

selfbuilder & homemaker

October/November 2010

FEATURES IN THIS ISSUE:

Doors, Windows & Conservatories

Modern Methods of Construction

Roofing & Cladding

Smart Homes & Lighting

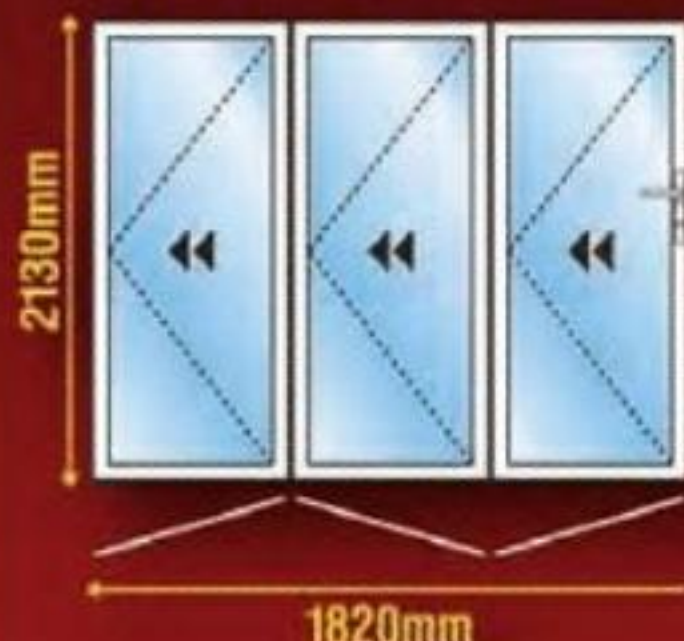
Homebuilding & Renovating Show Preview – Somerset

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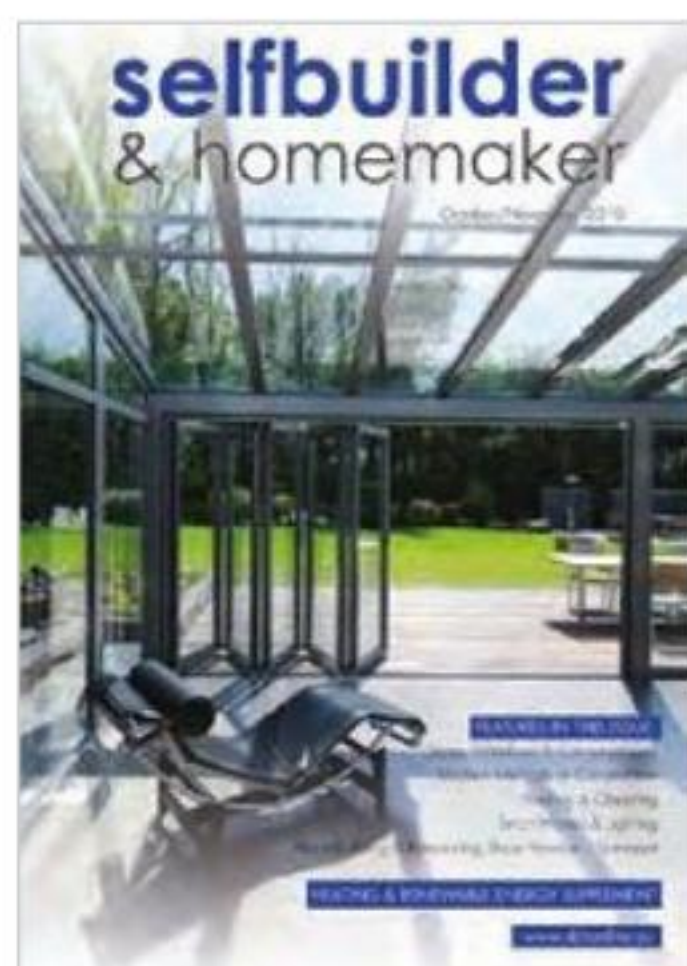
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Solarlux wintergarden with folding glass doors creates a light filled room that can be used all year round. See page 14 for more information.

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British Ceramic Tile

Enq. 101



Get the Regency feel from British Ceramic Tile

Following the success of the recently launched Brighton range of wall tiles from British Ceramic Tile, a selection of new border & feature tiles have also now been released in the same striking colour palette. The new Brighton Regency border & feature tiles have an intricate wrought iron design with colourful accents and platinum highlights, which can be combined with the Brighton wall tile range to provide a wide selection of possibilities. Brighton Regency provides a unique decorative solution in ceramic design, offering a style which satisfies the current demand for feature walls and a stronger colour palette. Black and white is a classical combination giving a smart, stylish look, especially when combined with chrome accessories, while the bright colours offer a lively choice for a younger or more adventurous audience. The design works equally well in a vertical or horizontal format, and the décor tile can be used as a spotter, a border or a panel.

Tel: 0845 5048925 www.britishceramictile.com

JIS Europe

Enq. 102



Stylish Ashdown towel rails

JIS Europe of Haywards Heath have a new range of heated towel rails named Ashdown, the towel rails are manufactured in an elegant round section shape displaying an appearance of refined luxury. The rails are manufactured in four sizes all 1250mm high and with widths of 300, 400, 520 and 620mm. They can be used in central heating, electric or dual fuel formats. The

Ashdown towel rails are manufactured in 100% stainless steel pressure tested to 12 Bar and are available in brushed satin or polished finish making these radiators durable and hygienic and they come with a 25year guarantee.

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Everbuild Building Products

Enq. 103



Sink your teeth into this!

Everbuild Building Products have launched a brand new PU adhesive: Gator Glue. This all purpose, high strength adhesive will stick to most common substrates, whether internal or external, and has a vast multitude of uses. Gator Glue is the adhesive with real bite, once applied it penetrates and expands slightly, really "sinking its teeth" into both substrates to form an indestructible bond.

Gator Glue really is set to become the essential glue for trade, woodworking, household or hobby, DIY use. This totally waterproof glue can be used to bond wood, stone, metal, ceramics and much more.

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ACO Building Drainage has launched a new range of bathroom gully system – Easyflow.

ACO Easyflow floor gullies provide the ideal drainage solutions to complement modern bathroom design. A wide selection of square or circular designer gratings and optional grating locks are available for all square gratings. Gully tops can be easily cut to length to fit the finished floor height. The gully body is supplied complete with removable foul air trap, available in vertical or horizontal outlet with flow rate up to 2l/s.

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Enq. 106

light

space

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Enq. 108



These large glazed panels create a lighter and more airy space totally transforming a room.

Blurring the boundaries

Synonymous with innovative structures in aluminium and glass Clearspan, by Apropos Tectonic Ltd., advises on the installation of folding sliding doors.



Folding sliding doors are the perfect way to blur the boundaries between the house and the garden. Made up of a run of glazed panels which can fold one way or the other, folding sliding doors can maximise the light entering the room.

Folding sliding doors installed with a flushed tracking and tiled straight through, from the room to the garden, can create a seamless transition between your garden and house. The tiling can create the illusion of a larger room so that when the doors are open fully it makes the room feel and look larger.

Choosing Your Doors

Folding sliding doors can be installed on any new or existing part of the home.

In order to maximise the light make the opening for your folding sliding doors as large as possible. They can fulfil a corner configuration and stretch around two or even three walls depending on the structure. A corner configuration depends on the design and style of your roof.

If you align the aperture with entrances into other rooms, or with any roof lights, this allows light to flow through into other rooms and makes it brighter and more aesthetically pleasing.

Purchase your folding sliding doors as tall as available; some companies provide doors up to three metres high. The benefit of having floor to ceiling doors is that they can be fully opened out

and let the light in.

Consider which door combinations best suit your purpose. Folding sliding doors can fold inwards if the space outside is restricted or can fold outwards which allows for more space inside. Outwards folding doors are the most popular as all the doors stack to the outside so they are not taking up any extra space inside the room. The doors can also be adjusted so they can stack to the left or right depending on space available and the layout of the structure.

Decide how many doors you would like in your space. Just because your space is a certain size you may still have options as to how many doors you can fit in that space. Average folding sliding doors can be 0.5m wide and go up to 1.1m wide with a maximum of 12 doors in any one run.

Materials & Finishes

Folding sliding doors come in a range of different materials and colours:

- Aluminium doors come with a choice of colour powder coating with a whole host of colours to suit all projects and properties.
- Timber frames are built in layers in order to prevent them from warping. Some companies also offer different paint finishes and colour options once they have been installed.
- Composite frames (combination of aluminium and timber) are ideal for harsh environments where the wood can become weather beaten. They can allow you to create a different look and feel to your property both inside and out. Some manufacturers also offer the option of blinds which are built into the glass as well as

The folding sliding door system creates a seamless conduit between the house and garden.



Blurring the boundaries between the outdoors and the indoors.

different configurations.

The glazing for the doors can range from double and triple glazing to priva-lite glass. Priva-lite glass enables you to have the option of a clear glass and a frosted glass in one. With a flick of a switch your doors can go from a clear glass to a frosted glass allowing you privacy from your neighbours when you need it. Other glazing options include tinted and self cleaning.

Installation

Folding sliding doors can be installed by a manufacturer of the doors, a builder or some manufacturers provide guidance and instructions on how to install the doors yourself.

Manufacturers of folding sliding doors will be able to advise you on the best option for your space and how many can go in the aperture, so that the structure is safe.

Hints & Tips

- Combining folding sliding doors with a roof light can give your room an orangery effect and increase the amount of light let in.
- Shop around to find the best choice for you. Some doors come with installation and delivery, some are doors only and some you have to pay for installation and delivery. Other optional extras include door catches to lock them open so they don't fold back in on themselves as well as additional sliding handles and finger safe gaskets to stop you getting your fingers trapped in them.
- Each set of doors, no matter how large or small, has to have a lead door. The lead door is the main door which can be used to get in or out of the property without opening the whole set. Carefully consider the best location to position your lead door.
- To ensure smooth running of your doors ensure you clean the tracking out so they can open and close without getting stuck.

Folding sliding doors are a cost effective way to add light into your home and can make your home look larger and brighter.

Enq. 109

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Enq. 110



Bespoke Fireplace Designs

At Bespoke Fireplace Designs we like to think of a fireplace as not just a heating appliance but a piece of furniture to coordinate with the theme of your room in the same way as the rest of your furniture and décor. We are the sole importers of the Kal-Fire "Heat Pure" range of designer wood burning appliances. With its minimalistic glass lift door and a frame of only 10mm, the Heat Pure range offers a wide view of this cosy wood burning fire. This streamlined and discrete design is combined with the most up-to-date technology. When burning with the door closed, the Heat Pure appliance draws its combustion air directly from the outside, therefore no nasty draughts into your room from air vents.

Enq. 111



Ironmongery Direct

The new Ironmongery Direct catalogue is now available. With over 700 comprehensive pages full of products, kept in stock, ready for delivery the next day as standard – Ironmongery Direct ensures that trade customers are Fit for Tomorrow.

With over 800 brand new products available from the UK's biggest multi-channel specialist ironmongery supplier, Ironmongery Direct's new trade catalogue caters for all ironmongery requirements, whatever the scale of the project.

By popular demand the catalogue has extended several sections such as Door Furniture, Sealants & Adhesives and Screws & Fixings to include brands such as Zoo Hardware through to Timbamate.

Enq. 113

JB Kind

With a name it lives up to, JB Kind's new four door Churchillian range offers stylish designs combined with competitive prices.

Offering a variety of features usually only found in more expensive alternatives, the range is also FSC chain of custody certified.

The Chartwell, Blenheim, Clementine and Spencer are all Oak Flush with genuine walnut or wenge inlays. FD30 fire doors are also available.

For further details request a copy of the 'Doors in Vogue' 2010 brochure

Enq. 112



Marley Eternit

A major residential scheme in Eastbourne has demonstrated the amazing design capability of Marley Eternit's range of fibre cement products. Regency Park, a brownfield regeneration project, has used a combination of Textura cladding, Cedral Weatherboard and Bluclad building boards to create a complete facade solution. The apartments used a combination of grey Textura decorative rain-screen cladding, along with light and dark oak woodstained Cedral Weatherboard, on feature walls. These elements were then accentuated by the use of light-coloured render, which used Bluclad building boards as the substrate. Paul Hawkins, Project Manager at Taylor Wimpey, said: "We were impressed that Marley Eternit's range of fibre cement products offered a solution for all the different facade requirements on this project."

