. The properties would be eco-friendly in every sense of the word, their running costs would be minimal and the community spirit would be reminiscent of a bygone era within a modern setting.

The 41-house community on the banks of the beautiful River Lune is the only self-build scheme of its kind in the country



It was a huge gamble. The founding members were prepared to sell their homes to buy a plot of industrial brownfield land without planning permission, in order to pursue their beliefs in a bright new future. They were prepared to live in rented accommodation, share housing or even – in one case – set up camp in an old office as the project evolved.

Mark Westcombe was one of those people. "We were all members of the Green Party and

thought it would be a good idea to live together, and we started thinking about how we would live together and came across the idea of co-housing," he said.

They met regularly in a local pub to discuss their ideas and were soon joined by like-minded people from all over the UK who were willing to invest their time and energy in a scheme which would not only deliver a particular lifestyle, but also become a role model for all

Continued on page 27...



RELAX

It's a Posi-Joist floor!

Posi-Joist is still the most popular open web system offering the simple solution to the needs of the modern home.

From conventional plumbing and electrical services to accommodating the increasing need for Mechanical Ventilation & Heat Recovery systems, Posi-Joist is the most cost effective answer.



The **benefits** of using Posi-Joist

- Open web design provides easy access for the design and installation of services
- Improved quality of service fitting, eliminating costly remedial work
- Engineered and manufactured to consistent standards of quality and reliability
- Greater clear spans for design flexibility
- Lightweight, strong and stable, making installation easy and fast
- Clear profit from savings in labour, time, materials and call-backs
- Standard depths of 202, 225, 253, 304, 373 and 421mm
- The largest network of licensed manufacturers throughout the UK and Ireland

Posi-Joist™



Reader
Enquiry
110

The **alternative** Joist system

MiTek®

MiTek House, Grazebrook Industrial Park,
Peartree Lane, Dudley, DY2 0XW, UK
Telephone: 01384 451400 www.mitek.co.uk



CPD Now available for Posi-Joist.

Contact MiTek today or visit www.posi-joist.co.uk for full details and an on-line presentation.

future cohousing developments.

One of the early members, Pete, said: "I joined the forming community several years back and participated in the group's process as we made decisions and choices about the eventual design and layout of the project. We use a consensus process, which takes time, and we needed a lot of patience and commitment before even a brick was laid. I initially found myself involved because, sitting with friends by a campfire late one night, I idly mused 'why don't we live like this all year round? We could look after each other's children, and all eat together, we would have a hundred bikes and just one car, solar panels on the roof and compost toilets.' Someone told me that I had just described Lancaster Cohousing, as the group was then known. Within three weeks I was fully signed up."

Andrew Yeats from Eco Arc Architects was invited to come on board from the early stages and he quickly saw the potential energy-efficient benefits of the proposed 2.5 hectare site on the banks of the river, with its 45 degree, south facing slope.

"It developed from a unique combination of circumstances," said Andrew. "It would cost £1 million just for the rendition work on the contaminated industrial site. Yet the fact that so many people were working together, designing the houses collectively, with all the accounts open and transparent, meant that they could keep the costs as low as possible."

For couples like Elizabeth and Luke Mills, the project offered the kind of lifestyle they had been dreaming of for years.

"We were tired of long commutes to work and living in an isolated house," said Luke. "We wanted to live in a community in a sustainable environment. These days there are very few old-style communities left in which everyone knows each other and looks out for each other. This project was recreating something from the past and taking it into the future."

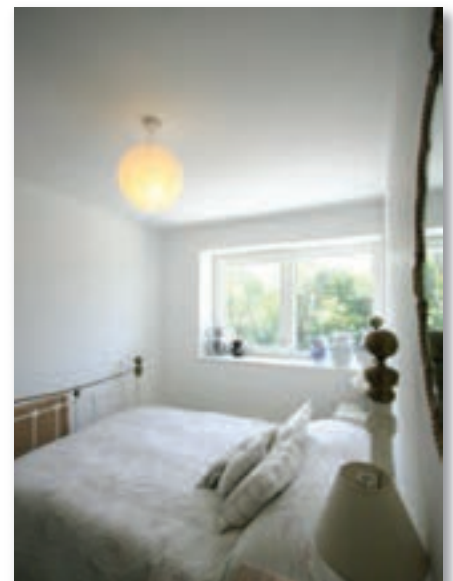
The Forge Bank site near the village of Halton, within cycling distance of town, was an ideal location for zero-carbon homes with its orientation and sloping land. Meetings were held



The development includes a flexible community centre where residents can cook, eat and socialise together; a general food store, laundry and children's playroom, plus a vibrant business environment in a renovated mill

regularly as the concept gathered momentum and in 2011, five years after that initial seed was sown, work began on the building of 41 one-, two- and three-bedroom homes, ranging between 40 sq m and 98 sq m in size. The development includes a flexible community centre where residents can cook, eat and socialise together; a general food store, laundry and children's playroom, plus a vibrant business environment in a renovated mill where small businesses, social enterprises and community-based organisations can flourish.

Continued on page 29...



Ecological Insulation made from renewable resources


Healthy Buildings and Lower Energy Costs

Natural Insulation



Flexible wood fibre suitable for roof, floor and timber frame wall applications. Excellent all round insulation properties improves the fabric and makes buildings a better place to live and work in whatever the weather.

Natural Insulation Boards



Wood fibre building boards for sarking, sheathing, acoustic and render applications. Diffusion qualities provide healthy living with protection against wind, dust, moisture and sound.

For full details and nearest distributor call 01727 515120 or visit www.steico.co.uk



NATURAL BUILDING PRODUCTS

Enq. 111



INTELLOplus
Intelligent airtight membrane



ORCON
Joint adhesive for indoor & outdoor application



CONTEGA SL
Sealing tape for masonry construction



TESCON Vana
Adhesive tape for membrane overlaps

Intelligent airtight and windtight building systems

pro clima

Our solution to a healthy home is both **intelligent and airtight**

We distribute and provide full technical knowledge for the complete pro clima range

eco logical

BUILDING SYSTEMS LTD

Telephone: 01228 711511

info@ecologicalbuildingsystems.com

www.ecologicalbuildingsystems.com





Enq. 112

Pumice System Chimneys & Liners

Naturally better

Made from volcanic pumice
A natural insulator
Lightweight
Easy to install

SCHIEDEL
ISOKERN®

ISOKERN²⁵TH
ANNIVERSARY
1889-2014

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

To find out more about Isokern visit us at www.schiedel.co.uk

CE EN 1856-2 TUV 0036 CPD 90219 001

Part of the BRAAS MONIER BUILDING GROUP

Enq. 113

Sunscreen for your wood

UV Protection Factor 12

Maintains the natural colour of the wood and limits the greying process

- > Prolongs wood lifetime
- > Algae and fungal decay protection
- > Transparent 425 Oak finish and 428 Cedar finish now available



Call or visit the web for stockists.

+44 (0)1296 481 220
www.osmouk.com



osmo

Enq. 114



The houses are timber framed with wide cavity masonry and feature photovoltaic panels, solar panels and a centralised biomass boiler which provides one pocket-sized radiator for each house – all that is needed to keep them warm and cosy throughout the harshest of winters. The spec also includes external triple glazed doors and windows, sedum roofs, a designated bin and recycle store and a heat recovery ventilation system. The average construction cost is around £1,825 per sq m.

"Lots of developments now use the term 'eco' in their marketing, but Forge Bank actually delivers on the promise through Passivhaus design and green energy generation," said Andrew Yeats. The Passivhaus standard dramatically reduces the need for space heating and can reduce heating bills by 90 per cent compared with conventional homes. This saving is achieved through south facing aspects, high levels of insulation to eliminate thermal bridging between inner and outer walls, airtightness and mechanical ventilation and heat recovery. The result is negligible heat loss during winter and the temperature of internal surfaces is almost the same as the internal air temperature, providing a very comfortable living environment.

The success of the project has been in the detail, as well as the bigger picture, such as specialised plastering and the use of tape and membranes to reduce air leakage and eliminate draughts.

Cohousing resident Hue Johnson said: "After living in a Victorian house for the last 20 years I thought cold draughts were a fact of life, but our new Passivhaus has none. Everyone who walks in asks us if we have our heating on as it feels so warm – we don't. This is seriously impressive technology we are living in."

Every last detail is built with sustainability in mind, from the high spec insulation to the provision of hot water from a highly efficient wood chip boiler in the mill building, which is delivered through insulated pipes to each property and supplemented by over 50 sq m of

solar thermal collectors.

District heating systems such as these are common in other countries, but still unusual in the UK. In fact the system at the Lancaster Cohousing project is believed to be the first of its kind in the country to combine biomass and solar thermal energy sources.

Forge Bank generates its own electricity via a 160kW hydro-electric scheme (developed in conjunction with Halton community). This is connected to a microgrid and each home has a meter. Power from this scheme, along with power generated by photovoltaic solar panels mounted on the most appropriate roofs, is used in preference to National Grid electricity, which will only be imported when demand exceeds supply.

Resident Dr Jan Maskell said: "The house I live in has exceeded all my expectations with regard to comfort, warmth and air quality. The utility bills are exceptionally low."

She also welcomes the strong sense of community, which binds the residents together. In a

The Passivhaus standard dramatically reduces the need for space heating and can reduce heating bills by 90 per cent

Continued overleaf...





video link about the project, she said: "The design of the site encourages interaction so you can't walk down the street without seeing people you know, because you know all your neighbours. That also encourages the sharing of things, so you're saving time and money by living here because of sharing all the facilities."

As well as the sustainable housing, which costs around £228,000 for a flat to £302,000 for a three-bedroom house, the community also operates a car share scheme and organic vegetable deliveries alongside a policy of sharing appliances and garden machinery, such as washing machines and lawnmowers.

"I am particularly proud of the fact that we have delivered 41 passive houses but to the local market value, so there is no premium added onto the houses," said Mark.

The scheme has proved so successful that it has already won a raft of awards, including the Murray Armor Award 2013 National Self Build Association; the Observer Magazine Community Energy Award; GAGA Sustainability Award 2014; Passive House Trust UK Housing Award, and was a finalist in the RIBA Sustainable Design Award 2014. It is also the only code for sustainable homes level 6 & Certified passive house self-build scheme in the UK.

The awards, it seems, are well deserved. Luke and Elizabeth's change of lifestyle has exceeded all their expectations. "We moved into our house last year and it has been everything we had hoped for," said Luke. "I would like to see more cohousing projects like this one developing throughout the country, and hope that the concept of cohousing will one day become the norm so that more and more people can enjoy the benefits of old-style communities within a modern context."

Funding the project

The project was supported by a grant as part of an initiative called the Rural Carbon Challenge Fund (RCCF), which was set up to support community-level renewable energy projects across the north west of England. The RCCF is funded by Defra and the European Agricultural Fund for Rural Development. To secure the funding the coordinators needed to demonstrate that the project could be a 'trail-blazer' that could be replicated elsewhere; offer an element of innovation and uniqueness; benefit rural communities within the North West; offer value for money in terms of carbon savings and energy generation; benefit the rural economy, agricultural and forestry sectors, and be fully operational by October 2013.

A further grant from the Rural Development Programme for England (RDPE), which is funded by the European Agricultural Fund for Rural Development, covered part of the cost of refurbishing Halton Mill.

Grant funding was obtained in partnership with Halton Community Association (HCA). HCA's share of the funding supported the development of the community-owned hydro-electric project at Forge Weir on the River Lune – directly adjoining the site.



Contacts:

Architect and lead consultant:

Andrew Yeats, Eco Arc
01904 468 752,
ecoarc@ecoarc.co.uk
ecoarc.co.uk

Client project manager:

Jon Sear and Chris Coates,
Lancaster Cohousing

Quantity surveyor:

David Fotheringham,
Turner and Holman

Structural and civil engineers:

David Tasker, Ramboll

Services engineers:

Alan Clarke, energy consultant and
building services engineer

Sewerage design:

Nick Grant, Elemental Solutions

AECB/Code for Sustainable Homes
assessor: **Eric Parks**

Flood risk assessment:

Geoff Graham, principal engineer,
R.G.Parkins and Partners Ltd

Arboricultural consultant:

Phill Harris
phillharris@onetel.com

Considerate Constructors Scheme:

www.ccscheme.org.uk

Gifford Civil Engineers

Paul Jennings, ALDAS Limited
01840 230228
doorfanman@hotmail.co.uk

Stroma Ltd

0845 621 11 11
www.stroma.com

Ryedale Air Tightness Testing (RATT):

Nicholas Greenhalgh Cedar Studio
Designs Limited
42 Town Street, Old Malton,
Malton YO17 7HD
08456 439732
07946 315721
info@ryedale-att.co.uk
www.ryedale-att.co.uk/index.html

Gutex Multiplex Top woodfibre roof
Ecological Building Systems
05600 758 025

Universal Insulation boards from
Steico

01727 515120
www.steico.co.uk

Insulation from **Knauf Insulation**
www.knaufinsulation.co.uk/PDF/
Datasheet-ECOSE_Glass-
Perimeter-Plus.pdf

Acoustic joist roll mineral wool
floor Insulation
01744 766666

Fakro

01283 55 78 55

Green Roofs Naturally

07990 793995

TIGA (Europe) Ltd

01763 244766

Conservatory fittings:

Terry 0117 966 9522

Guttering:

Eurocom Enterprise Ltd.,
75 Tithe Barn Drive,
Bray, Nr Maidenhead,
Berkshire SL6 2DD
01628 687 023

Hertalan UK Ltd., based in

Windermere Cumbria
01623 627285
07967 391457
storey@hertalan.co.uk
www.hertalan.co.uk

Yesero Limited

01706 830876
projects@yesero.com

West Lancs Plastering Ltd

0151 547 4772

B&S Plasterers (Flyde Coast) Ltd

01253 857785

Masterblock

01524 736 636

Wall ties:

Ancon MagmaTech
07916 155 822

Marley Eternit Operal board

01283 722588

Visqueen

01685 840 672

Osmo

01296 481220

Vuba-Coat Ultra industrial epoxy
floor coating from **Vuba Supplies**
Market Weighton Business Centre,
York Road, Market Weighton
YO43 3GL

01482 778897

Jablite

0906 302 0354

Sound Reduction Systems Ltd
Adam Street, Off Lever Street,

Bolton BL3 2AP

01204 380074

www.soundreduction.co.uk

info@soundreduction.co.uk

Posi joists from **MiTek Industries Ltd**

01384 451400

Doors North Yorkshire Timber

01609 751 116

Stainless Steel Ironmongery, levers,
hinges, locks etc from **Scott Beaven**
0191 491 5000

Sanitary fittings:

Green Building Store

Hwam Vivaldi wood burning stoves
from **Isokern**

01202 861650

www.isokern.co.uk

Dura Deck recycled composite anti
slip grooved decking boards from
Dura Composites Ltd

Clacton on Sea

01255 423601

www.duradeck.co.uk

Landscape architect:

Camlin Longsdale

Heat recovery:

Dynamight Internorm

24 Fairyrkirk Road, Rosmoyth

KY11 2QQ

01383 411 930

www.dynamight-internorm.co.uk

1. The **Westbury Garden Rooms** Home Trends Report identifies three trends that are shaping the use of extended home space, as well as three new colour palettes for interiors: open-plan living for sharing spaces and activities; extra space for simple, happy pleasures like home entertaining; and last, a heightened admiration and desire for craftsmanship – a quality product built to last.