Enq. 114

English Heritage Buildings

English Heritage Buildings uses only the finest quality, green, unseasoned oak to create high quality barns, gazebos, garages, swimming pools and even whole houses. The strength of the material allows for the construction of light-filled, open living spaces without the need for internal, load bearing walls, and it is also a 'green choice'. All of the timber comes from managed woodlands, where two or more trees are planted for every one felled and quality is assured at every stage of the building process. From humble beginnings, English Heritage Buildings is now the first and only producer of oak frame building systems to achieve BM TRADA Q-Mark certification.

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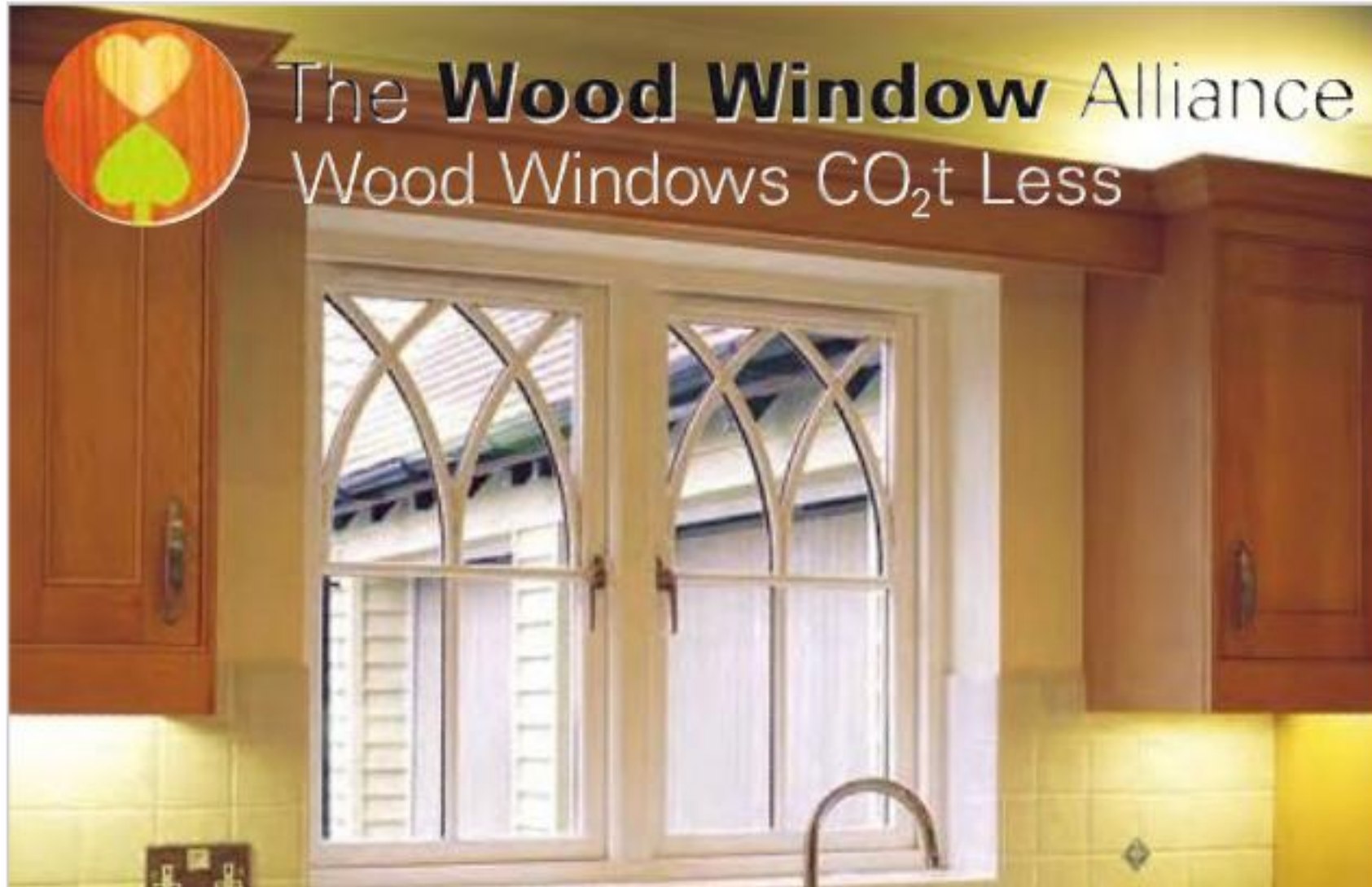
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Wood Window Alliance Enq. 119

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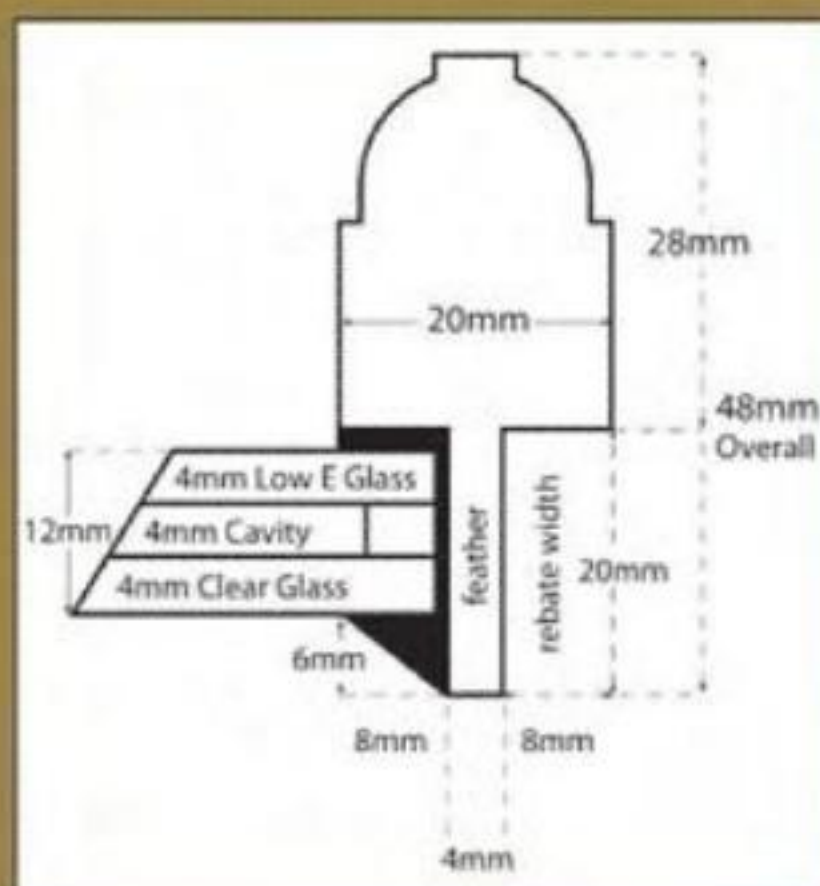


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Enq. 123

Garador

Enq. 124



Garador helps save space

Recognising that a lot of people use their garages for other purposes than parking their cars, Garador has looked to improve access as well as providing space saving solutions. Side hinged doors are once again gaining in popularity as homeowners recognize the space saving convenience they provide. Without springs, cables or other operating mechanisms these doors also require little maintenance. Side hinged doors can also often complement the style of more traditional houses, and Garadors range now includes four timber designs; Vertical Cedar, Horizontal Cedar, Kingsbury and Seymour.

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Enq. 125



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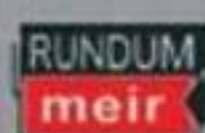
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Enq. 130

Versatile folding glass doors



Folding glass doors create large openings that provide the wow factor in your home. They are both practical and versatile allowing light to flood into a room and creating a seamless transition between inside and out. Solarlux Systems Ltd has been manufacturing sliding glass doors for over 25 years. They have an extensive product range of over 15 different systems; all have been tested to withstand the elements, both wind and rain with multi point locking systems for added security. Solarlux also manufacture wintergardens, glass houses, canopies and balcony glazing solutions.

Tel: 01707 339970
www.solarlux.co.uk

Carlisle Brass

Enq. 131

Brass and glass



A new glass mortice knob has been added to the popular Carlisle Brass range. The 'GK' range is available with either a polished brass or polished chrome 65mm rose with a beautifully crafted 60mm glass knob. This new addition uses mirror backed glass for brighter reflection to make it really stand out and 'sparkle'. The new glass mortice knob enhances the company's range of exquisitely hand-finished, well-designed concealed and face-fixed mortice knob furniture. The knobs are available in a range of different styles and finishes such as wood, porcelain and solid brass all designed to compliment modern interior designs. Carlisle Brass claim that the wide range over 30 different variants will provide the user with a diverse and comprehensive choice.

klöeber

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- Entrance Doors
- French Doors
- Sliding Doors
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Enq. 133

Installed with pride Installed by Swish

Finding the right window and door installer can be a daunting prospect. Your heart says use a local firm but your head craves the peace of mind of a national brand. By choosing a Swish Authorised Installer you get the best of both worlds, a local firm with knowledge and experience of your area with the backing of a national brand.



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Enq. 135

Balcony Systems

Enq. 136



Balcony's balustrade is the perfect finishing touch

A recently completed self build project installed 25 metres of balustrade from Balcony Systems to add a perfect finishing touch to Mr Stuart Wilkie's five bedroom detached property in a secluded corner of Kent. The rear of the house overlooks a lake and miles of fields and open space. It was ideal for building a large terrace which leads off the lounge and central hallway at the back of the property. Balcony's stunning and stylish balustrade was specifically chosen for the new terrace. Mr Wilkie comments: "I looked for a balustrade that would complement the modern look and style of the property but also didn't obstruct the fantastic views. I went along to Grand Designs Live and there I came across Balcony Systems. I was particularly drawn to the clean, sharp finish of their products and the fact there are no ugly clamps in between each pane of glass. Their balustrade is the perfect finish to the terrace. An additional benefit is that Balcony's products are simple, quick and straightforward to install. I completed the installation myself with the help of my carpenter and it was done in no time at all."

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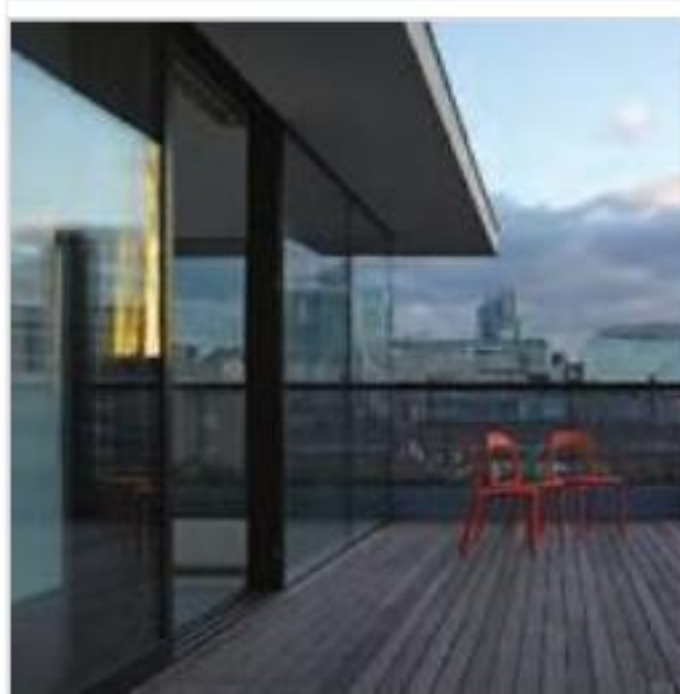
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Enq. 137

Schueco UK

Enq. 138



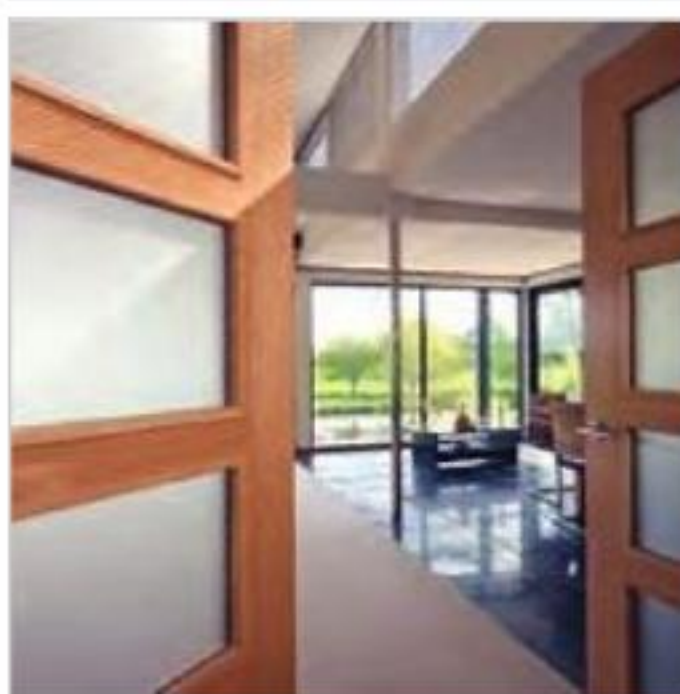
Schueco doors and windows in Stirling shortlisted building

22 Bateman's Row in Shoreditch, East London, designed by architects Theis + Khan, has already won two architectural awards and was shortlisted for the RIBA Stirling Prize 2010. It features aluminium doors and windows from Schueco UK Limited. Schueco AWS 65 windows, together with ADS 65 doors, were installed

throughout the building by specialist fabricator Ridlands Ltd. Schueco was specified because the architects had used the company's systems on a previous project and had been impressed both by their design and by the quality of their engineering. Of particular interest is the Schueco ASS 50 sliding door system that leads onto the top-floor roof terrace.

Vicaima Doors

Enq. 139



Where options come as standard

Vicaima Doors Ltd is launching a new range that increases the design options for its standard timber doors. The Custom Fit range offers customers the chance to add different elements to a standard door base to produce attractive interior doors featuring design components they have chosen themselves. As well as increasing design choice, doors from the Custom Fit range have a shorter lead-time than doors with a bespoke design and, of course, they cost less. Among the different design elements that can then be added include a choice of grooved patterns which are etched into the face of the door. Choosing a wood stain from a selection of colours and applying it to the grooves will then create a subtle or stark contrast with the rest of the door.

Roto Frank

Enq. 140



Roto uses psychology to design new handle

Roto has used a leading German institute specialising in market psychology in order to design customer appeal into its latest window handle. The hardware manufacturer commissioned a study by the Institute of Market Psychology in Mannheim, the aim of which was to discover what makes consumers choose one handle over another. The research involved the consultation of a panel of 100 private house and apartment owners. Their feedback enabled the researchers to establish which criteria they used to assess and select window handles with regard to ergonomics and aesthetics. The project also aimed to discover which characteristics contributed to customers' perception of quality. This groundwork is part of the Roto strategy of "first research, then create", a guiding principle to ensure the firm does not design a product until it is certain of its appeal to end users in the target market. The study found definite preferences in the look and feel of handles, with ergonomics being just as important as appearance. Colour coordination and security were also prime concerns. The detailed results were implemented in the creation of RotoSwing, a new family of premium handles suitable for use with Roto NT hardware on both tilt and turn windows and balcony doors. The striking design, with its arching shape and unfussy, minimalist styling, constitutes a radical departure from the look of any previous Roto handle.

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Enq. 141

Opening the door to quality

When you're searching for something different in door design, all you really need is the JBKind brochure. We've always been very particular about what goes into it, so don't be surprised at what you get out of it. Call for our brochure today and see for yourself.

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www.jbkind.com

Enq. 142



Sustainable living

Whether you're renovating, extending, improving or self building the planning stage is the most important and can be extremely time consuming. The Homebuilding & Renovating Show at the Bath & Somerset Showground, Shepton Mallett, is crammed full of advice, ideas, inspiration and innovations to help you create your perfect home.

Green Technology

Saving money by installing green technology has taken a further step forward with the Government confirming they will be introducing the Renewable Heat Incentive programme in June 2011. The scheme, similar to the Feed-in-Tariff programme which pays homeowners for the electricity they generate themselves, will give homeowners the opportunity to save money on their heating bills, get an income from generating heat and do their bit towards reducing carbon emis-

sions in the UK.

Understanding which green technology system to use can be a daunting process and homeowners in the South West of England should take advantage of the free eco seminars and advice given by experts and exhibitors at The Homebuilding & Renovating Show. If you're thinking of extending or remodelling, integrating the latest technology or building a new home from scratch, a visit to the Show is well worth it.

Along with free master classes, Ask the Experts and 120 exhibitors offering expert advice and the latest products and services, the free seminar programme includes:

Microgeneration: How to make money from renewable energy

Discover how to get paid to fit photovoltaic panels and other forms of renewable energy to your home, including wind and water turbines. Learn about the payments for heat pumps and other renewables due in 2011. This seminar reveals the real pay back for investing in green features for your home and maybe how to turn a small profit!

Extension Design Ideas: The fundamentals of successful extension and renovation

A guide to designing the extra space you need in the most cost effective and space efficient way, from remodelling and extending to loft and garage conversions, using real examples of successful extension and remodelling projects.

Project Management: how to complete your project on time and on budget

Should you use a builder or manage your building project yourself as a DIY contractor using individual tradesmen? Discover the pros and cons, potential cost savings, how to find reliable people to work for you and what is really required in terms of your time and skills for both self builders and renovators.

Sustainable Homebuilding: a beginner's guide to creating an energy efficient home

Discover how to make your home more ecological and energy-efficient with a look at sustainable design and construction principles, from ecological design concepts to green construction systems for self builders, renovators and home improvers.

**HOMEBUILDING
& RENOVATING
SHOW
SOMERSET
20-21 NOVEMBER 2010**

The South West Homebuilding & Renovating Show is on at the Bath & West Showground, Shepton Mallett, from: -

Saturday	27th November	10.00 – 17.00
Sunday	28th November	10.00 – 17.00

Tickets are £5 in advance by calling 0844 5811377 or £8 on the door (children under 16 go free).

October/November 2010

heating & renewable energy supplement



Image shows Hwam Ravel Wood
burning stove from Euroheat.

RED HOT



Model shown - Firebelly **FB2** in Shimmering Rose

Enq. 301



The new Duplexvent DV72 from Airflow is among the slimmest, lightest (14kg) and, at 94%, one of the most efficient whole house domestic heat recovery units available anywhere. The narrow profile discretely fits inside a standard 600mm wide kitchen cupboard, perfect for new build dwellings. Featuring 3 user adjustable air flow settings and two remote inputs from typically a bathroom humidity, CO₂ or motion sensor, 100% air flow can be regulated up to a maximum of 270m³/hr, allowing powerful extraction of odours and moisture from a kitchen and up to four further wet rooms. Simultaneously, fresh, warmed, filtered air is supplied into the living areas to improve the quality of the indoor atmosphere. The unit helps reduce dwelling carbon emission rates (DER).

Enq. 324



Clearview Stoves have been designing and manufacturing stoves for the last 25 years. They are solely produced in the UK and considered by many, to be the finest in the world. There are eight stoves in their range many with various style options and all available in a choice of seven colours. These highly efficient multi fuel smoke control stoves produce emissions so low they can be used for burning wood in smokeless zones. Remarkably easy to light and producing five times more heat from the same fuel as an open fire, they can burn for long periods unattended, and so efficiently that frequent cleaning is unnecessary. They are a joy to use and it's not unusual to hear from their many users, it's the best thing they ever bought for their home.

Enq. 342



The new Devilink wireless control system from Devi is the first product of its kind on the market to control your underfloor heating and other devices like lights, water heater even your kettle.

Devilink is an innovative, centrally-placed colour touch screen panel which enables all room temperatures within your home to be controlled individually or together. It ensures maximum heating comfort, saves you energy and is very simple to install and set up.

DEVI Electroheat can provide the complete Climate Heating Solutions package including underfloor heating, ventilation, heat pumps, screed and insulation. Call us to discuss your requirements.

Enq. 305



Discounted Heating Supplies in the renewable energy market. You may not have considered installing renewable energy in your home before. Or you may have thought about it, but decided it was just too expensive... or too difficult! Things have changed the Government's new renewable electricity and heat tariffs will pay back the cost of your investment. Renewables covers a very broad range of energy production technologies that are suitable for homes and businesses these can be grouped into three main categories:

- Some generate electricity
- Some produce heat, and
- Combined heat and power does both

Discounted Heating Supplies also provide the latest cost saving technologies such as Air Source Heat Pumps and AuroTHERM Solar Sets.

Enq. 326

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www.h2solarshop.co.uk

Enq. 302

ROBBENS SYSTEMS
UNDERFLOOR HEATING
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ROBBENS SYSTEMS – Underfloor Heating

The name you know and trust

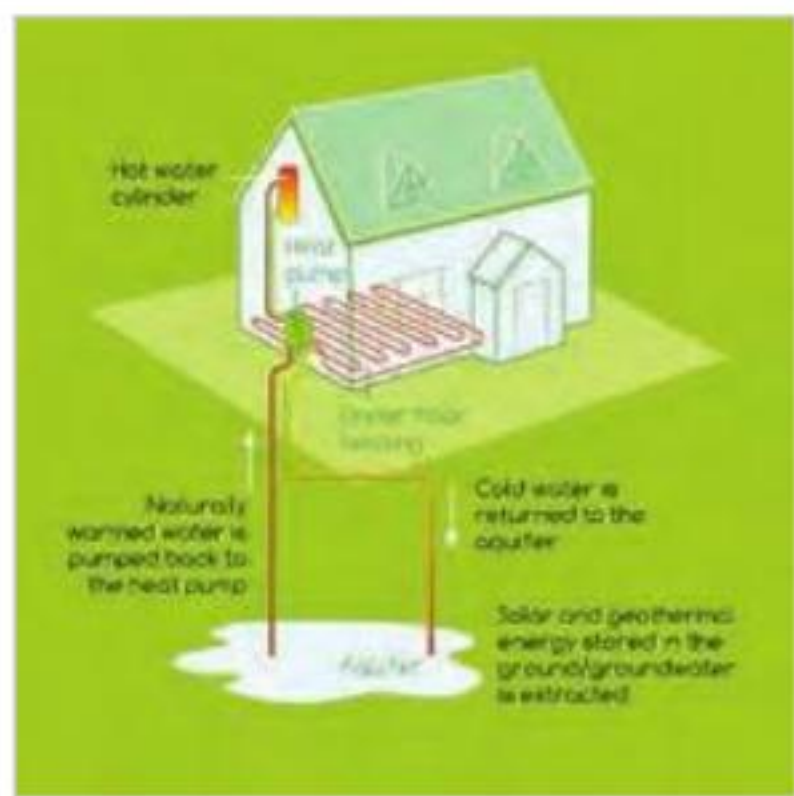
Robbens Systems have been at the forefront of the UK underfloor heating market for nearly 15 years, developing design methods and products to their current high level of function and reliability. Robbens offers systems for all floor construction methods and floor finishes – including timber.

Proven technology together with high qualified staff and top quality service make your project a resounding success.

Freephone: 0800 454569
www.underfloorheating.co.uk

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Phone 01424851111 | Fax 01424851135

Enq. 303



To harvest free geothermal heat available from depths below 15m a heatpump is employed to raise the temperature of the heat and deliver it into the building. To achieve this we abstract groundwater at 10/14°C, and we install underfloor heating which is more efficient than radiators, and which heats the building using water at temperatures of 30°C. This means 6 kilowatts of heat is delivered at the required temperature by a heatpump using 1 kilowatt of electricity. At **Earthtest Energy** we ensure the system is correctly integrated into the buildings design and construction and that interfaces with other systems are properly managed. Correctly installed a geothermal heatpump and underfloor heating system requires no maintenance and lasts the life of the building.