Enq. 601

2. A Cambridgeshire based family created a light-filled, modern family space in their recently completed extension through the installation of two sets of **Origin** bi-fold doors. Incorporating the folding sliding doors into the room design meant that the entire opening could be revealed, creating a seamless connection between house and garden. The aluminium doors are powder-coated in hipca white to maintain a modern fresh look in keeping with the painted white walls. The couple's open-planned extension with two sets of doors cost around £1,000-1,200 per door leaf.

Enq. 602

3. Doncaster-based **Paul Jackson Conservatories** approached K2 fabricator **Four Seasons Conservatories** for an innovative orangery solution. Paul Jackson comments: "The external finish, particularly the pilasters, gives their new room a really striking appearance. On the inside the integrated GRP pilasters are finished with an internal pod system to create a fantastic column between the windows. These blend in perfectly with the selected 300mm plasterboard soffit, which runs all the way round the perimeter and offers an overall feel of sturdiness."

Enq. 603



2



3

Interior inspiration: Conservatories & orangeries showcase



4

4. A recent range of rattan furniture from **Out There Interiors** is perfect for conservatories and sun rooms. Left is the rattan two seater couch in black, 76x129xH73.5cm, £425. Far left is the grey rattan chair, H80xW68xD70cm, seat D41x seat H37cm, £219.

Enq. 604



5

5. Aluminium is the perfect material for your conservatory or roof lantern, offering strength, slim lines, more glass and low maintenance. **Aluminium by Design** has been supplying quality aluminium roof lanterns and conservatories since 1995. Each product is custom designed and manufactured in its Essex factories – you buy direct from the manufacturer. Roofs are manufactured using thermally broken aluminium and there are a wide range of solar and easy clean glass options. Around 200 RAL colours are available and you can have different colours inside and out. Featured in magazines and on TV's Tommy's Fix It Yourself.

Enq. 605

6. **Quayside Conservatories**, specialist manufacturers of high quality hardwood conservatories, orangeries, lantern roofs and garden rooms, windows and doors, offer a bespoke service to reflect the tastes and requirements of each client, which will complement the style and architecture of their existing home. Quayside products are created using traditional joinery methods and the hardwood we use comes from sources of certified, sustainable forests.

Enq. 606



6

TTA responds to member needs

The Tile Association (TTA) launched its new website in August in response to research among members which flagged up strong demand for improved online marketing. The new website is part of a suite of online tools which the association has available for the benefit of members. These include social media feeds and the online Tilezine newsletter.

The new association website boasts a new look with intuitive, built-in navigation, a revamped members' directory and a prominent news area. With the latest issue of Tilezine linked from the site, as well as a facility to take out a subscription, the aim is to develop the site as an important news resource for the industry.

Navigation is clearly defined via the four key sales channels for the tiling industry, with separate homepage buttons for architects, installers, homeowners and stockists, each of these leading to further web pages featuring sector-specific information. Within the relevant sections visitors will find a member directory, technical documentation, details on training and NVQs, a tiling FAQ for installers, DIY tiling guides and much more.

The site features an expanded member services



section, which includes a wealth of information for anyone involved in the tiling industry, ranging from technical information to business advice and insurance. There is also information on the facilities offered in the TTA's new Staffordshire headquarters, such as how to hire the building's meeting and conference facilities.

"It emerged strongly in the research that our members view the TTA website as an important marketing tool and that they were looking for further development of the online resources which are available to them," says Ian Kershaw, chairman of the TTA. "We were therefore hoping to achieve a site which features increased usability, an updated image and improved technical functionality. I think we have achieved that, and we have also linked into other online resources, which are among the benefits of TTA membership."

Enq. 115

The TTA website can be found at www.tiles.org.uk



Enq. 116

Ancon



Structural fixings specialist, Ancon, has updated its popular Cavity Wall Tie Product Selector app to feature its extended range of award-winning basalt-fibre TeploTies. Freely available to download for both Apple and Android mobile devices, the innovative app makes choosing the most appropriate wall tie for any cavity wall construction quick and easy, whether at home, on-site or in the office. Launched last year, the app has recently been updated to feature Ancon's longer

lengths of TeploTie, now available to suit cavity widths up to 450mm. The app was shortlisted for the Best App/Online Tool Award in 2013.

Tel: 0114 275 5224 www.ancon.co.uk

Enq. 117

Traditional Clay



Classic solutions and traditional technology unchanged for centuries – this is the source of Traditional Clay's inspiration. In the company's work it combines history with modernity, enriching the 21st century's aesthetics with the beauty of the past. Originality and uniqueness are the features which distinguish its offer on the market and guarantee satisfaction from the most demanding clients. Each product is hand-made, in compliance with traditional and trustworthy technology. In

the production process it uses natural, environment-friendly, high-quality materials, which are derived from its own reserves. For firing tiles it uses a traditional compartment Hoffmann kiln, built at the end of the 19th century.

Enq. 118

editor's focus

1

ESG

ESG – a leading manufacturer of intelligent glass solutions – has proudly announced the launch of its new Switchable LCD privacy glass product. ESG Switchable HD is being seen as the next generation of this type of product. Its in house R&D department have developed new features that can only be found on ESG Switchable HD. They include LCD Preservation Software, Protection Circuitry to prevent damage to the LCD film, state of the art product monitoring. There is also the inclusion of Bluetooth and WiFi switching. For more information about this new exciting product visit ESG's website.

Enq. 119



2

OAK DESIGNS

Two bay garages are by far the most popular design and increasingly oak frame garages are becoming the number one choice. This is because of the durability of oak and the fact that these buildings not only add value to a property but also enhance their surroundings. Green unseasoned oak is used because when assembled and pegged together the timber continues to contract, thereby tightening the joints to give a superbly strong structure. The principle timber members being posts, eve and tie beams and braces with mortice and tenon joints, a method which has been used for centuries.

Enq. 120



3

HÖRMANN

Hörmann has launched two new multi-purpose doors ideal as back doors or for outbuildings and external garage access. Providing up to 30 per cent better insulation than a standard multi-purpose door, the new MZ Thermo is perfect for homeowners looking to reduce heat-loss. All-round double seals and a 46mm-thick door leaf with PU rigid foam infill make this a great choice for workshops and converted garages. With garages and back doors often perceived as offering easy access to a home, it's crucial that entrance doors feature high-quality locking mechanisms. The KSI Thermo security door not only offers high levels of insulation, but also provides 5-point locking break-in resistance for added peace of mind.

Enq. 121



4

RADIATOR & BATHROOM GALLERY

The free-standing Formoso bath is a stunning piece that will look grand in any bathroom. It is made of high quality natural stone with a minimalist feel. Due to the narrow rim on the bath the internal space is bigger than most. It comes with a 10 year guarantee and is available in two sizes as standard with an integrated overflow, either 1690 x 800 wide, priced at £1,749 inc VAT, or the Formoso Piccolo comes in a size of 1500 x 750mm wide for the smaller bathroom, priced at £1,469 inc VAT. Please call the Radiator & Bathroom gallery for more information.

Enq. 122



5

RUNDUM MEIR

Rundum Meir specialise in high quality, standard and custom made, exterior door systems that can be made from a range of beautiful materials including quality solid timber, copper, aluminium, bronze and glass. In plan the doors can be designed to be curved, straight or even wavy. A recent project involved a bespoke side sectional patinated brass door, which was fitted to match the external facade of a new build house in central London. Rundum exterior door systems have been used on listed buildings, award-winning new build, conceptual architecture, refurbishment projects and a high profile passive house.

Enq. 123

6

RAINWATER HARVESTING LTD

RainWater can be used for any non-potable application including toilets, washing machines and any outside use. As demand increases it makes sense to include rainwater to supply for a long term sustainable solution. At RainWater Harvesting Ltd it designs and manufactures mains backup control systems in the UK specifically to meet UK regulations. Both direct Back Up In A Box and the award winning gravity fed Rain Director are WRAS approved and therefore accepted by all water authorities. The introduction of shallow dig tanks has made installation even easier. You will only fit rainwater harvesting once into a property so fit the best.

Enq. 124



selfbuilder & homemaker

LAUNCH ALL NEW WEBSITE FOR 2014



REGISTER ONLINE FOR...

In-print magazine • Digital magazine
Newsletter • Daily digests

www.sbhonline.co.uk

Granite Transformations



Kitchen and bathroom makeovers brand Granite Transformations confirms that the 'improve not move' boom continues, with record numbers of householders opting to upgrade where they live, rather than up sticks and move house. According to the latest Lloyds Bank research, over 1.4 million people have undertaken major work on their property or plan to do so within the next year, to improve or add value to their homes. New kitchens (40 per cent) and bathrooms (30 per

cent) are high on the list of priorities for home owners looking to improve, according to the research.

Tel: 0800 044 5393 www.granitetransformations.co.uk

Enq. 125

Pegler Yorkshire Group



From the iconic Francis Pegler brand comes a brand new collection of brassware that offers designer style at refreshingly competitive prices. The design led 'Araya' range shares its name with, and is inspired by, the dramatic landscapes of a Caribbean peninsula. Its full bodied pillar is emphasised by its curvaceous lines which flow effortlessly into an easy to operate lever handle, evoking images of the undulating shoreline. The seven-piece Araya collection offers

options that are suitable for both low and high pressure systems, and its sleek contours and minimalistic styling will have endless appeal to design conscious consumers. All products are supported by a 10-year guarantee.

Enq. 127

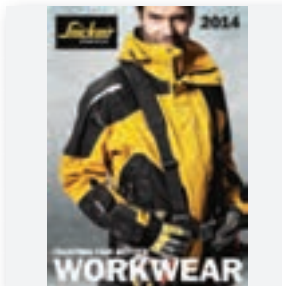
Snickers Workwear



You can count on all year round protection and comfort with Snickers Work Jackets. They'll make your working day easier and more comfortable with built-in quality, functionality and high performance features to cope with the worst that the weather can throw at you. From the superb XTR products with their 'Active Protection System' and the Goretex 3-Layer jackets, to windstopper, rip-stop and soft shell jackets, as well as specialist rainwear, winter jackets and hi-vis alternatives, there's something for everyone in the range. There's a host of designs, styles and extensive size options for both men and women to suit you and your job.

Enq. 126

Snickers Workwear



Check out the best gear for Autumn and Winter in the new Snickers Workwear catalogue, featuring a leading range of working clothes, one that works hard on site all year round for you, whatever the working environment or weather condition. In it, you'll find all the latest styles and designs – the ultimate in modern workwear. Whatever trade you are in, there's something for you in the Snickers range: work trousers, work jackets, tool vests shirts, underwear, hi-vis, painters,

flame retardant, accessories and tool carriers. Plus the right kind of working clothes to keep you working comfortably in the cold and wet weather. To get the catalogue please visit Snickers' website.

Enq. 128

multiPANEL

the collection

waterproof walls, floors & ceilings

t +44 (0)131 337 6262 www.multipanel.co.uk

← Scan the code with a smartphone to view our installation video.

keep up to date with the 'multiPANEL collection' on facebook

Enq. 129



- London Showrooms
- Over 180 Radiators On Display
- Specialist & Expert Advice
- Suppliers Of Top Brands Including Bisque, Vogue & Hotech
- Exclusive Designs
- Bathroom Brands Include Pelipal, Vitra, Burlington And Many More
- Free No Obligation Quotations
- Full Technical Support
- Price Match Guarantee



Tel. 0208 944 2001 or 0800 055 6450
sales@theradiatorgallery.com
www.theradiatorgallery.com
 Showroom: 621 Garratt Lane,
 Wandsworth, London SW18 4SX.

Free bathroom
 planning service
 available

Enq. 130



LIGHT

SPACE

STYLE



High Quality Folding Sliding Doors • British, German & Belgium Design • A Fantastic Variety Of Finishes & Colours • Virtually maintenance free • State-of-the art security features • Full fitting available • Free survey & design advice

Unit 26/3 Silicon Business Centre • 26 Wadsworth Road
Perivale, Greenford Middlesex UB6 7JZ
Tel: 0208 997 2448 Fax: 0208 997 0611

www.1stfoldingslidingdoors.co.uk / foldingslidingdoors@btinternet.com

1ST
FOLDING
SLIDING
DOORS

Enq. 131

Synseal

Full
Height
Soffit



A full height soffit is now available as an internal design option for Synseal's best-selling hybrid orangery, Global Summer, in depths of 300mm and 450mm. Launched in May 2012, Global Summer has proven popular and offers a 'shelf-style' orangery soffit as standard, 300mm in depth and 140mm in height, to provide a perimeter ceiling detail and house downlights or audio speakers. The new full height soffit solution now delivers the substantial 'built' feel that many homeowners are looking for and is available on Edwardian-style orangeries and conservatories across a range of designed roof pitches varying from 15° to 35°.

Tel: 01623 443200 www.synseal.com

Enq. 132

AluK



AluK (GB) has launched its new residential aluminium windows and doors collection, providing homeowners with sleek, modern and lasting solutions that keep their home and family safe, complement their lifestyle and add value to their home. The AluK collection features a range of both traditional and modern windows, plus aluminium entrance, bi-fold, sliding and patio doors. Whether looking for a classic, established look, or a contemporary, on-trend design, customers can choose from a range of styles available in a multitude of colours, including a dual-colour option, and can personalise their choices to suit their preferences.