Enq. 325



Electrorad are the sole U.K. importers of two electric heating systems, **Aeroflow®** and **Digi-Line**. **Aeroflow®** is a German manufactured radiator with elements encased within fireclay heat plates. The fireclay provides a storage capability but also heats up very quickly and so is able to respond to thermostatic control requirements. Each radiator has an integral digital thermostat and seven day timing system with comfort and economy settings. Radio frequency controls are available as an option. **Digi-Line** is a Swedish manufactured thermal fluid filled radiator. Designed to look just like a central heating radiator and available in single panel and double panel models. The integral digital thermostat is accurate to $\pm 0.1^\circ\text{C}$.

Enq. 321



Eurostove are a specialist importer of quality distinctive wood burning stoves from the Europe. Our range includes Mendip Stoves, Westfire, Saey, and Scancore pumice chimneys. This range gives Eurostove one of the most comprehensive product ranges available in the market, offering a one stop shop for contemporary stoves and accessories. Eurostove have focused on Contemporary stoves from their inception and with Westfire, Saey, Jide and Oranier they have a range of products to suit most tastes. Westfire have been a huge success for Eurostove and in 2010 they have introduced 5 new stoves, the show stopping new UNIQ 26, 27 and 28 with huge glass area and flush finish are now available along with the new Series One and Series One Pedestal.

Enq. 322



Designed and hand-built in the U.K., the subtle styling and pleasing proportions of the **Firebelly Stoves** ensure they look at home in any interior.

The huge glass window gives the wood burning flames priority and creates a great ambience when the stove is burning. The unique and uninterrupted 'air-shield' system helps maintain the view by keeping the glass panel clean, whilst the air convection channels distribute heat evenly and efficiently into the room.

Heat reflective fire-bricks line every face of the firebox keeping the fire bed at optimum temperature and helping the range achieve their high efficiency ratings. The intuitive controls and stay cool door handle make the stove a joy to operate.

Enq. 301

At Sensible Heat we believe that HVAC should be controlled properly. By using Hometronic, manufactured by Honeywell, we can make sure each room is at the right temperature, at the time you need it – you can save energy and be more comfortable too!



Honeywell

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- > Building size or complexity of HVAC plant is no problem

Sensible Heat offers a design advice, supply and commissioning service covering the UK and Ireland. If you are using a custom installer for your home entertainment systems, we'll work with them to deliver an integrated solution.



Webmanager features include:

- > Interface to Phillips Pronto
- > Interface to wireless electricity meter
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Enq. 304

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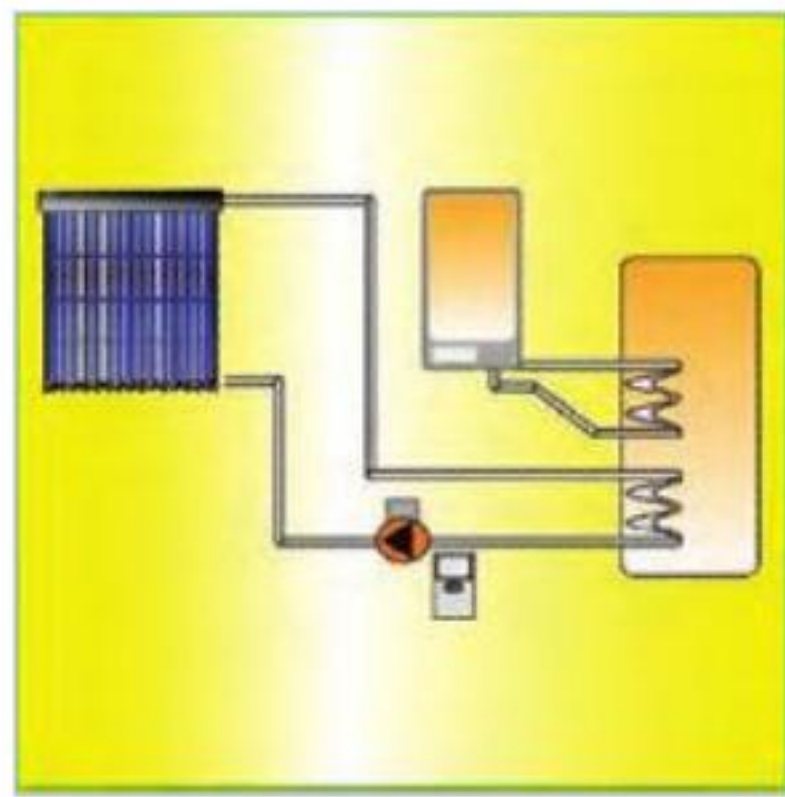
DEVI

Enq. 305



We all love the look of a roaring open fire but often they are highly inefficient, difficult to light and can smoke into the room. **Flamewave Fires** manufacture a wide range of open convector fires which are easy to light, usually overcome smoking problems and extract much more from your precious fuel. Contemporary or traditional, inset or freestanding, for wood, coal or gas burning - there's bound to be one to suit your room. We have a bespoke service if a special size is needed for a particular situation. Made in Kent with a lifetime guarantee. The classic Cleanline Inset Firebox with 4 sided brush stainless frame is a cleverly designed box-within-a-box principle, giving higher levels of performance than those of a contemporary open fires. All models are suitable for use with wood, coal or gas.

Enq. 317



H2 Solar Shop is the first stop for Solar water heating professionals. Stocking a vast array of solar equipment and spares for next day delivery. Serving both the trade and self builder. H2 Solar Shop only stock the leading brands that are recognised for their quality and affordability.

We are proud of all our manufacturers and display their labels and logos on their products. Today, with climate and environment quality deteriorating and fuel costs increasing the world calls for a new, clean and sustainable energy.

The application of an H2 Solar system not only helps in reducing your overall fuel expenditure but also gives you the opportunity to participate in activities of environmental protection.

Enq. 302



New radiators - traditional and designer - heated towel rails, hot water cylinders, boilers (Gas, Electric and Oil), under floor heating, solar heating and consider fitting Aladdin Auto Vents self bleed valves - saves the chore of radiator bleeding. All delivered right to your door at competitive on line prices. **Heatandplumb.com** is an independent company with 25,000+ products available online; in addition to heating products there is a wide range of bathrooms, showers steam rooms, saunas, cloakroom suites and taps; with a large number of leading brand names within the heating and plumbing market; plus all the associated plumbing requirements needed to complete the job by the DIY enthusiast or selected trade person. Check out our Price Match Guarantee.

Enq. 328



Hot Floors Underfloor Heating is a specialist company whose expertise focuses solely on the underfloor heating market. This in-depth knowledge allows us to offer our customers the very best products and advice at the lowest prices possible. The pipe, manifolds and underfloor heating kits we offer are manufactured to the highest possible standards by Rifeng, the world's largest manufacturer in this market sector whose position in the market has been cemented due to their unrelenting quest for quality. We have a comprehensive range of products which allows us to provide you with an electrical under floor heating system for any situation. Our helpful staff will help you choose the most suitable products, or if you know what you want you can just order online.

Enq. 338

Make a house a sustainable home

with **Ecodan**, the **low carbon** alternative to traditional gas or oil boilers.

Installing Mitsubishi Electric's award-winning air source heat pump can dramatically reduce a home's annual fuel bills and its CO2 emissions, as well as helping to comply with the Code for Sustainable Homes.

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or visit www.mitsubishielectric.co.uk/domesticheating



Enq. 306

Honeywell Home Comfort Controls

Enq. 307



Save time, effort and disruption

"These heating controls are absolutely fantastic!" That's Colchester-based heating installer Paul Wareing's opinion of energy saving Sundial RF² wireless enabled heating control packs from Honeywell. "They save over three hours work when I upgrade an old gravity heating system while replacing the boiler. Honeywell are the best controls to use for reliability and energy efficiency. The new wireless packs make upgrades and new installations even easier and quicker. "There's no wiring between the wireless room thermostat and timer. The timer just hooks on and the thermostat works straight away."

Tel: 01344 656172
www.honeywelluk.com

Grundfos Pumps

Enq. 309



We're EuP ready – are you?

From 2013 the standalone circulator market in Europe will change forever. The EU Directive on energy using products (EuPs) sets radical new requirements for energy efficiency in domestic and light commercial circulator pumps. At Grundfos we are not just ready – we're way ahead. The Grundfos Alpha2 and Magna circulators have met the new EuP requirement for many years; the

Alpha2 runs on as little as 5W. And with more than one million units produced and sold since the market introduction in 2007, the Alpha2 has proven its reliability around the globe.

Tel: 01525 775402
www.A-ratedpumps.co.uk

Stelrad Radiators

Enq. 311

Stelrad Radiators – offering a solution...
...if you're vertically challenged!

Stelrad Radiators has introduced a range of environmentally friendly, extremely efficient vertical radiators that not only look good and give you that essential added flexibility, but operate brilliantly with the new renewable heat systems such as heat pumps and solar thermal systems, due to their increased surface area, which all contributes to

keeping your rooms cosy and warm even with lower system operating temperatures. Stelrad has introduced new vertical versions of their very popular Vertex, Planar, compact with Style and Classic Column radiators.

Tel: 0870 849 8058
www.stelrad.com

Pegler Yorkshire

Enq. 313

Simple innovation with maximum impact
from Pegler Yorkshire

The future of controlling room temperature is set to change thanks to the latest technology developed by Pegler Yorkshire. Using its expertise in radiator valve control the company has created terrier i-temp, a revolutionary new product that can save up to 30% of space heating costs and can significantly contribute to the reduction of carbon emissions.

The terrier i-temp is a programmable radiator control (PRC). The terrier i-temp allows the time and temperature in each room to be fine tuned with no change to the master programmer.

Tel: 0844 243 4400
www.pegler-yorkshire.co.uk

Wilo (UK)

Enq. 308



Energy efficient heating pumps

Wilo provides a wide range of high efficiency, easy to install and maintain small domestic circulator pumps. Already at the heart of millions of combi and system boilers in the UK, specified by major boiler manufacturers as their preferred choice, Wilo pumps are continuing to become increasingly popular with installers, specifiers and selfbuilders alike. The latest Wilo-Stratos

PICO pump offers up to 90% energy saving over a standard pump. It's now recognised as the most energy efficient small circulator pump you can install.

Tel: 01283 523000
www.wilo.co.uk

Arada

Enq. 310



Heating your home with efficiency & style

Heating your home with efficiency and style, Arada has been setting new standards in excellence and craftsmanship for over 25 years. Arada is the largest manufacturer of British stoves and is a dynamic company at the cutting edge of environmental and technological change within the heating sector. We are the leading manufacturer of Arrow, Stratford and Villager stoves which

we produce at our specialist production facilities in both Dorset and Devon, England. Furthermore, Arada is the UK distributor for continental stove manufacturers, Romotop and Fondis.

Tel: 01297 35700
www.arada.uk.com

Polypipe

Enq. 312

Overlay™ – simple underfloor heating for
existing floors

For the ultimate, affordable floor heating system, more self-builders choose Polypipe than any other brand. For existing floors, multiple room installations or simply for when you want under-floor heating in one or two rooms – perhaps an extension or a conservatory - Overlay™ from Polypipe, offers the best solution. It's a patented, low profile

panel floor heating system, which can be installed into existing spaces easily and practically. There are two formats, Overlay™ for tiles or wood floors, and OverlayLite™, when carpets, vinyl or laminate are going to be laid.

Tel: 01709 770000
www.ufch.co.uk

Grundfos Pumps

Enq. 314



Grundfos on YouTube

YouTube allows millions of people to discover, watch and share originally created videos. It now provides a platform that allows people to connect, inform and inspire others and acts as a distribution platform for many original-content creators. Recognising this route as an important communication highway that can reach a very wide audience, Grundfos Pumps have been using the

YouTube channel to deliver a wide range of information including corporate details; service videos as well as more in-depth solutions focused innovative products in an interesting and informative way.

Tel: 01525 775402
www.youtube.com/grundfos



Constructed in silicon carbide, one of the hardest materials known to man, the Ecco Stove E850, from **Landyvent**, uses a complex labyrinth of flue-ways to extract much more heat out of the burning logs than an average cast iron or steel bodied stove. It is also capable of storing a significant proportion of the heat it produces and then slowly emitting it over a long period of time. This means that the stove, after only 10kgs of wood burnt, can be left radiating heat (After 7 hours the Ecco StoveE still produces 25% of its stored heat) or burned constantly to keep the stove up to temperature with one or two logs every couple of hours. The Ecco Stove gently projects its heat evenly through a house (with interconnecting doors open) without the need for water or duct connection

Enq. 333



Mitsubishi Electric is expanding its sales and support team for the Ecodan range of air source heat pumps with seven new employees joining the growing domestic heating systems division. "We are seeing an increase in demand for air source heat pumps and we have brought on board people with a wide range of experiences of the industry gained through working for companies such as Vaillant and Alpha Boilers," explained National Sales Manager, Russell Dean. Legislation is helping to drive the growth of low carbon heating systems and as the price of gas and oil continues to increase year on year, households are looking for systems that offer the long term potential to cut energy consumption and reduce fuel bills.

Enq. 306



Powerguard manufacture off-grid systems providing power 24/7 for domestic, business and temporary applications. They are for the supply of electricity only or are full CHP (combined heat and power) systems providing electricity, hot water for washing and hot water for space heating. The electricity only system is already very efficient. If the CHP option is included the efficiency is taken to another level cutting costs and reducing pollution. The heat is a by-product of producing electricity and is already paid for. The systems are usually installed into space made available by the customer such as an outbuilding, garage or plant room. The complete systems are now available in standard ISO containers for a very cost effective and easy to install permanent or temporary solution.

Enq. 340



David Robbins Underfloor Heating Systems Ltd. has launched its redesigned website at www.underfloorheating.co.uk. The site features a new, modern design and navigation as well as additional features like a free quotation form to get perfect underfloor heating solutions. Additionally, the website includes comprehensive information on the firm's services and advice for self builders and installers. "Our newly launched website is a better representation of what we are doing and the services available through Robbins Systems" said Mr. Bob Sage as head of operations. "We surfaced the valuable information [consumers] were looking for in the navigation, and we created customizable tools for a comprehensive user experience."

Enq. 303

Gledhill Building Products

Enq. 315



British Gas contract win for Gledhill

Gledhill Building Products has renewed a major contract to supply cylinders to British Gas. The contract is to supply around 15,000 replacement cylinders per annum for customers across the UK over the next three years, and strengthens the eightyyear relationship Gledhill has enjoyed with British Gas. The copper cylinders are bespoke units, made to the requirements of the installer and are delivered the next day, within a two-hour time slot. Rob Morton, Supply Chain Director, British Gas said, "Gledhill is an ideal business partner for us as they can supply units made to our requirements the next day. [...] Being able to specify the fittings and create a bespoke cylinder for each job makes the installation simpler and quicker for our engineers."

Nuaire

Enq. 316



Nuaire introduces Genie Low Watt™ extract fans

Nuaire has continued to expand its residential product portfolio with the introduction of a range of highly efficient extract fans with DC motors. Known for its success in developing innovative products such as the MRXBOX95 heat recovery range, Nuaire has launched the Genie Low Watt™ range, a new selection of cost effective extract fans

that are suitable for both residential maintenance and new build applications. Part of Nuaire's established Genie family, Genie Low Watt™ is perfectly suited to residential repairs as it offers customers hassle-free maintenance, a very low life cycle costs, as well as saving occupants over 80% on running costs.

getting the best from your fuel



Tortoise Convector Fireboxes

the eco-friendly open fire solution.

freestanding as pictured, or inset models
traditional and contemporary designs
we offer a wide range of standard sizes,
as well as a made-to-measure service.

your choice of fuel - wood, multi-fuel or gas

www.flamewavefires.co.uk

0845 257 5028

Enq. 317

EHC

Enq. 318



Heat pack offer from EHC

EHC understand that in the competitively priced heating market all engineers are looking for the best deal available. To this end they have created a Heat Pack Offer that will save both time and money. The offer combines all the necessary equipment for a full gas central heating system (excluding pipework) i.e. the Ecosave SEDBUK A rated gas condensing combi boiler (Full Load Efficiency 98.2%), valve set, standard flue, programmable room thermostat, steel radiators, trv's and valves. All the above can be delivered direct to any address on the UK mainland within 2-3 days. The Ecosave boiler is available in 21kW, 25kW, 32kW and 37kW outputs offering up to 15.2 litres per minute flow rate on the domestic hot water. Annual servicing is made simple as all valves and filters are located on the base of the boiler. Unique to the Ecosave Combi is the in-built magnetic filter for system protection and in-built weather compensation that requires a sensor for activation.

Tel: 01698 820533 www.gascombi.co.uk

Sentinel Performance Solutions

Enq. 319



A water conditioner that really delivers

If you're looking to fit a water conditioner, you need to fit one that is proven and which has the science to back it up so an electrolytic physical water conditioner is the ideal choice. The SESI from Salamander Engineering uses a zinc electrode and a natural electrolytic process to flush hard salts through the system rather than allowing them to settle and build up as limescale. Its environmentally friendly and cost-effective operation has been proven in tests over the last 20 years, as has its efficiency at controlling limescale. The SESI from Salamander has the advantage of being able to protect an entire household pipe system.

Tel: 01928 583280

www.salamander-engineering.co.uk

Johnson & Starley

Enq. 320



SAP Appendix Q high efficiency heat recovery with electronic air filtration

The most energy efficient solution to a lack of ventilation is to use a whole house mechanical ventilation system with heat recovery and Johnson & Starley has now introduced the Q-Vent HR 260 and Q-Vent HR160. This unit is SAP Appendix Q listed and meets the requirements of developers and home owners in achieving the highest dwelling

SAP ratings. It is also unique in offering optional electronic air filtration which automatically cleans the fresh air and removes 95% of particles down to one micron, including pollen. The Q-Vent HR 260 accurately controls the amount of replacement fresh air which is pre-warmed indirectly by the extracted air. It complies with the Energy Saving Trust's Best Practice programme.

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- Looks like regular central heating
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Enq. 321

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info@eurostove.co.uk

Enq. 322



Sensible Heat is pleased to announce the release of a software "driver" for the popular Control4 touchscreen control system. The new driver allows a Control4 system to integrate with Honeywell Hometronic, allowing the user to control his heating system from any touchscreen, iPad or iPod Touch. The Control4 driver joins an existing family of drivers for AMX, Crestron, Netstreams Digilinx and Philips Pronto. Sensible Heat is a member of the Green Register of Construction Professionals. The aims of the Green Register include to; Raise awareness of sustainable building issues across all sectors of the construction industry; Provide a pre-selected list of construction professionals for potential clients looking for professionals committed to sustainable building practices.

Enq. 304



Solar Twin Ltd is a UK nationwide company that manufactures and supplies truly zero carbon, solar water heating systems and grid-tied solar electric (PV) systems, to the trade and domestic customers. In our thermal systems, our pump and solar controller are powered by a small solar electric panel, which eliminates all parasitic mains electrical loads. The panel is very quick to install, usually taking less than a day, due to its simplicity. Another significant advantage is that all the pipework is silicone based, meaning the panel is can freeze safely. Therefore, no glycol or drain-down is needed, maintenance is minimal and customer satisfaction is excellent. These panels are Solar Keymarked, and are hence approved products. We also supply DIY kits.

Enq. 339



Warmworld have a new Product Portfolio for the winter of 2010 - 11 making their range of energy efficient controls even larger. What with the launch of 3 new products designed by the Bristol based company that will assist installers and end users alike the Dataterm MK4 IHC has just launched too! Gary Belgium MD states, "We have an exciting low cost high quality alternative to the current range of central heating timers and wiring centres available on the market today, our Wire-eez Wiring Centre will make light work of installing any heating system because it is designed with the heating engineer in mind. It's so easy to wire that we expect it to reduce labour time on installation and maintenance cost's throughout its lifespan, no more messy wires or tangled bird nests, its simplicity in a box!"

Enq. 323



Wessex Stone hand crafted fireplaces represent an uncompromised approach to quality and craftsmanship. A perfect reflection of the stone mason's art, Wessex Stone Fireplaces are crafted from beautifully detailed, locally quarried (Cotswold and Bath Stone). They offer a range of designs to counterpoint contemporary architecture or resonate with practically any design influence or era. Everything they make is truly unique and skilfully handcrafted by their own masons in the UK. So if there's a detail you'd like changed or if you're contemplating some touches of your own, then all you have to do is ask. Wessex Stone Fireplaces' own high standards of enduring quality are delivered as standard with every surround they design and their masons' craft.

Enq. 334

The All New Dataterm IHC Can Knock 25% off your fuel bill!



The all new Dataterm IHC can now control up to 4 heating zones and hot water all from 1 handy control

pad allowing you to be in total control of your heating and how much it cost's you. So if central heating is a burden to your budget enquire about Dataterm today, after all it is the control that can pay for itself in as little as 2 years and its good for the planet too! Suitable for all heating systems, it simply replaces existing time clocks and thermostats allowing greater flexibility and control. Features include illuminated display, optimum start / stop, close temperature control and an **average 25% savings in fuel spend per annum...Dataterm is recognised by the Energy Saving Trust in recognition of its ability to save fuel and help the planet.**

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Enq. 323

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Enq. 324




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Enq. 325

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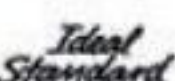
We stock Bathroom, Plumbing and Heating products from some of the leading manufacturers.

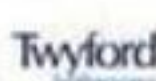
All products are sold with a manufacturer's guarantee. We aim to be extremely competitive with unbeatable special offers on certain items.





www.DiscountedHeating.co.uk





Enq. 326

- Heat Pumps
- Solar Hot Water
- Solar Electric
- Wind Turbines
- Underfloor Heating
- Rainwater Recovery
- Wood-pellet Boilers.....



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Enq. 327

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Enq. 328



Honeywell has relaunched its popular UK Heating Controls web site with a fresh new design.

It provides a comprehensive resource for all who use, install, maintain, design and specify heating systems.

It has clear and easy access to a wealth of advice on products and systems to save energy, enhance comfort and satisfy Building Regulations.

The new web site design makes it easy to find details of products and systems from the company's huge range, which includes wired and wireless thermostats, wireless enabled timers and programmers, control valves and water controls.

Enq. 329



Danish stove manufacturers **Morsø** have been leaders in producing cast iron stoves for over 150 years, and it is their ability to fuse tradition with contemporary design that makes them so popular.

The Ø4 model's clean square lines coupled with the cast iron body make this stove the perfect addition to any home, and with a rated output of 5kW the stove is an efficient heater of rooms up to 46m².

The Ø4 model is DEFRA approved, meaning that it produces exceptionally low particulate emissions making it one of the best heating options available in terms of protecting the environment.

Enq. 330



The mechanical ventilation with heat recovery system (MVHR) from **Total Home Environment** has been used to save energy and eliminate condensation problems in a 1970s house suffering from poor air quality leading to unsightly mould growth. The system removes stale, damp air from the property whilst recovering its heat which is then used to warm the replacement fresh air distributed to the living areas, giving a warmer home with good air quality, no condensation problems and lower fuel bills. The MVHR system allows homeowners to benefit from clean, fresh air without the need to open windows, keeping insects out of the house in the summer and heat inside in the winter. The Energy series heat recovery ventilation appliances utilise EC motors for the lowest possible energy consumption.

Enq. 331



Xpelair Ventilation Solutions has added a new energy efficient solution to its ever-growing mechanical ventilation with heat recovery (MVHR) range. The Xcell 400 is a high performance system available in three models (QV, QVW and QVI), which can recover up to 91 per cent of outgoing heat energy and uses a low energy Ultra EC motor, making it one of the most efficient MVHR ranges on the market. Steve Mongan, Head of Marketing at Xpelair, commented: "We are seeing more and more specifiers and installers trying to find an appropriate ventilation system that meets the Government's expectations for airtight homes. The Xcell 400 exceeds these high standards as an Appendix Q listed product, helping to drive down CO₂ levels and provide a constant supply of fresh, clean air."