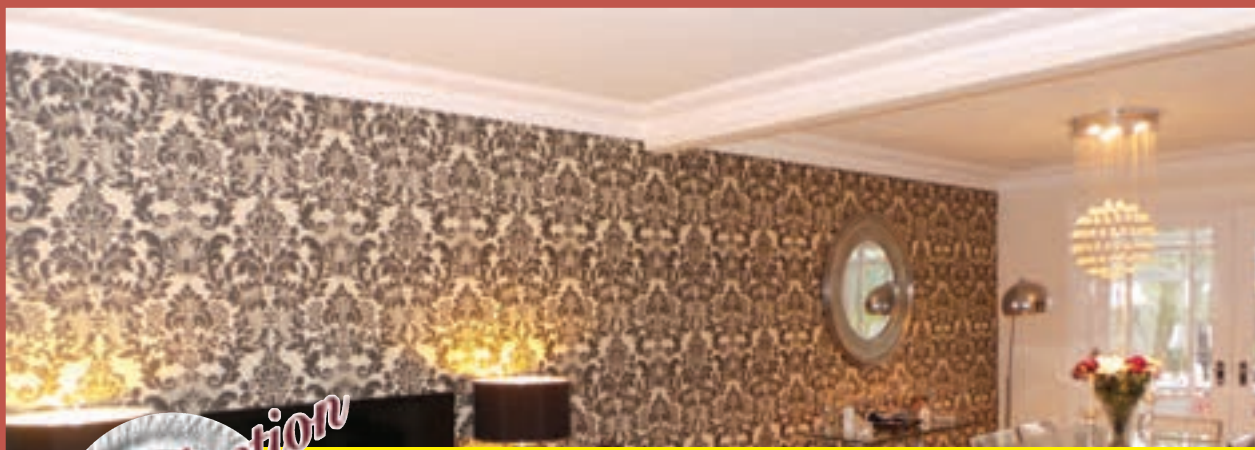
Tel: 01633 81 04 40 www.alukhome.co.uk

Enq. 133

Reproduction

Plaster Company Ltd

**Plaster Cornices
for every interior**



Our cornice range starts from less than £10 per metre



VISIT OUR GLASGOW SHOWROOM
Contact Sharon@reproplaster.co.uk for new E-brochure
www.reproplaster.co.uk • 0141 7761112

Enq. 134

Prices "SMASHED"

On Aluminium Bi-folding Doors
SMARTS Visofold 1000 Profile

Price Smash on all of our Aluminium Bi-Fold doors, **challenge us** on price for your quote and we will even give you **10% OFF*** your first door ...**WOW!**



BI-FOLD DOORS from
£365+VAT per Sash

PRICE EXAMPLE

PRICE CHALLENGE!

Compare us today.
We will not be
beaten on price.

- Premium Aluminium profile by SMARTS
- A choice of RAL colours
- On-site delivery available
- Low Threshold Options
- Quick Turnaround from quote to delivery
- Log online to view our new **EZI Door Quote System**



10% OFF*
your first
door now

Find out more!



Call Nigel **01642 610798**

Fax **01642 671026**

www.madefortrade.co

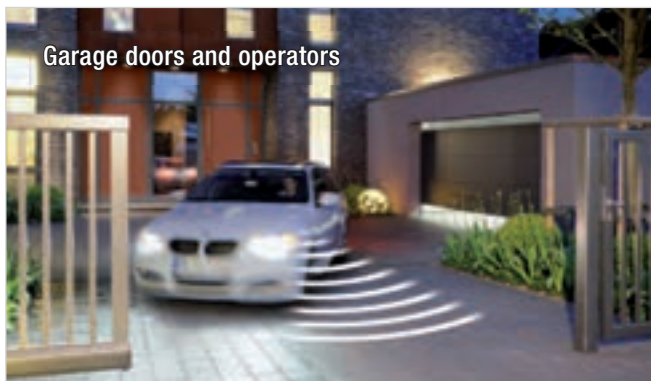


made for trade

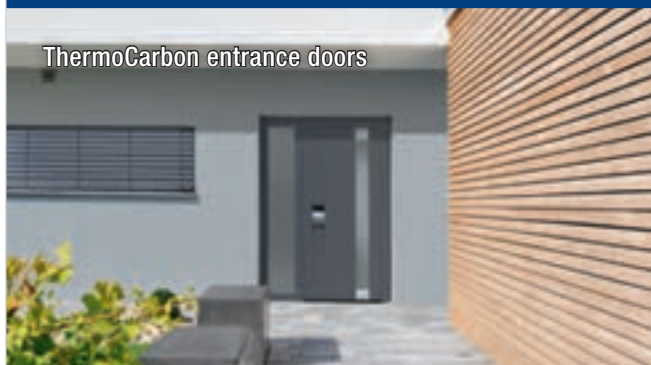
*Offer open to new customers on first order. Not applicable to glazing and delivery charge.

Enq. 135

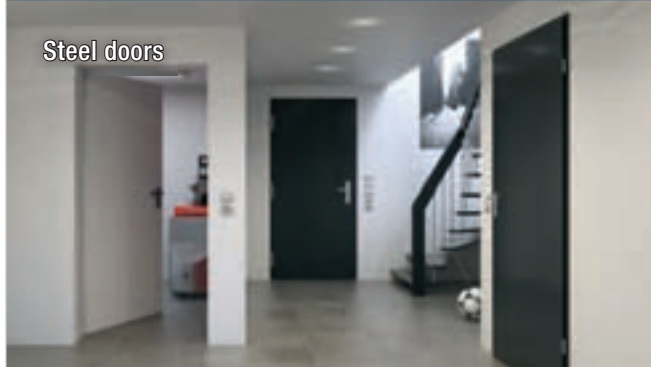
Garage doors and operators



ThermoCarbon entrance doors



Steel doors



Europe's largest door programme

- Europe's no. 1 with more than 75 years of experience in the door construction business
- NEW: ThermoCarbon with maximum thermal insulation of up to 0.47 W/(m²·K)
- Steel doors with thermal break for optimal thermal insulation

www.hormann.co.uk

HÖRMANN
Garage and Industrial Doors



HÖRMANN

Enq. 136

Luxury Homebuild

World Leaders

Grand Designs

PassivHaus Bespoke Glazing

If you're planning a self-build or renovation you need to be sure that your project is in safe hands.

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

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

Get in touch with us to discuss your project further.

Call us today on
0800 2888 066

or email your plans to
quote@altitudealuminium.co.uk

Visit our website
www.altitudealuminium.co.uk



Reader
Enquiry
137



Schueco UK Ltd



Schueco is further augmenting its range of glazed, panoramic sliding doors with the introduction of a manual version of its successful Schueco ASS 77 PD.HI system. With ultra-slim sightlines (the interlock stile width is 30 mm) and a perimeter frame that is concealed within the wall, the new door provides maximum transparency and virtually uninterrupted external views. An ability to span wide openings make it ideal for use in high-end residential and commercial buildings.

It can accommodate double- or triple-glazing which, in conjunction with the door's thermally insulated frames, delivers 'U' values as low as 1.1 W/m²K.

Tel: 01908 282111 www.schueco.co.uk

Enq. 138

Eye Catching Advertising



Have you ever struggled to find a house number at night? This can be even more frustrating for taxi drivers, parcel delivery men, ambulance services and such.

Eye Catching Advertising has seen many attempts to resolve this issue, such as solar and battery operated lights that are simply not bright enough. However, the latest venture from the company could be the answer to the problem. This is a 12v bright, LED

house number, with a sensor that automatically switches on and off, so there is no need for a timer. For more information, please visit Eye Catching Advertising's website.

Enq. 139

Old Manor Cottages

Double Glazed Timber Windows & Doors for the Period look.

By combining tradition with modern techniques in a unique way double glazed windows can now be made to replicate the originals.

Accepted for use in Listed Buildings by many Conservation Officers.

- Selected hardwoods used for all Box Sash, Casement Windows & Doors, with slim Ovolo glazing bars 19mm wide.
- Sealed units fitted with plain 'Warm Edge' spacers matched to window colour.
- U Value now down to 1.6
- Supplied fully factory finished, painted & glazed from the inside for additional security.
- Supplied ready to fit from your drawings or survey.

01462 456033

TURNPIKE LANE - ICKLEFORD - HITCHIN - HERTS - SG5 3UZ
www.oldmanorwindows.co.uk - oldmanorco@aol.com

Enq. 140

CONSERVATORY

ROOFS, ORANGERY ROOFS, LANTERNS

PRICE CRASH!

Global Summer Orangery



Easy installation of lighting system



Decorative gutter fascia and fluted glasswork

Stylish and elegant



External post



Internal view

Don't miss that sale on PRICE!

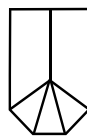
Try a Price Comparison - SAVE £££s

- Very quick turnaround
- 25m m and 35mm poly
- A ll rafter cappings scribed and pre-cut - ready to fit
- A ll roofs checked sleaved and bubble- wrapped for safe delivery
- F ree delivery to site
- White, Oak, Rosewood, and Mahogany Artisan Colours



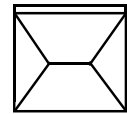
FITS ALL SIDE FRAME SYSTEMS - EASY TO FIT

2.8 x 2.9m Victorian 25mm Opal



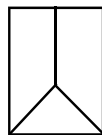
from
£571
ex. VAT

4 x 3m Double Hipped 25mm Opal



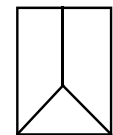
from
£1113
ex. VAT

2.8 x 2.9m Edwardian 25mm Opal



from
£627
ex. VAT

2.8 x 2.9m Edwardian 25mm Blue Active



from
£980
ex. VAT

Log online to view our new EZI Conservatory Roof Quote System



MARKET LEADING ROOF SYSTEM

Find out more!



*We will try to beat any like for like price quoted.
All prices are subject to VAT at the current rate.



made for trade
www.madefortrade.co

**'MORE COMPETITIVE THAN ALL OTHER ROOF SYSTEMS.
SO DON'T ZOOM OFF, GET A PRICE COMPARISON
AND CHECK OUT OUR ULTRA LOW PRICES!!'**

Tel: 01642 610799

Fax: 01642 615854

LOG ON TO OUR WEBSITE FOR CURRENT PROMOTIONS!

* In our experience we haven't found anywhere who can beat us on price.

Enq. 141

DEVELOPED AND BUILT TO ENDURE
TYPICAL BRITISH WEATHER

THE STORMPROOF SIDE AND TOP HUNG CASEMENT TIMBER RANGE

The range offers a tried and tested cost-effective window solution. Versatile in both style and appearance suitable for most developments requiring high quality timber windows.

The range can be supplied with a WER 'A' Rating for energy efficiency and A+ Rating from the BRE Green Guide for environmental performance.

**HOWARTH
WINDOWS & DOORS**
INNOVATIVE PRODUCTS. SUSTAINABLE SOLUTIONS

For all enquiries please call:
01469 535301
or you can download the brochure at:
www.howarth-timber.co.uk

Superior thermal performance
1.3W/m²K
Superior thermal performance

MADE IN THE
UNITED KINGDOM

Enq. 142

Evolution Structural Warranties



Can Evolution help with your structural warranties? Evolution Insurance Solutions Ltd is one of the UK's leading brokers in the 10-year structural warranty market.

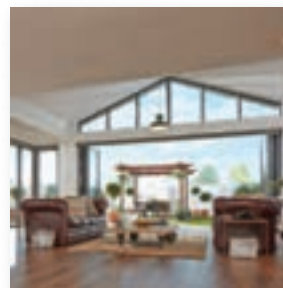
If you are undertaking a development project in the near future you will require a mortgage compliant warranty. Evolution is a specialist in this market and will source the right product at competitive rates for your project. The company is an insurance

broker authorised and regulated in the UK by the Financial Conduct Authority under FCA number 472438.

Tel: 01799 512 031 www.buildingwarranties.com

Enq. 143

Origin



A new range of aluminium windows has been launched by Origin. The Origin Window has been designed and engineered following demand from trade partners seeking a window to match the aesthetic and quality of Origin's bi-folding door system.

The Origin Window is a perfect match for any modern build and an ideal replacement for windows in period properties. The aluminium frames offer the right combination of strength and weight, allowing for

narrow sightlines, while providing superior thermal performance and improved acoustic dampening. The Origin Window is available from the company's website.

Enq. 144



Relax... Everything's fine!

Beautiful, energy-efficient and secure, **Swish windows and doors** are designed, built and installed with care.

They're the **perfect choice** for people who've got other things to be worrying about.

Home Swish Home

call **0808 178 3040** or visit www.swishwindows.co.uk

Swish.
WINDOW AND DOOR SYSTEMS

Enq. 145



Firing imaginations for over 30 years...



Over 30 years of British design and engineering have gone into creating the UK's most comprehensive range of high quality **woodburning, solid-fuel, gas and electric** stoves and fireplaces.

STOVAX | **GAZCO**
Fire Your Imagination

Reader
Enquiry
146

www.stovax.com

fires & fireplaces showcase



1 ARADA

Arada's Stratford Ecoboiler range provides a highly-efficient, economic and sustainable alternative to traditional heating systems, producing 50 per cent more heat to water than comparable stoves and raising water temperature far quicker than the average boiler stove. The Ecoboiler's large fire door glass, soft curved lines, discreet thermostatic control and three bar operating pressure makes it the ultimate heating companion. Arada's new dedicated wood boiler, the Stratford Ecoboiler Wood, is also now available.

www.aradastoves.com

enq. 147

2 LANDY VENT

Landy Vent UK Ltd has completed formal EU testing for two of its Ecco Stove models, the EC678 and EC730 which achieved ground breaking efficiency; carbon to atmosphere and particulates to atmosphere achieved up to 88 per cent efficiency and CO of 0.07. The heat storage benefits have not been affected, making it the first in UK design and manufacture for slow heat release appliances. Landy Vent now has four stoves in its range to suit all houses and tastes and exhibit at different shows throughout the year.

www.landyvent.co.uk

enq. 148



3 CLEARVIEW STOVES

A Clearview Stove will provide a heating method that is environmentally beneficial, a focal point for your room, avoid the worry of power cuts and save money on your energy bills. Clearview Stoves are made exclusively in Britain and have become synonymous with quality, reliability and craftsmanship. Their uniquely designed air wash system provides not only highly efficient combustion and excellent controllability but also an exceptionally clear view of your fire. Visit the website to find out more.

www.clearviewstoves.com

enq. 149

ECCO STOVE

REGISTERED PATENTED BY CVO LTD,
LONDON & USA

UK patent number GB 2 467 433

New Model EC678 88% Efficient, Low .07 CO to atmosphere



- Thermal mass heat storage releases heat slowly throughout the house (not just the room), no ducting needed.**
- Stores 25% heat 12 hours after the fire has gone out.**
- 88% efficiency.**
- One 5kg firebox load of wood heats house for 12 hours.**
- Simple two-man assembly using a dry-stack modular method. Stove body made of pre-cast silicon**
- Designed in the UK and made in the UK.**






Defra Exempt

Contact Debbie Langley today to learn more about the Ecco stove advantage on 01527 857814 or sales@landyvent.co.uk. Visit the website www.eccostove.com

Innovation in
Silicon Carbide

Enq. 150

FR920HE - New Energy Efficient Gas Fire




Using Gas is 70% Cheaper than Wood or Electric

- Running Costs from only 27p/hour.
- Modern Energy Efficient Gas Fire, 6.1kW
- Glass Fronted Fireplace, No Ventilation Required.
- Operated by Thermostatic Remote Control
- Hand Made in the UK, approved to BS7977 & EN613

01325-301020 / sales@cvo.co.uk / www.cvo.co.uk

CVO FIRE



Enq. 151

In this issue of Selfbuilder & Homemaker we look at recent trends in fires and fireplaces to warm your home.