Enq. 332

ECO STOVE

This stunning contemporary stove design, which was Highly Recommended in the 2010 Self Build Product Awards, is crafted in silicon carbide for the ultimate in looks and efficiency.

The **Ecco Stove E678** is a slow heat release appliance which gently projects heat around the house creating a comfortable environment and heating much more of the house than just the room that it stands in.

With up to 7.4 kW/h released slowly for over 7 hours after burning, the Eccostove is ideal for whole house heating.

The silicon carbide comes in black and grey as standard with the options of blue, green and red.

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or email: sales@landyvent.co.uk

Enq. 333

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Our creation...Your inspiration

Enq. 334

EHC

Enq. 335



Increase comfort and reduce energy consumption with the new intelligent TDI Controller from EHC

The EHC Combination Electric Radiators are a popular choice for both Social Landlords and Homeowners. Due to the various control options and performance, they are economical to operate when using the Economy 10 tariff.

They can be installed as a full central heating system or as stand alone heaters for Conservatories, Sunrooms or Offices etc. The reliability of the products allows us to offer a 15 year Warranty on the main body of the Radiator.

Due to the increase in stand alone heater sales we have developed the radiator to incorporate our new digital TDI Controller on the side panel. This versatile controller allows you to set Time and Temperature 24/7. It also boasts an Economy Mode, Frost Protection and Boost facility.

Tel: 01698 820533 www.electric-heatingcompany.co.uk

Easy Heat

Enq. 336



Taking control of the heat in the bedroom this winter

When the temperature drops outside, we turn it up inside, despite recommendations stating the bedroom should never exceed 18°C, even in winter. So how do we ensure the bedroom remains a healthy sleep sanctuary during the coldest time of the year? Easy Heat radiators are water filled ensuring a radiant heat, just as you would experience from gas central heated radiators. "They look just like ordinary radiators but unlike other plug in electric heaters, they don't emit a dry or noisy heat," David continues. "Perfect for the bedroom, Easy Heat radiators are silent, thermostatically controlled, 100% efficient and can be timed to come on and off whenever needed."

Remmers

Enq. 337



New intelligent interior insulation: iQ-Therm

The new iQ-Therm system from Remmers is internally applied insulation that reduces room heating energy costs by up to 75%.

It can even be used on listed buildings and homes, because the external façades and finishes are not disturbed; there is no dangerous vapour barrier and co-ordinated

Remmers internal wall paints can then be applied without the risk of condensation damage. Now you can bring your property up to the latest standards for thermal efficiency and save money every year ahead.

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Nb. Each manifold contains 2 x Isolating valves, 2 x temperature gauge, lock shields with flow meters on each port, 2 x drain fill valves with blank caps, 2 x automatic air vents, metal fixing brackets.

PACK SIZE M ²	PRICE + VAT
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60	£570.21
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Free UK delivery on all packs
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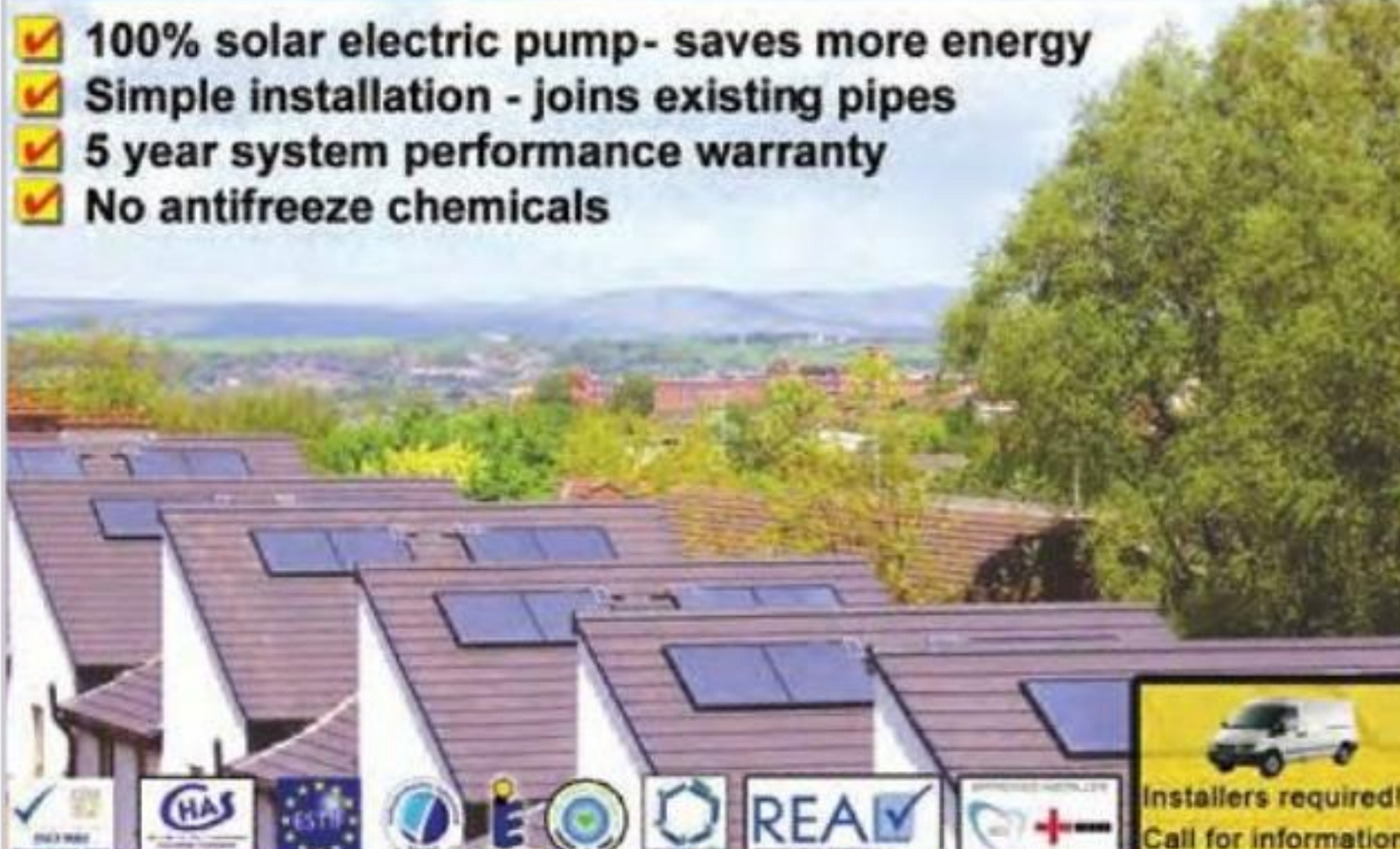
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Enq. 338



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REAA Renewable Energy Association Member / Association for Environmentally Conscious Building Member

Enq. 339

Asgard biomass launches new Evotherm boiler

Asgard Biomass Systems, the UK's sole distributor of high efficiency Evotherm biomass boilers, has launched the new 'P50 Eco' – the latest in a new generation of environmentally friendly pellet boilers.

Using state of the art biomass technology, the Evotherm P50 Eco is said to be one of the most energy efficient, safe and reliable boilers of its class, offering customers superior thermal efficiencies of 96.2% and lower operating costs than other biomass boilers.

Furthermore, with its compact and lightweight (400kg) design, the P50 Eco is easy to manoeuvre through standard doorways, making it quick and convenient to install in confined areas.

Suitable for both new build and replacement applications, the P50 Eco has a heat output of 15 to 50kW, ideal for heating large domestic and small commercial properties, offices, schools and nursing homes. It can also be combined with existing gas or oil fired heating systems and connected to Building Management Systems.

Developed in Austria, the Evotherm range of biomass boilers

has an excellent reputation for high performance and reliability across Europe, with outputs ranging from 13kW to 500kW, delivering thermal efficiencies as high as 98%.

"As the price of traditional fuels continues to rise, biomass technology is becoming increasingly popular in the UK as a reliable and entirely sustainable energy source, which also offers customers potentially significant cost savings," said Ross Donovan, Managing Director of Asgard Biomass Systems.

"The P50 Eco is one of the most cost competitive, energy efficient boilers of its kind available, with a reliability and simplicity of design that is easy to operate, requiring minimal maintenance."

Asgard Biomass Systems offers a complete 'turn-key' service, from in house system design, bespoke engineering, expert technical advice to ongoing maintenance to ensure each installation is tailored to customer requirements.

All Evotherm systems comply with UK and European regulations and are backed by a five year warranty on the heat exchanger and two years on all other parts. **Enq. 343**

Ariston bares all for charity

Staff members at Ariston recently turned up the heat in a different way, when they stripped off to pose for Ariston's very own 2011 calendar inspired by the film 'Calendar Girls'. Every month features an office-inspired theme, each with its own Ariston girl and a few guest appearances from other members of the Ariston team! Priced at only £10.00 (plus £2.75 Postage & Packaging), Ariston calendars can be ordered by calling the Customer Services line on 0870 600 9888 and pressing option 1. Copies signed by the stars are also available for an additional £5! All proceeds from the calendar sales will be donated to Macmillan Cancer Support.

Phil Goddard, Service Director and keen photographer, came up with the idea after setting up the studio at Ariston's Head Quarters in High Wycombe for some product photography. "We had been talking about what a wonderful job Macmillan do, as many of us have received support or know someone who has been supported by them,"



said Phil. "Having seen the film Calendar Girls, I realised this could be the perfect opportunity to raise money for this amazing charity – and have a laugh in the process. I needed to check people would be up for it, but most of them were even more enthusiastic than I was! We had a lot of fun putting this together and I would like to thank everyone involved for their help...and their bravery!"

DO YOU LIVE OR PLAN TO BUILD OFF-GRID AND NEED AN AUTOMATIC SYSTEM PROVIDING ELECTRICITY 24/7?

The Powerguard PS System operates with any auto-start generator providing electricity 24/7 in a controlled and very efficient way. Typically the generator runs less than 8 hours per day increasing generator life by 300% and reducing fuel use and maintenance by 65%. The battery and inverter supply the power when the generator is not running.

The PS System will accept and monitor input from renewable energy sources such as wind and solar.

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The PS Systems provide the most cost effective and practical solutions for off-grid applications. The PS System saves fuel and reduces pollution.

The PS System is fully automatic, fully integrated, very efficient and very reliable.