4 **DOCHERTY GROUP**
Heating your home has never looked this good. The Docherty Group's Adina Heating is proud to be the exclusive UK distributor of Spartherm fireplace inserts. Renowned across the world for exceptional product quality and truly exquisite design, it's German engineering at its best. Offering a vast range of shapes and styles, even bespoke designs, Spartherm can meet almost any demand. The fireplace air inlets can be automatically regulated so all you need to do is add fuel. Contact Adina Heating to find your local dealer.
www.adinaheating.co.uk

enq. 152



5 **PRIMA INDUSTRIES**
Add warmth and drama to your outdoor space with a Rivelin – a Prima Industries brand – gas fire table. Taking inspiration from around the globe, it has combined craftsmanship with the latest technology to produce the ultimate smoke free gas fire focal point for any garden or terrace. Using architectural powder coat finishes on stainless steel ensures its products stand the test of time. Rivelins own CE approved pre-aerated all stainless steel gas burners can run on either LPG or natural gas. With a choice of granite and high performance ceramic table tops, its tables can be tailored to your tastes.
www.rivelin.co

enq. 153

6 **SPIRIT FIRES LIMITED**
Gas fire manufacturer, CVO Fire – from Spirit Fires Limited – has extended its range of High Efficiency gas fires with the addition of 3-Sided and Peninsular models. These glass fronted, balanced flue, gas fireplaces have an energy efficiency rating of over 85 per cent which means that the majority of the gas burned is returned to the room as heat. Gas is still the cheapest fuel to use for secondary heating, over 70 per cent cheaper than burning wood or using electric. For more information, visit the website.

www.cvo.co.uk

enq. 154



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. 155

fires & fireplaces showcase



8 SCHIEDEL

The Schiedel Isokern DM36 chimney system has been designed to optimise the performance of smaller output stoves, inserts, pellet boilers and cookers that have an internal outlet diameter up to 150mm. The highly insulating properties of the pumice DM system can maintain the temperature of the flue gases even in the middle of winter, allowing them to escape freely to the atmosphere and helping your appliance perform at its optimum level. The DM chimney system is also available in larger diameters for larger appliances and open fires.

www.schiedel.co.uk/isokern

enq. 157



9 YEOMAN STOVES

With the same cast iron construction and stylish curving form as their gas and solid fuel equivalents, the Yeoman CL Electric range is suitable for virtually any room in the home thanks to its plug in installation. The highly efficient electric stove offers instant glow, heat and impact with three different flame brightness levels, plus an additional blue flame effect. The reflective side panels ensure that the stunning VeriFlame™ visuals can be enjoyed from all angles. Supplied with a remote control for ease of use, this stove is finished in Jet Black Metallic.

www.yeomanstoves.co.uk

enq. 158

7 GAZCO

Primarily designed to fit into standard chimney openings, the Riva2 750 HL allows homeowners to make the most of their existing fireplace. This refined design could potentially attract many homeowners due to the lack of additional building work required for installation, making the Riva2 750 HL a time and money saving option. With larger logs, larger embers and heightened flame effect, this stunning new gas fire has a powerful 7kW heat output and a high efficiency of 80 per cent. The Riva2 750 HL is a natural and commanding extension to the highly efficient Riva2 gas fire range.

www.gazco.com

enq. 156



 **capital**
fireplaces

Specialist suppliers of
exquisite Fireplaces, Stoves,
Fires & Fireplace Accessories

For our latest brochures or to find your
nearest stockist visit our website:

www.capitalfireplaces.co.uk

Enq. 159

Watch
Clearview
owners' videos
on our website



The Woodburning Stove perfected



Come home to the benefits of a Clearview Stove

British designed and built, a Clearview Stove is that rare thing, a product that truly lives up to its name and reputation. Our stoves are such a pleasure to use they not only lift the temperature but they lift your spirits as well.

**CLEARVIEW
STOVES**

Britain's leading manufacture of
clean burning wood stoves

Reader
Enquiry

160

STOCKISTS THROUGHOUT THE UK
Brochure Line: 01588 650 123 www.clearviewstoves.com



Specflue

With an average energy efficiency of 91 per cent, compared to 80 per cent for wood stoves, Specflue's range of comfort air pellet stoves is not only energy efficient, but cost effective.

Providing an ideal environmentally-friendly alternative to wood burning appliances, the stoves can be controlled remotely and programmed to come on automatically as and when required, so are perfect for people with busy lives; the perfect combination of convenience and ease-of-use. The comfort air pellet stoves also require very little involvement, with fuel replenishment typically required once a day, as opposed to every couple of hours with a wood burning stove.

Specflue, a leading supplier of flue systems, wood burning stoves and renewable heat products, is fast gaining a reputation as a one-stop shop for all things to do with sustainable heating. Not only does it supply a comprehensive range of products including thermal stores, solar panels, pellet stoves and biomass boilers, it also delivers training courses to enable heating engineers to gain the qualifications they need to upskill and take advantage of the growth in domestic renewable installation work.

Tel: 0800 9020220 www.specflue.com

Enq. 161



Charlton and Jenrick Ltd

Charlton and Jenrick Ltd has now added a complete new range of high specification multi fuel stoves to its stove portfolio. Known as the Purevision™ HD range, it comprises six models, three freestanding and three inset with stand and log store options available for the freestanding versions and three or four sided trims for the insets. The models are sized as 5kW standard, 5kW Wide and 8.5kW nominal output and contain technologically advanced patent pending design features.

Emissions meet EU leading DIN+ levels and already achieve current emission and efficiency proposals for 2022 European Eco-Design standards, which are far tougher than current mandatory norms.

DEFRA exemption for wood-burning in a smokeless zone was a formality, with test results up to 97 per cent below permitted levels of visible smoke. These highly efficient stoves produce a clean burning high definition flame that has to be seen to be believed.

Experience real living flames in high definition with Purevision HD.

Tel: 0845 5195 991 www.charltonandjenrick.co.uk

Enq. 162

RIVELIN

Made in Sheffield

www.rivelin.co
01709 524162 enquiries@rivelin.co

**Premium quality outdoor gas fire tables
designed and manufactured in Sheffield**

Enq. 163

Sensational style
with first class **combustion technology**

Adina Heating Products
Unit C, Fairview Buildings
Heage Road Ind. Estate, Ripley, DE5 3GH
T: 01773 571 330 F: 01773 367 989
E: sales@adinaheating.co.uk
www.adinaheating.co.uk

Enq. 164

Another winner from Garador

It's an open and shut case! Up & Overs are already Britain's top selling doors. Now, with their fabulous new looks and great options, the



Garador Windsor and Ascot doors are certain to be market leaders in the coming months.

Both doors share a number of top features. They are constructed from high grade galvanised steel finished with a durable powder coat and a rivet free panel for an ultra smooth appearance. Both come in a choice of 18 vibrant new standard colours. Both styles share the same state of the art operational systems with a range of options available such as a retractable gear, factory pre-framed purpose-made; free poly-wrapping on colours, length choices on bottom weatherseal; and additional Lock Kit fitted onto door.

Both are priced very competitively and are easy to install with minimal maintenance.

The main difference between Windsor and Ascot is design. The fresh modern styles incorporate a horizontal panelling for Ascot while



Windsor is vertical; but it's not a big difference – both designs will add a fresh new look to any home.

Enq. 165

Call **01935 443709** for more information or check out all the new doors from Garador on their relaunched website at www.garador.co.uk

Eurostove



Launched in Europe at February's Verona exhibition, the Hergom Glance woodburner from Eurostove proved to be a head turner and show stopper in every sense. The innovative design introduces front and side ceramic glass vision panels with a modernistic 'sky-scraper' style top and side surround bars. The front of the unit, which can be free standing or wall mounted, has a flush glass finish with a discreet stainless steel handle. The excellent approximate 80 per cent efficiency

performance is through a cast iron double structure and vermiculite-lined firebox. The Glance also has a removable ash pan.

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

Enq. 166

Diligence International



While the flagship design of the Focus Fire range – available in the UK from Diligence International – is the iconic Gyrofocus, original inspiration came with the Antefocus. This was the very first design from Dominique Imbert, the man behind Focus, who created it for his own art studio in 1967, and lead him on to the successive Gyrofocus. Particularly suitable for areas where space may be limited, or there is a desire to create a feature wall. Style wise, it is as fresh today as it ever

was – bringing a sophisticated look to any room, contemporary or rustic. The fire boasts an impress 1.9m fire bed ideal for longer logs. As with the original, this fire is made to order, by hand, in polished raw waxed steel.

Enq. 167

LogFire

Stoves & Flues

T +44 (0)1254 665059
E sales@flexifueliners.com



Receive £300 Discount on ANY LogFire Stove!

When you spend **£250+** on Flue Products at:

www.flexifueliners.com



Flue Liner, Twin Wall, Vitreous Enamel Stove Pipe, Chimney Cows & Installation Accessories

www.flexifueliners.com

Enq. 168

A door to the future

Simon Hipgrave is managing director of Britain's leading garage door manufacturer Garador. Here he explains what is involved in making that vital choice of a garage door for your home

In recent years, thanks to new materials and technology, modern garage doors have developed almost as much as modern homes. It is only when you start looking at garage doors that you realize the choice is almost as complex as selecting a new kitchen.

It is also equally important. After all, a garage door has major impact on the overall look and feel of a property; get it right and you can greatly enhance both the building's style and value as well as making your day to day life easier.

The first thing to think about when choosing a garage door is not style or colour but practical implications. For weather protection and also these days for security, many people still like to put their car into a garage overnight or when not in use. So ease of access and fast, smooth opening and closing operations are crucial.

Up and over are Britain's most popular garage door. Easy installation and low maintenance plus good affordability ensure these type of doors, which swing up into the roof space, will remain top favourites.

However, for homes with short driveways, it can be better to consider

a sectional garage door. These are made up from separate sections rather than a single panel and rise vertically into the top of the garage space, meaning there is no loss of driveway space in front of the garage. These doors can also be a good choice to ensure maximum width of the garage space, especially for drivers of wider vehicles such as 4x4s.

Roller doors are another option and are perfect for garages where there is limited head room in the garage or if you want to retain access to the roof.

Top garage door makers may offer additional options such as side hinged garage doors. These, as the name implies, are fitted at the side with a central open and can be the solution if you are using your garage for additional purposes such as storage.

Once you have worked out the basic type of door that is best for you; there are still lots of aspects that need to be looked at before you finally start thinking about material, textures and colours.

Insulation is important these days and garage doors can come with different insulation options. You can look for leading garage door makers who have introduced their own environmental impact systems and recycling schemes; all helping to save energy.

Security these days is crucial, especially as so often valuable sporting and gardening equipment is stored in garages. Garage doors with full Secured by Design (SBD) accreditation in the UK and these have become enormously popular. SBD is a UK police initiative focusing on crime prevention in homes. Garage doors with this accreditation will offer higher levels of security through aspects such as additional high security back brace protection, improved and reinforced locking systems and additional technical advantages that not only help to deter burglars but can also help to prevent entry even after an attack.

Then of course you need to be able to open the garage door quickly and easily. This is where you can go for a range of options from basic

Get it right and you can greatly enhance both the building's style and value as well as making your day to day life easier



A garage door can account for around a third of the front of your home, and be a feature that you use every single day

manual opening to wall consoles and key pads right up to high levels of technology that can offer light beam devices and superb remote control systems. Smart remotes may also include a range of additional features such as remote checks to ensure garage doors are fully closed.

Today, it is worth checking the security of any remote because, as with modern cars, savvy thieves can enter electronic operating systems through their own devices. You do need to check that the technology is smart enough to deter burglars.

But of course for most people, the key factor in a garage door is the overall styling and look and that is the most complex area of all. Traditional wood? Glossy bright colours? A window in the top perhaps? Smooth surface or a textured finish? You can get steel doors that look like wood and wooden doors that can last a lifetime. You can get doors with added features and you can match garage doors to your front door for a co-ordinating look.

If this is all beginning to sound a little daunting, there is no need for concern. While all builders may not be aware of all the latest developments in garage doors, leading garage door manufacturers will have good overviews on their websites and should be able to offer full advice on specific builds and requirements.

The main thing is to plan a garage door properly. Accepting one in a colour you like that fits your build can be a quick way to get your home finished; but it may not be long before you realise that spending just a little extra time and effort in research could have resulted in a much better garage door for your home.

When you think that a garage door can account for around a third of the front of your home, and be a feature that you use every single day, it becomes clear that choosing the right garage door for your build is very important indeed.

Enq. 169



oversized doors now available

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

urbanfront.co.uk
01494 778787

 **CERTIFIED COMPONENT**

urban|front®



Enq. 170

 **THE ACORN RANGE**
 over 480 designs
 Free planning drawings with every order on our Acorn Range*

Oak Frame garages Ideal for Self Assembly or by our Expert Team
*(subject to conditions)



£3600*
(List price £4168 + VAT)

www.oakdesigns.org

The Grayshott - Offer expires 31/12




- Traditional Oak frame garages
- Choose from over 480 Designs
- Assembly pack
- Full build available
- Planning Service
- Optional extras

Try our 'Quick Quote' on our new website

* Prices include oak posts, eave & tie beams, braces, softwood soleplates studwork, rafters, weatherboarding, saddle stones, 1 pr. softwood doors. Excludes groundworks, bricks, roofing, assembly, delivery & VAT.