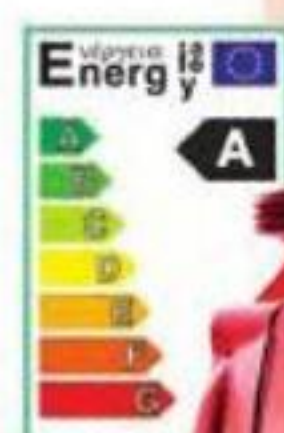
PS SYSTEM INSTALLATION

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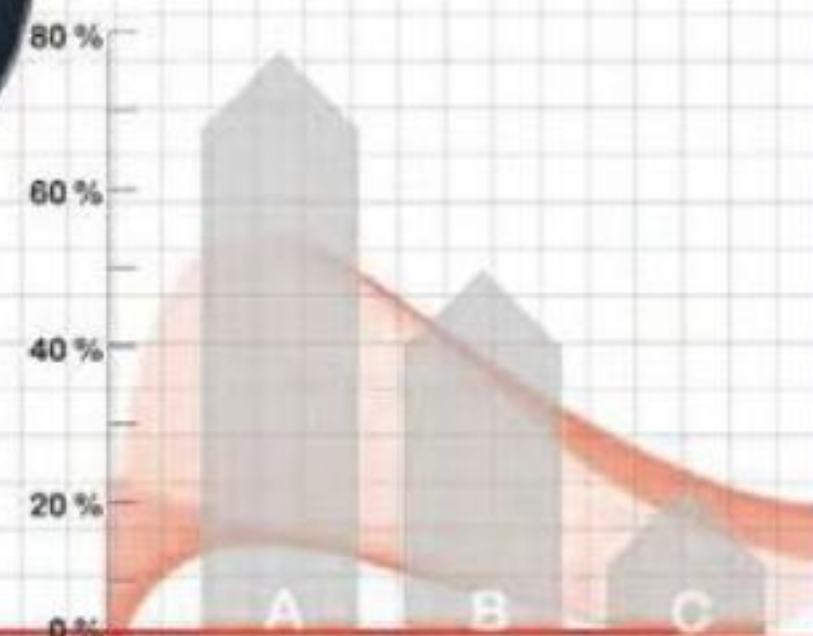
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Enq. 340

BE > THINK > INNOVATE >



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GRUNDFOS

Enq. 341

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The leading manufacturer of clean burning wood stoves

Clearview Stoves offers the complete solution for homebuilders & renovators

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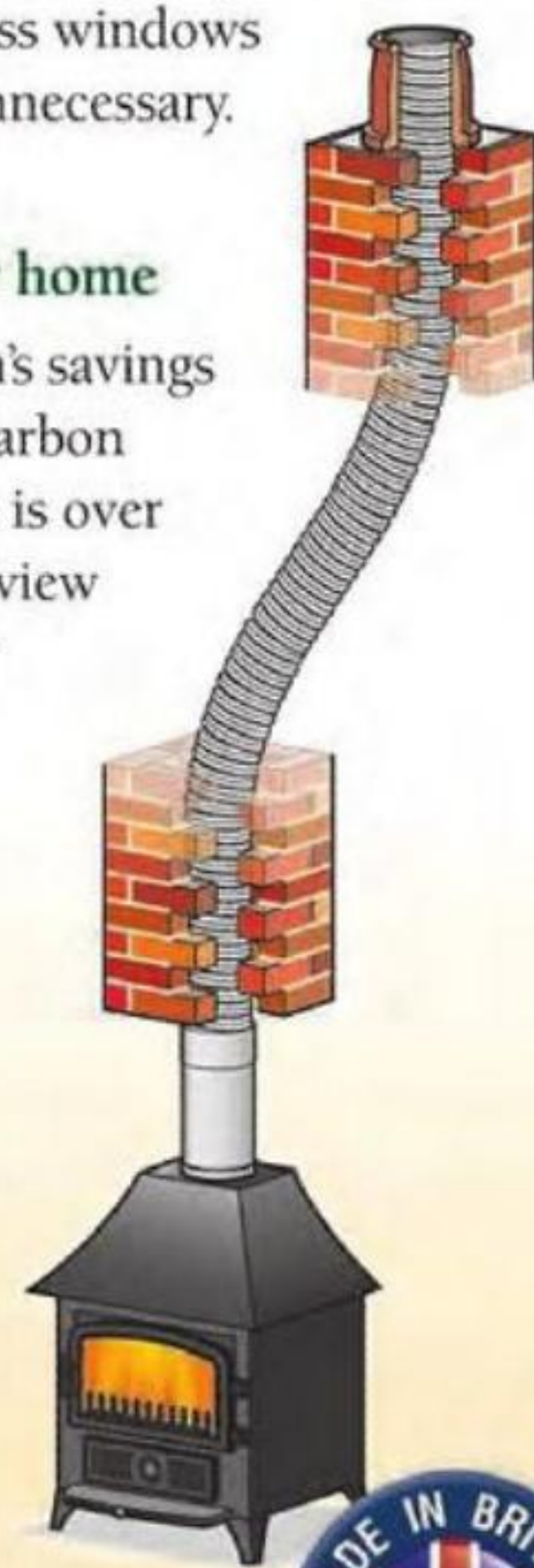
Our installation and product knowledge is unequalled in the industry and we have thousands of accessories and flue components in stock, so whether you are building a new house or renovating an old one we can provide the kind of expert advice that results in a trouble free installation.

A pleasure to use

Our stoves are a pleasure to use. They are easy to light and burn for long periods unattended. They offer an exceptionally large view of the fire through double glazed ceramic glass windows and burn so efficiently that frequent cleaning is unnecessary.

Good for the environment and good for your home

Burning oil, gas and coal is like spending the earth's savings and it's changing our climate. Burning wood is a carbon neutral way to heat your home. A Clearview stove is over 70% efficient, most open fires are only 10%. Clearview stoves can be directly connected to an external air supply so enabling them to conform to recent building regulations.



Enq. 342

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Grundfos Pumps

Enq. 143



Grundfos sponsor Saracens

The innovative North London club is now proudly sponsored by Grundfos Pumps. Saracens now carry the Grundfos logo on the back of their shirts and you may have also seen articles and adverts within the match day programmes. Grundfos and Saracens are similar in that they are committed to getting involved with the local community. Grundfos has helped fund many

local projects this year - from Scouts and football teams to dance and theatre groups. Grundfos is also committed to educating homeowners about the benefits of A rated pump technology.

Tel: 01525 775402

www.A-ratedpumps.co.uk

Dow Building Solutions

Enq. 144



Effective insulation key to England's first certified Passive House

Styrofoam-A from Dow Building Solutions has been used to extensively insulate the first certified Passive House in England, Underhill House - a project recorded for the latest Channel 4 Grand Designs series. Produced at Dow's facility at King's Lynn in the UK, distinctive blue Styrofoam-A products Floormate 300-A, Roofmate SL-A and

Perimate D1-A insulate the floor, roof and basement walls of the structure, and played a vital role in the house getting Passive House certification. Matthew Dyke, Account Manager for Dow Building Solutions, said "Underhill House is a fantastic demonstration of how a combination of effective materials and an architect's vision can result in a beautiful yet practical family home."

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Enq. 145

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Enq. 146

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NO ODOURS with our aerated treatment system

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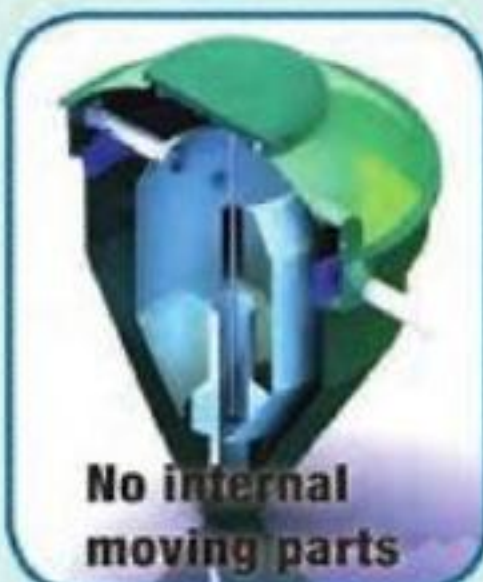
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Meets normal Environment Agency consents

The Diamond, it's brilliant!

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No internal moving parts

Plus WPL RainRetain
Rainwater Harvesting

Available from your local Builders' Merchant

Enq. 147



How to avoid costly over runs and delays

By Chartered Surveyor Ian Rock, author of the Haynes Build your Own House Manual.

Self builders are natural optimists. The fact is no one with a 'glass half empty' view of life would contemplate embarking on a major project like building a house. Therefore the downside to seeing the world through rose-tinted specs is that it's easy to overestimate your own abilities by ending up nursing an overly ambitious build that you can't afford to finish. TV property programmes rarely dwell on failed projects that crash in debt and divorce, so it's important to take a reality check before you start.

Here are a few tips to help complete your build on time and avoid shortcuts that turn out to be false economies.

Keep it Simple

It may sound obvious, but ease of construction is a factor that needs to be considered at the design stage to minimise problems later on site. This is particularly important if you're planning to do a lot of the work yourself, so try to avoid unconventional methods of construction or materials that demand particularly high skill levels. It's normally best to stick with conventional brick and block or prefabricated timber frame for the main walls. It also helps if the roof shape is relatively straightforward (e.g. gables rather than hips) and perhaps clad with easy-to-lay interlocking tiles rather than slates.

Avoid Challenging Plots

Plots for sale at bargain prices are cheap for a reason; either there's a serious planning issue or there are hidden problems such as contamination,

poor ground, access restrictions or legal impediments.

To minimise the risk of delays and costly overruns, sites with odd shapes or steep slopes are best avoided as they impose design limitations that can add to the build cost. On the other hand, a site that's already fully serviced (e.g. where you demolish an old bungalow) can save time and money.

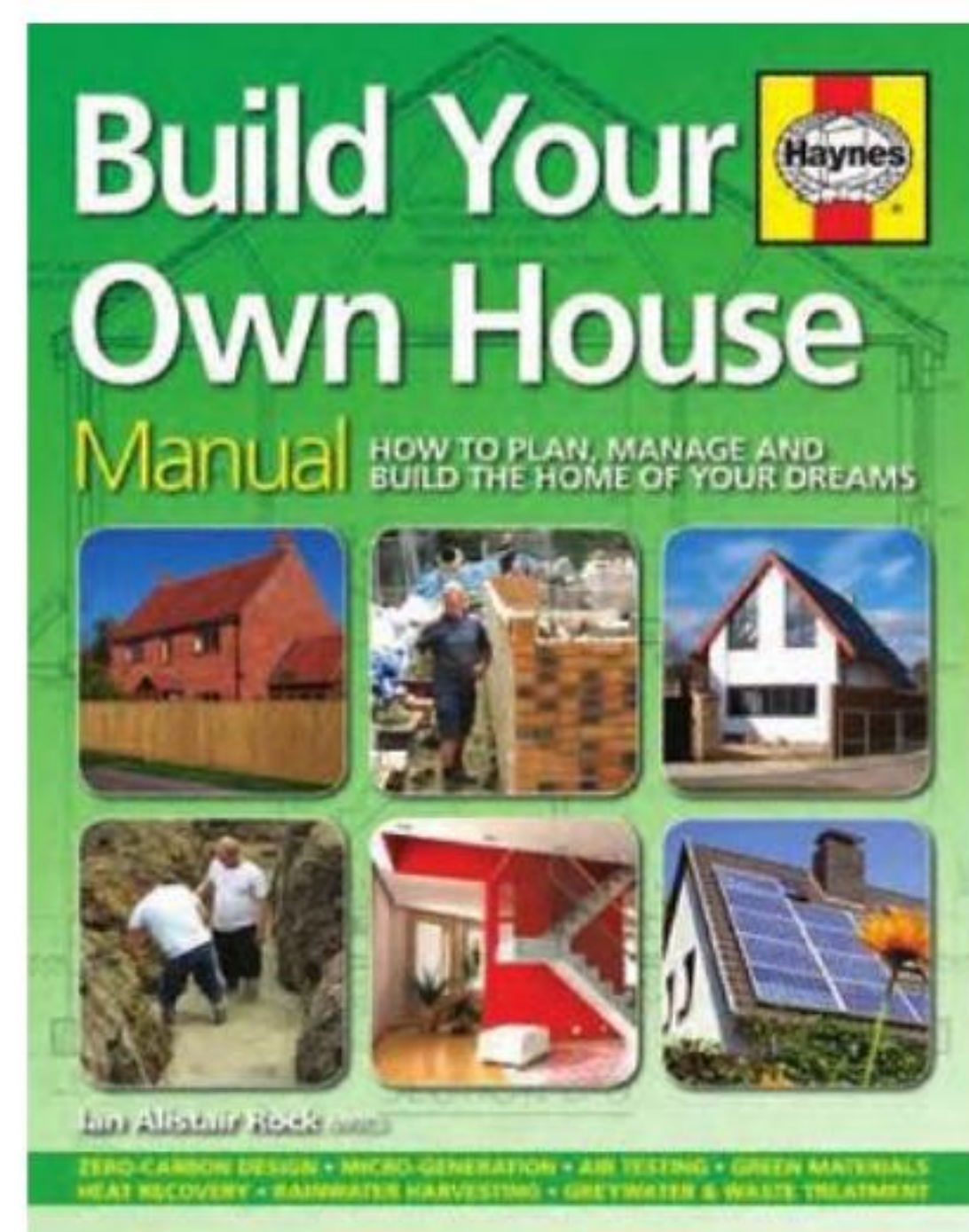
Employ a Main Contractor

It can be tempting to make large savings on labour costs by doing a lot of work yourself, or by employing individual trades direct. This may be cheaper, but the build can take 2 or 3 times longer to complete than if you employed a main contractor.