Contact our Sales Team on 01273 400411

Enq. 171



Hörmann

A new double leaf, hinged door brings yet another option to the comprehensive range of garage doors from Hörmann. This traditional style is brought right up to date, using the same insulated panels that form Hörmann's class leading sectional doors.

The double skinned insulated panels feature CFC free rigid polyurethane foam sandwiched between steel surfaces. The 42mm thick panels not only offer high levels of insulation but also add to the strength and stability of the doors, contributing to the smooth and quiet movement when in use. The full range of finishes, including the new textured Sandgrain, can be selected with these hinged models. Colour choice is almost unlimited with the Micrograin, Silkgrain and Woodgrain finishes, which can all be selected with the RAL-to-choose option alongside 15 preferred colours. Winchester Oak has been added to the Decograin palette, alongside Golden Oak, Dark Oak, Night Oak, Rosewood and Titan Metallic CH703, adding further choice. All these options can also be provided as side doors with multi-point locking, so that complete uniformity of appearance can be achieved with both the new double leaf and sectional garage doors.

Tel: 01530 513000 www.hormann.co.uk

Enq. 172

Bespoke Garage Doors

[Commercial](#) | [Domestic](#) | [Listed & Heritage](#) | [Special Projects](#)






Solid Timber | Aluminium | Brass | Glass

Quality - Innovative - Proven since 1968



T: 0151 280 6626 | E: info@rundum.co.uk | W: www.rundum.co.uk

Enq. 173



SHS Products are the leading supplier of stainless steel and glass balustrades in the UK. Providing bespoke solutions to meet our clients' needs domestically & commercially across the country.

"Understanding, satisfying & exceeding our customers' expectations"

CALL OUR TEAM NOW:
0800 068 6363

A Member of
 Southern Group plc
100% Shareholder

Address: Units 9 & 10 Birch Lane Business Park
Birch Lane, Aldridge
West Midlands, WS9 0NF

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

Search Online:
'SHS Products'






Frameless Glass



Posts & Glass



Infinity Railing

Enq. 174

Cost-effective aluminium windows and doors create low energy use buildings

Aluminium systems not only offer top energy efficiency levels, but also add value to a home.

According to 40 per cent of architects, a cost-effective solution for customers looking to sell or wait for a better housing market can be to install larger windows and doors.

When adding a striking extension to a home it's important that homeowners have access to sound advice regarding product choice and are able to find the right solution for their specific build. Among other issues, they should consider the orientation of their new building, as the direction the rooms face might ultimately help determine their use.

North-facing rooms get less sun than any other, and windows with a high Energy Rating will maximise what energy is gained from the sun so it can remain warm throughout the year. Reynaers at Home has a number of aluminium window and door systems that are able to maximise light entry, while at the same time improve thermal efficiency. Its high performance CS 77



HI+ window system has achieved a Window Energy Rating of A+ from the British Fenestration Rating Council (BFRC).

The BFRC's window rating system was introduced to meet the need for simple and accurate certification regarding the thermal performance of window products. Windows are rated on an

A to G scale based on their total energy efficiency, which allows fabricators to quickly and easily choose the most suitable window.

The Reynaers at Home Concept Window System had to achieve a rating index of 10 or above to be awarded the A+ grade (the highest level). The BFRC rating system checks all of the important factors that contribute to the energy efficiency of a window system, including U-value, solar heat gain, air tightness and sightlines.

John McComb, director technical services at Reynaers at Home, said: "Our aluminium windows and doors give energy conscious architects and fabricators the ideal system when creating low energy use buildings. The CS 77 HI+ triple chamber system has the highest levels of insulation, thus preserving as much energy as possible. The system can be installed with either inward or outward opening casements and has integrated gasket seals to ensure superior wind and water tightness. The advanced technology brings the Uf value down to 1.2 W/m²K."

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

Enq. 175

Sunsquare



UK skylight designer and manufacturer Sunsquare is set to impress visitors of Grand Designs Live Birmingham with its stunning 3x1.5m on-stand Pyramid Skylight. Almost making its debut as the 'eighth wonder of the world' at stand number B680, the length of the on-stand Pyramid Skylight is made from a single pane of glass. Expected to attract a consistent flow of visitors, it marks the launch of the new range of Pyramid Skylights. Pitched from 30 degrees, 15 degrees lower than the

previous model, the product is less intrusive, offering just as much light. It is also available in a single pane up to 1,500mm width and 3,000mm depth.

Tel: 01284 848668 www.sunsquare.co.uk

Enq. 176

Crittall Windows



Correctly installing high quality steel windows adds value to the investment you've made in your self-build home – an important consideration when it comes time to sell. British pioneers of steel frame windows over 160 years ago, Crittall Windows, advises it's essential to ensure you install the window brand it says it is – only the original, genuine, make. There are window companies claiming to be providing that, but are not. The slim 'timeless' frames and sight-lines, the graceful elegance offered by steel windows, present a light delicate feel inside and out, giving consistency of design.

Tel: 01376 530800 www.crittall-windows.com

Enq. 177

a total solution for architectural glazing



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



Tel: 01842 816080

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

Enq. 178



WOULD YOU LIKE **OPEN PLAN LIVING** ON DEMAND?

OPEN UP **MORE OPTIONS** WITH JELD-WEN

Open up your living space with Room Fold internal doors from JELD-WEN and bring a feeling of airiness and light to your rooms. Crafted from high quality American white oak or primed timber, Room Folds glide open at the touch of a finger and have no bottom track, leaving your flooring uninterrupted.

- Available in a variety of widths and opening types
- 2, 3, 4, 5 and 6 door options
- American white oak and primed solid construction doors in a range of traditional and contemporary designs
- Matching single doors to offer a suited look throughout the home

NEW DESIGNS NOW AVAILABLE



Visit www.jeld-wen.co.uk

call us on **0845 122 2891**

or scan this QR code with your smartphone

VIEW PRODUCTS
IN OPERATION
AND FITTING GUIDES
ON OUR WEBSITE

Reader
Enquiry
179

JW
JELD-WEN



Framing a window revolution

Here, Chris Coxon, head of marketing at Eurocell, looks at why the latest frame designs offer self-builders more choice than ever when it comes to windows

One of the best decisions a self-builder can make is to invest in contemporary, high performance, thermally efficient windows. This stands to reason, as around 20 per cent of heat is lost through these elements. Many choose to go beyond current Building Regulations, which require a whole element U-value of 1.6W/m²K or better or Window Energy Rating (WER) of band C or above.

They do this by choosing a triple glazed window with a U-value of 0.7 or 0.8w/m²K to achieve zero-carbon requirements, and that means there are no net carbon emissions. By choosing a window with an Energy Index of 0 or above means there is no energy loss and it could actually allow solar energy into the house to provide heating.

Opting for a window that is as energy efficient as your budget will allow is therefore prudent, not only because it creates a home that is comfortably warm in winter and cool in summer, it will also save money on heating bills and is as future-proof as possible against further updates to building regulations.

Choosing a window with an Energy Index of 0 or above means there is no energy loss and it could actually allow solar energy into the house to provide heating

Frame and glass energy efficiency

If you plotted all the innovations in glass over the last 50 years it would highlight something quite interesting. The advent of double glazing provided the biggest boost to thermal performance. However, further innovations never quite achieved the same step change as this initial advance, including low e-coating, gas-filled and the rise of triple glazing, good though they are.

Continued on page 57...



switchableTM HD

HIGH DEFINITION PRIVACY GLASS



THE NEXT GENERATION OF SWITCHABLE LCD PRIVACY GLASS

ESG SWITCHABLE HD NEW FEATURES HIGH DEFINITION PANEL CLARITY BLUETOOTH AND WI-FI ENABLED SWITCHING
PLUG AND PLAY WIRING SOLUTION HIGH QUALITY AV PLAYBACK AND LOWER ENERGY CONSUMPTION
ALSO INCLUDES EUROPE'S LARGEST PANEL SIZES 5 YEAR PANEL WARRANTY FULL BSI ACCREDITATION
WET AREA SAFE BESPOKE SIZES AND SHAPES

Reader
Enquiry
180

COMING IN OCTOBER

WWW.ESG.GLASS 0845 3225136



Innovation in frame design has taken the PVC-u window into an exciting new era

In reality, every new development since the introduction of double-glazing has resulted in incrementally smaller improvements over earlier innovations. Of course, the cumulative effect of all of them is that modern windows are still around 90 per cent better performing than a 50-year old single glazed window.

That's good news, but it doesn't get away from the fact that there is unlikely to be another 90 per cent improvement in thermal performance of the glazing and each smaller increase will get ever more expensive. That could be why we aren't seeing as many triple glazed windows in the UK – simply because the incremental performance benefit compared to the cost doesn't always make it a worthwhile investment.

So, if performance of glass is reaching the point where incremental improvements are becoming ever more expensive, what options are available? There are now multi-chambered frame profile designs available that are super-thermally efficient. Some products mean a U-value as low as 0.7 can be achieved from a standard argon gas-filled, triple glazed unit, without the need for expensive, esoteric-specification glazing units.

This type of multi-chambered frame design narrows the performance gap to triple glazed windows, while costing around 33 per cent less.

Ultimately, multi-chambered frame designs still allow self-builders to choose standard double or triple glazing specifications. That has the ability to significantly reduce the cost of the windows on a self-build project, while achieving comparable U-values.



Material and sustainability

Sustainable use of materials is a global issue and one that is here to stay. Around 50 per cent of all carbon dioxide emissions in the UK come from buildings and that is the reason why government policy, building regulations and innovation from manufacturers are designed to make construction products more sustainable.

The latest multi-chamber frame designs for windows and doors is no exception and aside from the energy efficiency performance, some feature 50 per cent post-consumer, recycled PVC-U as standard. An intelligent design engineered approach means that this recycled material is concentrated in the central core of the profile, where it is completely invisible in an installed window.

Innovation in frame design has taken the PVC-u window into an exciting new era, with exceptional looks, technical performance, sustainability and cost savings – which is great news for self-builders.



Enq. 181



standing room only

GLAZING VISION

walk on Flushglaze

Terrace Yard, Richmond
in collaboration with Berkeley Homes

Reader
Enquiry
182

sales@glazingvision.co.uk

0333 8000 881

www.glazingvision.co.uk

Everbuild Building Products



Sikaflex EBT+ is a flexible solution from Sika Everbuild, combining the properties of an adhesive with a sealant and filler to deliver an all in one product that can be used on most materials including concrete, brick, mortar, wood and metal. Permanently flexible and water resistant, Sikaflex EBT+ can be used both internally and externally combining strong bond, high grab and non-sagging qualities to ensure it will deliver a secure fix to stand the test of time. These exceptional qualities eliminate the need for most mechanical fixings from an adhesive perspective, and due to its flexibility will not de-bond.

Tel: 0113 240 3456 www.everbuild.co.uk

Enq. 183

FAKRO



FAKRO FTT U6 triple-glazed roof windows with a U-value of 0.81W/m²K have been used with FAKRO in-roof solar thermal panels in architect Rob Delius' self-build in the central Bath Conservation Area. The Head of Sustainable Design at Stride Treglown followed Passivhaus principles, specifying a row of six roof windows and six solar thermal panels for the south aspect to maximise solar gain in winter. B12/1 horizontal combination flashing was used in an integrated roofing approach which included PV tiles and slates, rainwater harvesting, passive stack ventilation and a green roof.

Tel: 01283 554755 www.fakro.co.uk

Enq. 184

VEKA UK Group



The VEKA UK Group has unveiled the next coveted product in the Imagine suite. Following the launch of the sought-after Imagine Bi-fold Door, which set new standards in the industry, the team is proud to present the Imagine French Door. Colin Torley, sales and marketing director said: "We showcased the Imagine French Door at the FIT Show and we were pleased at the overwhelming response it received. The system has a seamless, stylish flush finish - which really caught

people's attention. There is no obtrusive central pillar or false mullion, the doors simply close neatly together and lock securely."

Tel: 01282 716611 www.vekauk.com

Enq. 185

Glazing Vision



The Glazing Vision fixed Flushglaze rooflight is the only glass rooflight to achieve accreditation by the BBA.

It has been independently tested for strength and stability, durability, condensation risk, light and solar transmittance, behaviour during a fire, water resistance and thermal performance. You can view Glazing Vision's range of precision engineered, fixed, hinged and sliding rooflights available to buy online.

Flood your building with natural daylight, create ventilation, open up your roof for real wow factor or even install walk on glass with contemporary, independently tested designs starting at £599.

Enq. 186



DURATION WINDOWS

Aluminium Trade Manufacturer Since 1985



Aluminium Bi-folding Doors



As Seen On Channel 4




Trade Manufacturer Established 1985

Contact Us Today:
01268 681612
duration.co.uk

Enq. 187

We Build It Ltd
simple solution sewage systems



The Bio-Pure

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

01746 781782 www.webuildit-ltd.co.uk

Enq. 188

Grant UK



Grant UK, a leading off-gas heating specialist, has announced the launch of its installer friendly Vortex Mag-One Magnetic Filter, which when fitted, provides protection for all types of central heating systems up to 36kW. Using a simple to install, triple action filtration design, the Vortex Mag-One filters magnetite and non-ferrous debris from central heating systems with a 12000 gauss neodymium magnet. Easy to clean and drain, with a clever design which enables 360° installation, the product is extremely installer friendly. Features include an installation and servicing date wheel, 28mm isolation valves, manual air bleed and a 500ml dosing capacity.

Enq. 189

IBD Distribution



IBD provides a range of sustainable energy efficient heating and ventilation solutions. Products can be fully integrated to offer a complete heating and hot water solution, delivering enhanced efficiency all year round. The Renewable Heat Incentive (RHI) scheme is designed to offer support to fund the cost of a new renewable heating solution. IBD can help self-builders apply for and complete the installation of a renewable heating solution including passing a Green

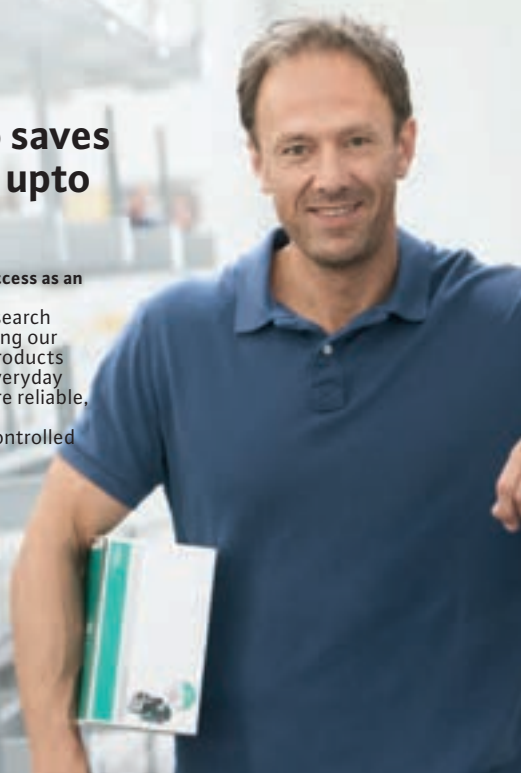
Deal Energy Assessment, completion of an application to the RHI scheme and impartial advice. Please visit IBD on stand B35 at the London Homebuilding Show for more information.

Enq. 190

The Yonos-Pico saves energy costs of upto 90%*

Our research has one aim: your success as an installer. Wilo continuously invests in research and development, always keeping our eyes on one goal: making our products even better and making your everyday work easier. With pumps that are reliable, quick to install and easy to use.

*when compared to an old uncontrolled pump.




Wilo-Yonos Pico

- Unique venting function
- Upto 90% energy savings*
- Tool free electrical connection.

T: (01283) 523000 | www.wilo.co.uk
E: sales@wilo.co.uk | F: (01283) 523099

Pioneering for You

wilo

Enq. 191

Mitsubishi Electric



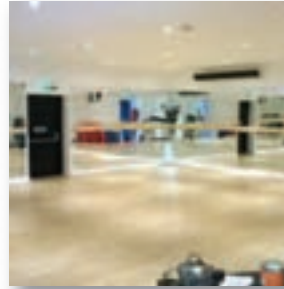
Mitsubishi Electric has released four new testimonial videos including one talking to a professional couple renovating a Victorian pumping station. The videos highlight the benefits of Ecodan renewable heating in everyday situations. "We know the savings that Ecodan can offer but it's a far stronger message if you can hear from existing users of heat pump technology", explains Graham Temple, Marketing Manager for the company's heating systems. To view

the video, visit the testimonial section of the 'Literature and Videos' page at www.ecodan.co.uk.

Tel: 01895 276600 www.mitsubishielectric.co.uk

Enq. 192

Infrarad



Five toasty new infrared Slimline Power Heaters from Infrarad are proving just perfect for making sure the popular classes at Love Pilates in Glasgow are enjoyed at exactly the right temperature. Slimline Power Heaters are available with four outputs – 1,000w, 1,800w, 2,400w and 3,200w – and run on a standard 240v system. They have proved popular in all sorts of commercial building applications where the occupier wants to enjoy infrared heat and save money, such as factories, gymnasiums, restaurants, patios, warehouses and garages. Installation is less complicated than alternative heating systems saving both time and money.

Enq. 193

Invest £35,000 in Domestic RHI

Payback: 4.2 years

Tax free return: £57,645

Expected fuel savings: £1,800 per annum

www.euroheat.co.uk

Euroheat

Do your customers know that investing in biomass is currently a better bet than any fixed rate bank account? Thanks to the domestic RHI, homeowners installing a biomass boiler could secure a tax-free payment of nearly £60,000; a sum that could prove the tool for you to convince the cash-savvy to switch to wood heating. Natural Energy Company Euroheat has calculated that homeowners investing £35,000 in a domestic RHI biomass installation can potentially clock-up a return on investment of £57,645 over a seven year period plus an expected on-going reduction in fuel savings, and a boiler that will last two decades. Simon Holden, co-founder of Euroheat, explains how the figures stack up against a fixed term deposit account: "Bank versus Biomass – it's a no brainer really. By investing £35,000 in a 45kW Euroheat biomass system, payback will be achieved in just over four years with a guaranteed, tax-free government return of £57,645 during the seven years of the RHI scheme. Investing the same £35,000 in a seven-year fixed rate deposit account at 3.5 per cent will see a paltry return of just £1,031, after the adjustment for inflation." While some homeowners are keen to 'go green', many more will be convinced by the investment potential of biomass. In the commercial sector, biomass has been the most deployed technology, providing an indicator of its popularity and financial benefits.

Tel: 01885 491100 www.euroheat.co.uk

Enq. 194



SCAN FOR BROCHURE

THE RADIATOR FACTORY

WWW.RADIATORFACTORY.NET

FOR ALL TYPES OF DESIGNER & ECO-ALUMINIUM RADIATORS

TEL: 0116 260 9257

Enq. 195



Electrolux
Central Vacuum Systems



**They said goodbye to the bag.
We said goodbye to the vacuum...**



light powerful empty annually 20+ year life
quiet no maintenance install in any age home

total home environment

We do more with air...
heat pumps | central vacuums
heat recovery heat pump ventilation

0345 260 0123 Follow @TotalHomeEnviro Like totalhomeenviro totalhome.co.uk

Enq. 196

PINELAND FURNITURE LTD – 01299 271143



- 100% solid wood kitchens – no MDF, chipboard or ply
- Dovetail jointed drawers – mortise and tenon joints for carcasses
- Free design service, individual, hand drawn plans
- Non-standard sizes, at no extra cost, to suit your kitchen dimensions
- Fully assembled units; no annoying flat-pack assembly
- Straightforward, easy to understand costing: prices include VAT & delivery
- Knotted, primed and painted units are now available

Pineland is a privately owned, family company that has been established for over 20 years. We believe in listening to our clients, and our hand drawn plans, reflect our customers desires and opinions. The final design combines well planned functionality, with elegance and beauty, and our clients are often surprised how all this can be achieved at such a reasonable cost.

Visit our website: www.pineland.co.uk Email: enquiries@pineland.co.uk
Or call our offices: CLEOBURY MORTIMER, SHROPSHIRE: 01299 271143
NORTHWICH, CHESHIRE: 01606 41292

Enq. 197

Formica Group



Developed in response to market trends, the Axiom® by Formica Group range of splashbacks and upstands offers a durable and cost effective alternative to tiling with a variety of colours and finishes that cater to all tastes. Axiom upstands are the perfect way to create clean and uncluttered lines between worktop and wall, and can be used both as an alternative to or alongside tiling. Upstands are available to match all 60 Axiom worktop decors. While the latest Axiom range offers 24 matching splashbacks, there are also nine complementary splashbacks in high-gloss bright colours, metallic and glass effects.

Tel: 0191 259 3512 www.axiomworktops.com

Enq. 198

Selfbuilder & Homemaker launch new website

Register online for...

- In-print magazine
- Digital magazine
- Newsletter
- Daily digests



[Visit www.sbhonline.co.uk to find out more!]



LOWER ENERGY BILLS & GUARANTEED INCOME IN THREE SIMPLE STEPS

You could receive thousands of pounds over 7 years just for heating your home with a heat pump instead of a boiler.



Step 1

Ice Energy will design, supply and install a heat pump to replace your existing heating system and save you money. We'll also register the installation and help you apply for generous payments via the government's new **Renewable Heat Incentive**.



Step 2

Pick up the phone to place your order and secure tax-free, index-linked payments direct to your bank account, lower energy bills and security of supply.



Step 3

Sit back, relax and wait for your payments!

To find out more call **0808 145 2340** or visit www.iceenergy.co.uk



Enq. 200

RS LONG RAKE SPAR CO LTD
Suppliers of Specialist Decorative Aggregates since 1967



Self Binding Gold Path

Polar White 8-11, 20 mm

RHS Hampton Show Resin Bonded Pathway

Long Rake Spar are the leading suppliers of decorative and surfacing aggregates in the UK. Our Extensive Range Is Ideal For:

- Resin Bound and Bonded Systems
- Landscaping Projects
- Environmentally Sensitive Areas
- Distribution through building merchants and centres

Call: 01629 636 210 Fax: 01629 636 247
Visit www.longrakespar.co.uk Email: sales@longrakespar.co.uk

Enq. 201

Best 4 Garden




Upgrade fence and railings

- Get the beautiful award winning heavy duty planters, with drainage collectors
- Greenbo and XL greenbo, 8 colours available

Root Barriers

- Protect foundations from tree roots with root barrier control bamboo plants from spreading with rhizome barriers

Save hundreds of hours | Safe cost effective solution

- Save many hours year after year and enjoy neat lawn edges
- Most cost effective solution, safe long lasting strimmer proof & mow over
- Ideal for lawns, aggregates, synthetic lawns, terraces and raised beds
- 3 colours, range of heights, strength and length

www.best4garden.co.uk | 01630 647532

Enq. 202

Grass paving the only full range

grasscrete
the environmental paving solution

grassblock
grass and concrete surfacing

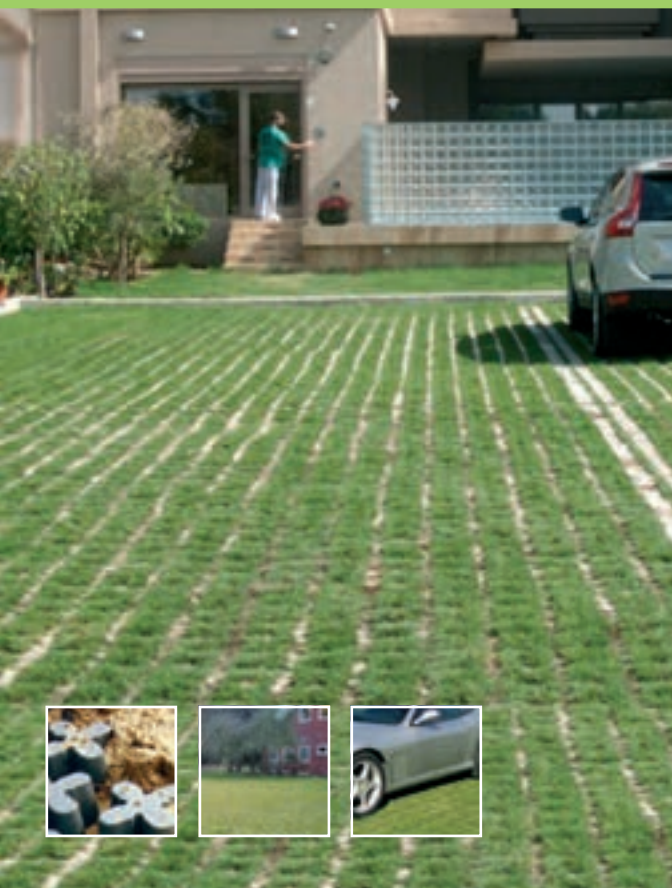
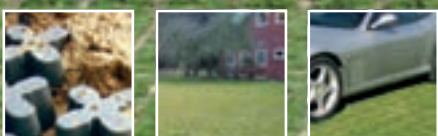
grassroad
grassed paving system



Grass Concrete Limited
Duncan House, 142 Thornes Lane, Thornes,
Wakefield, West Yorkshire WF2 7RE England
Tel: +44(0)1924 379443
Fax: +44(0)1924 290289



www.grasscrete.com

Enq. 203

Good exterior landscaping is about more than kerb appeal

After another spring of storms and their subsequent flood stories making a stake in the headlines, Andrew Gill, marketing manager at Brett Landscaping, takes a look at the hard landscaping options available to the self-builder and offers advice on how to get the best for their project

Taking on a self-build project is a tough prospect which many will never face, one wrought with the complexities of making decisions big enough to leave their mark for years to come. Some choices, with regard to design and materials may prove utterly successful, while others could regrettably lead to problems further down the road – resulting in the potential need to ‘rip it out and start again’.

[A truly unified design which will endure for years]

For a self-builder to get every decision right first time would be a marked achievement, if not a minor miracle! It therefore pays to maximise your chances upfront by drawing on the expertise of your suppliers for more detailed information.

In designing a development of any size hard landscaping is an area where value really can be added, for both the short and long term. After all, a grand design of any kind should not be restricted to the interior layout and décor alone. The architect's drawing board should tie every element together, including the external landscaping, to create a truly unified design which will endure for years.

It goes without saying that any return on your investment in a building's overall design will be significantly reduced if the external aspect is only enlivened by a smattering of asphalt and rectangle of grass since this would significantly reduce the all-important ‘kerb appeal’ of your project.

Aesthetics on the outside should be as considered as on the inside. Yes, it will undoubtedly cost a little more but bear in mind that 80 per cent of patio and driveway expense is assigned to the actual ground works, while only 20 per cent is incurred by the paving. Surely this gives even more reason not to skimp on quality and study the paving catalogues in a little more detail?

Nor does such research apply only to aesthetics. To be forewarned is to be forearmed, and careful scrutiny of the available options can even help protect your new house from flooding.

All new homes are required to have a Sustainable Drainage System (SuDS) in place to minimise surface water run-off from the site – incidentally, since 2008, this requirement also



© 2013 MCCONNELLS AND BRETT LANDSCAPING



© 2013 MCCONNELLS AND BRETT LANDSCAPING

Outsource the installation to a professional; most major paving suppliers will have approved and fully guaranteed installer schemes

applies to replacement driveways. This step is intended to reduce the risk of future flooding events by creating similar run-off rates to those achieved on a greenfield site.

While regulations requiring the use of SuDS in new developments have yet to be fully introduced by the government, it's a certainty that if sound drainage doesn't form part of the basic infrastructure, then related issues are likely to ensue in the future. These may affect your property directly, or those downstream from you. You may even think that it's someone else's problem but remember that you will be downstream of someone else.

The main issue is surface water run-off overwhelming our drainage systems. A typical urban development sees only 5 per cent of rainwater absorbed into the ground, as opposed to 95 per cent on a greenfield site. Research following the 2007 floods showed that 66 per cent of the flooding was caused by infrastructure being overwhelmed by surface water run-off rather than by rivers breaking their banks. It is therefore essential to do something now.

An effective SuDS solution can be achieved by a number of solutions with the final selection being most frequently decided by available space, cost and aesthetics. In many cases the use of permeable paving is chosen as offering the best all round compromise since it is often almost indistinguishable from conventional paving and requires no additional maintenance.

Secondly, you should consider the impact of your selection on others involved in your supply chain. Here, we're talking about choosing reputable suppliers who source their product ethically and who are working to improve conditions within their supply chain. This is especially true if you're considering products sourced from emerging economies – such as Indian Sandstone. Specifically, try and look for suppliers who are members of the Ethical Trading Initiative (www.ethicaltrade.org) or other independent bodies working in this area.

Thirdly, once all the agonising over product selection has ended, think about who is going to manage the installation. For the best results outsource the installation to a professional; most major paving suppliers will have approved and fully guaranteed installer schemes which offer a great place to start if you haven't already got your own contractor in mind.








Finally, look carefully at all the options and get samples of those you like, as there's a strong chance that you're going to be living with your paving selection for a lifetime. Or, if you're building to sell-on, then that first impression given by your landscaping could create a property where buyers decide it's the house for them in the all-important first five minutes of viewing.

The outcome should then be an exterior to complement an individually designed home, that's sustainable, responsible and a pleasure to be surrounded by.

Enq. 204

Brilliant edging products for every project



				
EverEdge Classic	EverEdge ProEdge	EverEdge Titan	EverEdge Garden Rings	EverEdge Planters
<p>The permanent way to maintain neat edges for lawns, paths, flower and vegetable beds</p> <ul style="list-style-type: none"> • Flexible 1 metre lengths • Maintenance-free • Will not rust • Just mow over for perfect edges <p> Made in Britain DESIGNED AND MANUFACTURED</p>	<p>The efficient option in flexible steel edging for larger projects</p> <ul style="list-style-type: none"> • 2.5 metre length for quicker installation • Fewer joints for unobtrusive, cleaner edges • Deeper, wider spikes for extra stability • Heavy duty 2.5 mm thick galvanised mild steel will not rust 	<p>When a deeper and more robust edge is required we recommend the Titan system</p> <ul style="list-style-type: none"> • 2.5 metre lengths • 2.5 mm to 6.0 mm thicknesses • Made to order in various depths <p> EVEREDGE THE EDGING COMPANY</p>	<p>The rings are assembled by securing two simple coach bolts at each overlap to achieve a neat and clean circle to go around trees and shrubs</p> <p>Supplied:</p> <ul style="list-style-type: none"> • 600 mm 2 piece, 900 mm 3 piece, • 75 mm & 125 mm depths • Bespoke rings can be supplied upon request 	<p>These rugged planters can be made to order</p> <ul style="list-style-type: none"> • Cor-Ten (as shown above) • Weathered Steel • Hot Dip Galvanised • Powder Coated

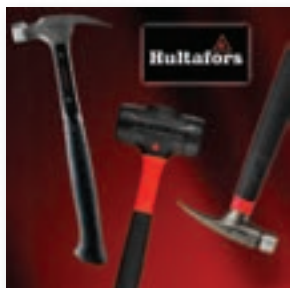
Please write, telephone, or visit our website for more information

Follow us on Twitter @EverEdgeUK

EverEdge, PO Box 9, Stroud, Gloucestershire GL6 8HA Tel: 01453 731717 Ordering online is available at www.everedge.co.uk

Enq. 205

Hultafors



In this new generation of tools from Hultafors, you'll find ball hammers, carpenters' hammers, T-Block hammers, electrician's hammers, dead blow hammers and even copper hammers. They are tools that can handle the toughest work, delivering the best possible levels of performance and safety, whatever the job. Ergonomically designed for ease of use and with a range of sizes and special grip technology, these hammers are perfectly crafted for you. With vibration

damping features as well as reduced recoil and even an anti-sparking feature in one of the models, you can rest assured that Hultafors Tools hammers will be the perfect addition to your toolbox.

Enq. 206

Hunter Plastics



Orion Homes chooses stylish Regency guttering for its developments; not only for its smart looks, but also for its quality and ease of installation, thanks to the patented Hunter Surefit fixing system. Installers from housebuilder Orion Homes have fitted literally miles of the traditionally styled Hunter guttering on new homes right across Yorkshire. The latest development featuring Surefit Regency is Spring Place Park near Mirfield, a development of three and four bedroom homes, with stunning views across the countryside. Installation of Surefit Regency is quick and easy thanks to the fixing systems, making a secure joint every time.

Tel: 01622 852561 www.hunterplastics.co.uk

Enq. 207



PUNK

On occasions, tradesmen get frustrated with their tools on the job – time is money, but put the new power tool accessory brand PUNK in your machine and you'll hit peak performance every time. The highly disruptive PUNK range is designed to give you the edge. From drill bits to jigsaw blades, the 'power' in any power tool is a direct result of the accessories that are used – and as every tradesman knows, the tools you use can make or break a job. The range has been extensively researched in lab tests and on-site trials to ensure the highest quality and performance; every aspect has been developed with the demanding professional tradesman in mind. As part of the full range roll out, six free sample accessories will be launched over six months for tradesmen to 'try-before-they-buy'. The first month sees the launch of PUNK's powerful 'SDS+ Drill Bit', which is available to claim from the PUNK website. Created using the toughest tungsten carbide material, every tip is securely brazed into the drill to prevent breakouts. The upshot is SDS+ drill bits that offer professionals peace of mind to get the job done – regardless of whether they're drilling brickwork, quarystone, masonry or reinforced concrete. PUNK is for the professional with high expectations. There are no gimmicks, it's just great at what it does. For more information, please visit the company's website.

www.punkpower.co.uk

Enq. 208

The Point Master Tool
Fast & accurate mortar replacement

Paving slabs
7 joints in 25 seconds
(See the video on our website)

Brick Pointing
up to 10m² / hour

Simple to use
Robust design
For regular mortars

Call us on:
0845 1160284

£19.95
+p&p*

*Dispatched Same Day (Std p&p is £3.95)
Point Master (UK) Ltd, Oliver House, Station Road,
Great Chesterford, Suffolk/Walden, Essex CB10 1NL

Watch our extensive demo video @
www.pointmaster.co.uk

Pro Pack
£35
incl p&p

Enq. 209

for your life
for a lifetime

Swimspa

You want to enjoy the health benefits of a swimming pool. But you can't really justify the time and trouble that maintaining a full size pool demands.

The Swimspa by Spa De La Mare is an all year round swimming machine and hydrotherapy massage spa in one, for indoor or outdoor use. Built to exacting standards in the Channel Islands, it is the ultimate low maintenance solution for busy people. Prices start from a refreshing £17,500.

For a brochure please call
01481 701333
www.spadelamare.com

swimspa

Enq. 210

Rainwater harvesting takes on new importance

As dry spells and hosepipe bans become more common in the UK it is more important than ever before for self-builders to consider the benefits of rainwater harvesting. Martin Wadsworth of Aquatic Ltd explains both the short- and long-term advantages of rainwater harvesting for savings to homeowners and the environment



THIS RAINWATER HARVESTING SYSTEM USES RAINWATER COLLECTORS PLACED ACROSS THE WIDTH OF THE ROOF AND INTEGRATED WITH THE TILES. EACH COLLECTOR FEATURES A SELF-CLEANING FILTER THAT FILTERS THE RAINWATER BEFORE IT IS DIRECTED TO THE STORAGE TANK IN THE LOFT SPACE



The UK consistently faces annual water shortages due to increased demand on supplies and changes in our climate. Sporadic long dry spells throughout the year cause many water companies to enforce hosepipe bans, meaning customers are left without full access to the service they pay for. Rainwater harvesting is an excellent way to ensure the continuation of your water supply, save on water bills and help safeguard the environment in one simple installation, allowing your self built dream home to be enjoyed fully.

In 2012 nearly 20 million people were affected by a hosepipe ban despite experiencing one of the wettest springs on record. Global warming has led to rainfall becoming more unpredictable and heavier in volume meaning the increase in amount and speed with which it is falling reduces the ability to collect and store it on a large scale. Combined with a population increase, water companies are struggling more than ever to keep up with demand.

Appliances such as slow running taps and low-flush WC's save on mains water usage, however these ideas do not take on board that 50 per cent of household water usage is for non-potable applications; 30 per cent of all water usage for instance is for toilets, and therefore treated mains water is not necessary.

New regulations having an impact

A number of legalities have been enforced in a bid to reduce water usage, the Flood and Water Management Bill put in place in April 2010, being one, which gives water companies the right to impose stricter rules during water shortages. New building regulations also force the private sector to take water consumption into consideration with the introduction of Building Reg Part G, 17K, also implemented in April 2010 that requires the potential whole-house water consumption by occupants of new

dwellings to not exceed 125 litres per person per day. The Code for Sustainable Homes aims to reduce the daily water usage from 150 litres to 80 litres per person and in turn decrease the amount of energy used to treat and transport mains water.

[A rainwater system doesn't require any direct planning permission, in fact its inclusion in plans can prove significantly beneficial in getting the planning application approved]

What size and where

Housebuilders need to take into consideration a number of things when deciding upon the size of tank to be installed. Average local rainfall combined with the amount of available roof space and type need to be considered while volume of non-potable water used by the household is also an important factor. Although rainwater-harvesting systems can be a great retrofit choice, installations are easiest in new builds or extensions as it causes less disruption. Another positive for the self-builder is that a rainwater system doesn't require any direct planning permission, in fact its inclusion in plans can prove significantly beneficial in getting the planning application approved as it saves on mains consumption and can contribute to alleviating flood threats.

Continued overleaf...

The larger tanks... provide more security when it comes to water supplies in long dry spells



SOME RAINWATER HARVESTING SYSTEMS USE STORAGE TANKS PLACED IN THE EMPTY ROOF SPACES OF HOUSES TO ALLEVIATE PROBLEMS IN MAKING SPACE FOR AN ABOVE GROUND OR UNDER GROUND TANK

Storing the saved water

For some time people have been installing the typical 200-litre water butt in their gardens in a bid to collect rainwater for outdoor use. As quickly as these butts can fill up and overflow in heavy storms they can be emptied by filling just 20 watering cans therefore larger collection tanks are required to make the process of rainwater collection more effective. The larger tanks range in size from 2,000 litres to 7,000 litres, and obviously provide more security when it comes to water supplies in long dry spells. Larger tanks also allow the high volume of rainfall on the roof of a house to be collected and with the average family homes roof experiencing 10,000 litres of rainfall in a short, heavy storm the potential collection is huge.

Traditionally there have been two options for storage tanks, above ground tanks or underground tanks. Above ground tanks provide a cheaper alternative because they have an easier installation due to not needing holes to be dug. The underground tanks have long term advantages in that they take up less space so causing little disruption and they keep the rainwater cool and fresher. These tanks can then be connected to either direct or indirect supply systems that involve electric pumps initiating the flow of water to the water pipes within the house. A direct feed system involves a pressure sensitive pump in the storage tank that maintains pressure on the rainwater pipes typically to



RAINWATER HARVESTING SYSTEMS CAN BE DISCRETE ALLOWING THE AESTHETICS OF YOUR HOME TO NOT BE COMPROMISED

toilets, washing machines and outdoor use causing the pump to activate whenever water is drawn. The indirect gravity feed system involves the combination of the main storage tank supplying a header tank in the roof space that then uses gravity to feed water into the pipes. However, finding space can be problematic and there are new systems that combat this by using rain catchers placed upon the roof to directly feed into storage tanks fitted in the unused roof space that allow for large volumes of water to be held. The water is gravity fed into the house so electric pumps are eliminated.

Enq. 211



When it comes to choosing Aluminium Gutters & Pipes, it's as simple as **ARP**

There is a large range of gutter profiles including, half round, beaded, beaded deep flow, ogee and box.

Our complimentary range of pipes are available in diameter, square and rectangular profiles with flush joint, swaged or cast collars.

ARP also offer the Mustang Seamless gutter system offering up to 30 metres in one length giving a smooth uninterrupted appearance. The only BBA approved system.

Visit our website for the complete range, or ask for one of our Technical Product Guides www.arp-ltd.com

For more information about our specification service, call today on **0116 289 4400** or email us at **sales@arp-ltd.com**

Enq. 212



Bringing rainwater harvesting into the 21st century!

Super low energy, 6-8 times less electricity than a standard system.

Water in every eventuality.

Easy installation.



01733 405 111
www.rainwaterharvesting.co.uk

Enq. 213

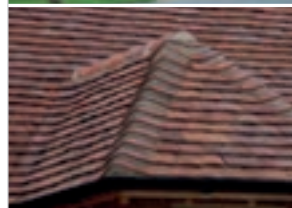


TRADITIONAL
 • CLAY ROOF TILES LTD •



Traditional
 Handmade Clay Roof Tiles

Our tiles are appreciated for classic elegance and the unique beauty of hand-made products created with the greatest attention to detail.



Traditional Clay Roof Tiles Ltd

1 Cottesbrooke Park Heartlands Business Park, Daventry, NN11 8YL
 M: 07584 624744 T: 08008 886633
 E: info@traditionalclayrooftiles.co.uk

www.traditionalclayrooftiles.co.uk

Enq. 214



Stunning
 light & open
 timber staircases

View case studies at
www.completestairsystems.co.uk
 or visit our showroom in Romsey, Hants
01794 522444

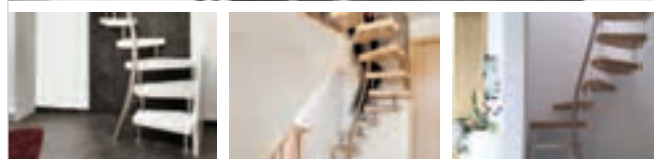
COMPLETE
STAIR
SYSTEMS

Enq. 215

fivestars



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. 216



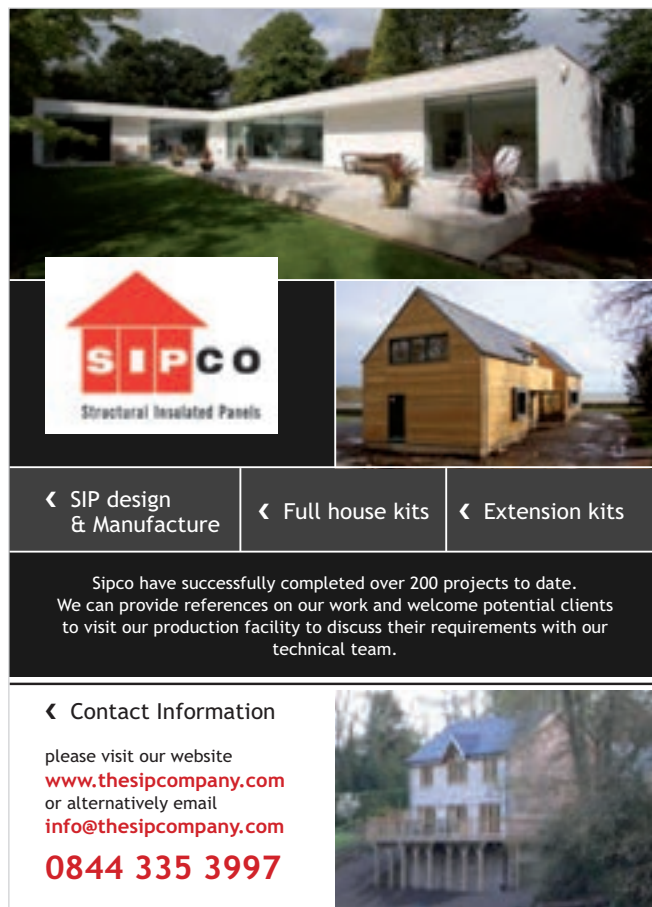
LEADON
TIMBERFRAME

Manufacturers of Quality Timber Frame Buildings
Wood Web Joists • SIP Panels
Open & Closed Panel Construction

Can you Afford not to use Leadon TimberFrame

Sol: 028 8675 1521
www.leadontimberframe.com
email: info@leadontimberframe.com
19 Dunmore Road, Cookstown BT18 3N3

Enq. 217



SIPCO
Structural Insulated Panels

◀ SIP design & Manufacture ◀ Full house kits ◀ Extension kits

Sipco have successfully completed over 200 projects to date. We can provide references on our work and welcome potential clients to visit our production facility to discuss their requirements with our technical team.

◀ Contact Information

please visit our website
www.thesipcompany.com
or alternatively email
info@thesipcompany.com
0844 335 3997

Enq. 218



The **future** of building design & technology



SIPS@Clays have been building low energy (**virtually NO heat required**) SIPs houses for over 10 years.

a Kingspan
TEK
Delivery
Partner

See our website for further information:
www.claysllp.co.uk or call 01756 799498

SIPS
@CLAYS
21st century homes

Enq. 219



Pushing the energy efficient envelope

Chris Duckworth, commercial director of SipBuild UK, explores how the drive for sustainable construction is taking the industry huge strides closer to a more energy efficient building envelope

According to the Carbon Trust, 75 per cent of a building's heat is lost through its fabric leading to significant monetary losses for householders and an alarming environmental cost. As a result, the industry is continually searching for modern methods of residential construction to offer greater energy credentials.

At the end of the first half of 2014, energy giant British Gas announced a 24 per cent fall in its operating profit for residential supply. The drop wasn't due to a reduction in prices, but instead a result of the mild weather. Despite such a significant fall, British Gas still made a very healthy £265 million in profit, which demonstrates that even in frugal times energy provision to the residential market is big business.

While the argument will continue to rumble on as to whether the utility companies could do more to make energy more affordable – especially to the estimated six million people in the UK who are in fuel poverty – the reality is that each year the average household loses £250 worth of energy through the building's fabric.

Over the lifetime of a building that's an eye watering sum of money householders are putting down the drain – or out of the walls and loft, as this is where 50 per cent of energy is lost.

Because of this growing concern, considerable pressure has been placed upon the industry to make modern construction higher in energy performance and rightly so. For years traditional

The reality is that each year the average household loses £250 worth of energy through the building's fabric



Continued overleaf...

With a SIPs structure approximately 96 per cent of the walls are insulated and almost all (99 per cent) of the roof



TIMBER FRAME THERMAL IMAGE (ABOVE)
AND SIPs THERMAL IMAGE (BELOW)



bricks and mortar buildings have been the darling of the industry – and the self-builder – but let's face it, this method's energy credentials aren't great and need to be supported by bolt on or renewable energy performance products. Therefore, the most logical approach would surely be to use a fabric first method, which from the very start prevents energy leakage.

It's only in the last 10 years that structural insulated panels (SIPs) have really been given the credit they deserve in terms of energy efficiency. Now they are one of the fastest growing methods of construction in the UK and beyond.

The best way to describe how SIPs work on a very basic level is to think of a jigsaw. Each piece has been designed specifically to join the next to form a strong structure. The same principle applies to SIPs, but instead of a pretty picture the homeowner can achieve a property that is both aesthetically pleasing and energy efficient.

It's not just how SIPs are joined together that offers this energy-tight seal, it's also the way in which they are manufactured. Within each panel is a dense mass of urethane insulation which is so tightly packed that it prevents air from passing through it. This method of insulation differs greatly from the standard quilt style insulation that usually fills wall cavities. Firstly, it's integral to the structure of the building and isn't a costly bolt-on the homeowner has to invest in. Secondly, it's not prone to sagging or deterioration, which can expose voids where energy can seep through like standard cavity insulation.

With a SIPs structure approximately 96 per

cent of the walls are insulated and almost all (99 per cent) of the roof. Compare this with a traditional timber frame where as little as 88 per cent of the walls have continuous insulation and you can quickly realise the benefits – so much so that SIPs have been used for specialist projects in the Arctic Circle where heat retention is vital.

While little heating is required in SIP constructed homes, a growth area is in the installation of Mechanical Recovery Heat Ventilation systems. As the name suggests these systems recover heat from any wasted warm air found in rooms such as a bathroom and kitchen and recycle it to be used in other areas of the home. What's more the energy harvested also powers the system itself.

While many people can appreciate the energy performance offered through SIP construction there is always the issue of the home's aesthetics. Most people do prefer the look of a bricks and mortar building and they don't have to compromise on this when using SIPs. A SIP building can be clad with any type of material including render, brick slip, timber, stone or wall tile.

When people consider designing and building a sustainable home they usually discuss energy saving products such as solar panels or wind energy harvesting. Very few look at the fabric of its construction – the area where they could make the biggest impact to both the environment and their pocket. However, growth in the SIPs market looks to be challenging this perception, encouraging more people to take a fabric-first approach.

Enq. 220



Xella



SILKA calcium silicate 'big blocks' of up to 1,000 mm x 645 mm are used for load bearing, non-load bearing and inner leaf cavity walls. Two men can lay 60m² / day from the building interior, saving time and cost of scaffolding. A single leaf 150mm wall provides an acoustic value of 50-55dB compared to 44dB for an unfinished 140mm aircrete block. Blocks provide a 120 minute fire rating compared to SIPS at 30-60 and sufficient thermal mass to absorb heat and release it

slowly, helping maintain a healthy living environment. For more information, please visit the company's website.

Tel: 0843 290 9080 www.xella.co.uk

Enq. 221

Delta Membrane Systems



Some problems are inconvenient, while others can be deadly. Delta Membrane Systems' MS20, MS500 and Gas Barrier System overcome the inconvenience of damp, but they also counter the potentially deadly effects of gas. Independent examination carried out by VINCI Technology Centre UK has confirmed that these three products, plus seals from the Delta Membrane Systems range, have passed stringent tests to ensure their complete sealing capabilities against

a variety of gases, namely radon, CO₂, and methane. In the latest tests, all of them have been proven to be an effective barrier against gases, even with overlaps, bringing peace of mind to those who specify the products.

Enq. 222

selfbuilder & homemaker LAUNCH ALL NEW WEBSITE FOR 2014



REGISTER ONLINE FOR...

In-print magazine • Digital magazine
Newsletter • Daily digests

www.sbhonline.co.uk

Design and Planning

Watertight Frame Erection

2nd Fix Items Supplied

And a Whole Lot More...

Solo Timber Frame

**Timber Frame
Design & Build**

Solo Timber Frame 01892 771354
info@solotimberframe.co.uk
www.solotimberframe.co.uk

Enq. 223

OAK MANTEL BEAMS
The Original Railway Sleeper Furniture

Beautiful oak fireplace beams, mantel shelves & corbels
Handcrafted to your requirements. Choose the wood, character & finish
From £20.50 per foot. Delivery nationwide
www.jarabosky.co.uk sales@jarabosky.co.uk tel: 01422 311922

Handmade furniture using stunning redundant railway sleepers from around the world

Enq. 224

EVEN MORE WAYS TO GET THE LATEST INFORMATION FOR SELFBUILDERS! EVEN MORE WAYS TO GET THE LATEST INFORMATION FOR SELFBUILDERS!



The digital issue of *Selfbuilder & Homemaker* 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 *Selfbuilder & Homemaker* gives direct links to advertisers, allowing you to visit a potential supplier's website with the simple click of a mouse. Subscribe at www.sbhonline.co.uk



BATHROOMS, SHOWERS & WASHROOMS

Enq. 501

Enq. 502

Enq. 504

Enq. 505

Enq. 506

Eng. 510

Enq. 507

01435 863500

Enq. 508

Enq. 509

Web Directory

ADVICE & INFORMATION

NSBRC (National Self Build & Renovation Centre)
0845 2234455
www.nsbrc.co.uk

ARCHITECTURAL IRONMONGERY

Ironmongery Direct
0808 1682288
www.ironmongerydirect.com

BATHROOMS & SHOWERS

Victoriaplumb.com
0844 8044848
www.victoriaplumb.com

Better Bathrooms
0844 4847678
www.betterbathrooms.com

Matki
01454 322888
www.matki.co.uk

BI FOLDING & SLIDING DOORS

Folding Sliding Door Company
0845 6446630
www.foldingslidingdoors.com

Sunfold Systems
01953 423423
www.sunfold.com

Express Bi-Folding Doors
0800 121 4809
www.expressbifoldingdoors.co.uk

1st Folding Sliding Doors
02089 972448
www.1stslidingfoldingdoors.co.uk

DOORS, WINDOWS & CONSERVATORIES

Made for Trade
0844 335 1226
www.madefortrade.co

Kloeber UK
01487 740044
www.kloeber.co.uk

Velfac
01223 897100
www.velfac.co.uk

Swish Window and Door Systems
0808 178 3040
www.swishwindows.co.uk

Apropos
0800 328 0033
www.apropos-conservatories.com

Jeld-Wen
0845 1222890
www.jeld-wen.co.uk

Internorm Windows UK
02082 059991
www.internorm.co.uk

FASCIAS & SOFFITS

FasciaExpert.co.uk
01254 918005
www.fasciaexpert.co.uk

FIRES & FIREPLACES

Opies
01245 468977
www.john-opie.co.uk

FLOORS & FLOORING

Floors Of Stone
01509 234000
www.floorsofstone.com

FURNITURE

Vitra
01235 750990
www.vitra.com

Herman Miller
0845 2267202
www.hermanmiller.co.uk

GLASS & GLAZING

Saint-Gobain Glass UK
01977 666100
uk.saint-gobain-glass.com

Sunparadise UK Ltd
02085 389585
www.sunparadise.co.uk

HEATING & PLUMBING

21st Century Radiator Company
01767 627500
www.21stcenturyradiators.com

Uponor
01455 550355
www.uponor.co.uk

HEAT PUMPS

Spirit Heat Pumps
0845 4753953
www.spiritsolar.co.uk

ICE Energy
08081 452340
www.iceenergy.co.uk

INSULATION

Superfoil Insulation
01636 639 900
www.superfoil.co.uk

Insulation Giant
0844 8922254
www.insulationgiant.co.uk

KITCHENS

Kit Stone
0870 7770099
www.kitstone.co.uk

Poggenpohl UK
01727 738111
www.poggenpohl.com

Metris Kitchens
01325 505563
www.metriskitchens.co.uk

LAUNDRY CHUTE SOLUTIONS

GED Chute Solutions
01613 001374
www.laundrychutes.co.uk

LIGHTING & HOME CONTROL SYSTEMS

Vitrum UK
07966 236969
www.vitrumuk.co.uk

LOFT CONVERSION

Econoloft
0800 269765
www.econoloft.co.uk

PACKAGE BUILD

Baufritz (UK)
01223 235632
www.baufritz.co.uk

Kingspan Potton
01767 676400
www.potton.co.uk

Scandia-Hus
01342 838060
www.scandia-hus.co.uk

Davinci Haus GmbH & Co. KG
02081 3339204
www.davinci-haus.com

Hanse Haus
0845 6589780
www.hanse-haus.co.uk

Flight Homes
01787 222336
www.flighthomes.co.uk

PLANT, TOOLS & EQUIPMENT

Brandon Hire
0870 5143391
www.brandontoolhire.co.uk

Machine Mart
0844 8801250
www.machinemart.co.uk

PUMPING STATIONS

J T Pumps
0844 414 5800
www.jtpumps.co.uk

ROOFING & CLADDING

Tata Steel (Corus)
01904 454600
www.tatasteeleurope.com

Greys Artstone
01484 666400
www.greysartstone.co.uk

Hoppings Softwood Products (Q-Clad)
01992 578877
www.timber-cladding.co.uk

ROOFLIGHTS

Vision Rooflights
01162 791900
www.visionrooflights.co.uk

SOFTWARE

Eleco
02074 228000
www.eleco.com

House Builder XL
0845 1234065
www.hbxi.co.uk

STAIRS & STAIRCASES

Meer End Staircases & Joinery
01676 534226
www.meer-end.co.uk

STONEWORK & MASONRY

Mandarin Stone
01600 715444
www.mandarinstone.com

STRUCTURAL INSULATED PANELS (SIPS)

SIPS Eco panels
01787 378567
www.sipsecopanel.co.uk

TEMPORARY ACCOMMODATION

Caravan Hire UK
01970 626920
www.goldensandscaravans.co.uk

TIMBER & JOINERY

Oakwrights
01432 353353
www.oakwrights.co.uk

Carpenter Oak & Woodland
01225 743089
www.carpenteroakandwoodland.com

Silva Timber Products
01514 953111
www.silvatimber.co.uk

Osmo UK
01296 481220
www.osmouk.com

Neatwood Homes
01981 240860
www.neatwoodhomes.co.uk

Carpenter Oak
01803 732900
www.carpenteroak.com

Maple Timber Frame
01995 679444
www.mapletimberframe.com

Taylor Lane
01432 271912
www.taylor-lane.co.uk

UNDERFLOOR HEATING

Nu-Heat
0800 7311976
www.nuheat.com

Schluter Systems
01530 813396
www.schluter.co.uk

Wunda Group
0800 0832677
www.wundafloorheating.co.uk



Ultimately...
the choice is yours!



Ultimate Screwless

Wiring accessories

Tired of the same old plain white light switch...? Customise the design of your light switch with our screwless range which includes transparent and textured finishes to give that extra feel to your room.

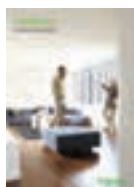
Ideal for retrofit, our wiring devices offer a full solution combining superior engineering with sleek, sophisticated style.

In tune with...

YOUR STYLE | YOUR HOME | YOUR BUSINESS



Transparent



**Learn how to add the finishing touch
to your home!**

Download our free customer guide to home improvement!
Visit www.SEreply.com keycode 48093p

Reader
Enquiry
402

Schneider
 **Electric**