Professionally managed building projects invariably tender the job to several contractors with the works specified in detail. Then once a fixed price has been agreed with the successful firm, it's all neatly tied up with a legally binding contract. This may involve more work up-front, but you know exactly what you're getting for your money and when the job will be completed. Many self builders pick the safest option and go for a package deal. Here, once you've found a suitable plot, the entire project from design to completion is carried out on your behalf at an agreed price (e.g. by a specialist timber frame supplier).

Plan it Properly

Every hour spent planning the job can save 3 or more hours sorting out problems later on site.



The golden rule is to think it through very carefully in advance and clearly specify what you want, so you don't keep changing your mind as the job progresses. Many disputes are down to misunderstandings about what was meant to be done for the quoted price. If you don't make it clear exactly what work is required, it will later be charged extra, delaying completion. Many intricate design decisions need to be made at the planning stage, requiring a lot of time-consuming research. Unless you specify details such as light switches, sockets, radiators, taps and basins you may find the builders simply fit ones left over from the last job. Being lazy and skipping this stage is a recipe for trouble, as misunderstanding on site over tiny details tend to grow into disputes.

Budget Carefully

When it comes to budgeting, it can be tempting to jot down the lowest possible figures. If you're over-optimistic with the budget, the actual costs will inevitably turn out higher causing cash flow problems later. In addition to the 3 major costs of any building project - land, materials and labour - don't forget to include all the 'hidden' costs such as insurances, warranties, new service supplies and professional fees for architects, structural engineers, surveyors, planning and building control etc. Even then, there are always some unexpected costs, so it's essential to provide a contingency fund equivalent to at least 10% of your overall build budget.

Be Realistic About Your Personal Contribution

Some overconfident self builders have got into trouble by taking an unrealistic view of how much time and energy they can commit. Trying to run



a major building project whilst holding down a day job means there's a limit to how much time you can devote. It may be wiser to spend your time earning more money in your job and employing professional builders on site.

Even if you can devote the necessary amount of time, problems can arise where relatively slow DIY-ers cause delays to following trades. By losing a slot it could take weeks before a trade can get back on site. This is not the time to be learning new skills on the job. A good compromise is to have the outer shell built by the contractor, and leave the rest as a DIY project to tackle at your leisure – or take on the decorator's role towards the end when there's less time pressure.

Pick the Right Builders

Think twice before accepting the cheapest price from a builder who can start tomorrow. If you agree an uneconomic price it will be you who loses out in the long run when they skimp on materials and labour, fail to finish or go bust. An unscrupulous firm will later charge premium prices for extras, or you'll end up with a badly done job. The best advice is to do your homework and follow up recommendations, preferably from other self builders.

It's sometimes tempting to cut costs by arranging for 'a friend of a friend' to do the electrics or plastering etc. With informal arrangements you can find yourself left in the lurch - because inevitably something else that's urgent comes up on the day they promised to finish your job, and if a key piece of work hasn't been done, the following trades will be held up. Similarly, employing non-English-speaking trades invites communication problems, mistakes and delays.

Avoid Building Notice Applications

When it comes to making your Building Control application, you have 2 options: Full Plans or Building Notice. The Building Notice method is a shortcut that allows you to start on site with just a few days' notice. This is because you're effectively making a promise up front that you will comply with the Building Regulations later on site, rather than submitting detailed drawings to prove it in advance. However, if a site inspection later uncovers something that doesn't comply while the property is being built, it can prove highly disruptive and expensive.

For any major project a Full Plans application is essential. Although approval normally takes 5 weeks, about half of all self build projects commence work on site before it's been granted. A good compromise is to wait a couple of weeks after submitting the application for the initial queries to come back, before starting to build.

Don't Skimp on Project Management

Project Managers are the unsung heroes who prevent problems arising in the first place, such as theft, injury and disputes that would otherwise cause serious time and costly over-runs. If this is a role you plan to undertake personally, be aware that project management tasks can be very time-consuming, e.g. ordering materials, organising site safety and insurance, and liaising with LABC.

Sound project management is particularly important when it comes to cash flow, to avoid the disastrous scenario where work stops through a lack of funds, and the bank stops funding the project. A stop-start project is a nightmare, so it's essential to know exactly when your mortgage stage payments will be available. It's particularly important to pay builders promptly; no one is going to do their best work if they're not paid on time.



Enq. 148

Ecomerchant

Enq. 149



Are you equipped for the winter months?

Ecomerchant's extensive range of eco-friendly insulation materials are sourced using our philosophy to only sell products which are healthy and sustainable. We assess the extraction of minerals, processing, manufacturing, onsite use and disposal connected with each eco-friendly insulation material listed on this site. We've all heard the saying of location, location, location. When considering how to reduce the carbon impact of your building it's important to first think insulation, insulation, insulation. Often people can lose sight of the basics like a well insulation yet breathable building structure and opt for products that can be seen to be green such as wind turbines or solar panels. Both of which have their place but must be considered in a more holistic manor. Why then should we choose eco-friendly insulation materials? The answer is quite simple eco insulations offer a natural, breathable and healthy alternative to synthetic based insulations that can trap in moisture and lead to condensation and contribute to unhealthy living conditions.

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Enq. 150



Front aspect of Simon and Helen Gore's dream home.

Choosing timber frame

Self builders Simon and Helen Gore had no hesitation in choosing timber frame when it came to selecting the build method for their dream home. From the outset the Gore's intention was to create a super efficient, stylish new home taking into account the range of functional and aesthetic features they had always dreamed of. Working with architect Mark Nolan and UK Timber Frame Association (UKTFA) manufacturing member Oakworth Homes Ltd, the Gore's dream, overlooking a Sheffield golf course, became a reality.



Window with a view

The flexibility of timber frame construction allowed architect Mark Nolan to bring Simon and Helen's vision to life, in particular in maximising light and making the most of the stunning views across the South Yorkshire countryside.

"We spent months looking for the perfect building plot," explains Simon Gore. "Once we'd found it we wanted to move as quickly as possible so it was vital that we worked with build partners that could meet our needs." As the Gore's found out, working with the UK Timber Frame Association (UKTFA) manufacturing member meant that they retained complete control of the main construction phase, reaching the watertight stage in just a matter of days; no running around after legions of different tradesmen to get your build off the ground. "Dealing with a single contact point made things so easy for us," said Simon. "We could concentrate our efforts on the subsequent phases, allowing easy management of the finishing trades, providing them with exact dates of when they could start and complete their works."

The Gore's used a project manager for their build. "Living 50 miles away from the site, it was essential that sub contractors were managed on a daily basis," said Simon. Owen Stockham came highly recommended having

previously managed a number of self build projects for satisfied clients. "While the aesthetic elements of the build were critical, the Gore's wanted their house to be environmentally efficient too which was a major deciding factor when it came to choosing timber frame."

Oakworth Homes' John Capper comments: "A fact often overlooked by self builders and developers when looking to harness the benefits of renewable energy, is that for most low energy sources to work at their optimum the building envelope has to be ultra efficient with high thermal performance and virtually zero air leakage. Timber frame construction by its very nature of high insulation and precise, factory tolerances, delivers the perfect building envelope for today's much improved Building Regulations and Code for Sustainable Homes."

"Energy efficiency and low future running costs were very important to us," says Helen Gore, "the highly insulated timber frame allowed us to use a ground source heat pump for heating and hot water." An added benefit of choosing timber frame for self build is the huge carbon saving, not only from the much reduced burning of fossil fuels to heat the home, but an estimate from Wood for Good suggests that using timber frame in the construction of a 4 bed house can save up to 4 tonnes of CO₂ during construction



The rear of the house is enhanced with an integrated conservatory.

Q&A

The following questions were put to the U.K. Timber Frame Association on behalf of self builders.

Q: What is the difference between a timber frame package provider and a general timber frame provider?

A: Usually package companies tend to specialise in the self build sector, providing a broader range of products and services. Usually they work with pre-designed house types which can usually be adapted, but this isn't always the case. General timber frame companies usually work from architect's drawings, providing a structural shell.

Q: How does the cost of timber frame compare with other forms of construction?

A: It really depends on your design. Most construction methods are broadly similar, it's a competitive market after all, however, when taking the speed of construction into account (you could be renting or living in a caravan during your build) timber frame is cost competitive as it is much quicker to build. Another factor to take into account is that with a timber frame package there is greater cost certainty from the onset of the project, so less of a chance that costs may run away with themselves.

Q: Does timber frame construction comply with all Building Regulations?

A: Timber frame often exceeds all current Building Regulations, in particular relating to part L – thermal performance.

Q: How long does a timber frame self build project normally take?

A: You can expect to complete the construction element of a timber frame self build project in 15 to 20 weeks

Q: Does building in timber frame help me achieve Code for Sustainable Homes level 3 and above easier than other forms of construction?

A: Most UKTFA members can provide a full advice and support service, saving disruption and cost. The very nature of the thermal excellence and sustainability credentials of timber frame will help you comply with higher levels of the Code, including the highest; zero carbon level 6.

Q: How can I be sure to get the best advice on my choice of timber frame provider?

A: Always use a UKTFA member. All members have to adhere to a strict code of practice and third party quality accreditation is a mandatory requirement of membership.

Enq. 151



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Enq. 152

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Enq. 153

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Enq. 154

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Enq. 155

Granite Transformations

Enq. 156



Reface not replace, say kitchen makeover experts

Granite Transformations is now offering complete kitchen refacing through its network of showrooms, following the introduction of replacement cabinet doors to its high quality range. Made-to-measure kitchen doors and drawer fronts in over 30 colours and 20 different styles have been added to its unique 'worktop that fits on top', a solid granite, quartz or recycled glass material that is installed directly over existing work surfaces. This move is in line with the current consumer trend toward kitchen refacing, rather than demolishing and replacing all the units.

Tel: 0800 822 3410

www.granitetransformations.co.uk

Westin Design

Enq. 157



Take a Fresh Look at Westin

Westin has unveiled a fresh, exciting new look and company name. The company has re-branded to Westin Design as a commitment to both its sustained growth strategy and its expanding range of innovative and exclusive domestic kitchen extraction solutions. Westin Design's Sales and Marketing Manager Ann Phillips explains: "Westin is recognized for our high quality, high performing, innovative product range [...] and for our dedicated, attentive service and customer care built over many years' of Westin. Our objective going forward with the re-brand is to strengthen and build on this reputation."

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Enq. 159



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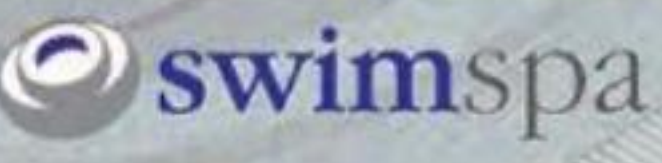





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Enq. 160

interiors showcase



DigetexHome products patterns can be in any scale or colour combination to suit your existing interiors using their bespoke service. The Classic Romantics Collection includes: Sloane Square, Chelsea, Knightsbridge, Baker Street and Notting Hill.. Price: from £119.00
www.DigetexHOME.com

Enq. 162

The Chandelier & Mirror Company

Corby is a very exciting and flamboyant chandelier made up of a chrome spherical ball to which decorative clear crystal 'icicle' shards are attached. The light is suspended from a chrome disc ceiling plate and the overall effect is absolutely stunning; a state of the art piece that you will not be able to resist. Price: £405
www.chandeliersandmirrors.co.uk

Enq. 161



DigetexHome.com

Stunning Sloane Square Roller Blind from the new Classic Romantics collection. Available in: W:1800mm x D:1800mm W:1530mm x D:1800mm W:1200mm x D:1800mm W:900mm x D:1800mm. The collection features five stunning designs, all available across the comprehensive DigetexHome product range. As with all



B&Q

Snuggle up in style with Laurence Llewelyn Bowen's co-ordinating bedroom ranges at B&Q, which match his wallpaper range. This stunning Loveletter design with a bright floral pattern creates a stunning and boudoir-like decor in any bedroom space. Perfect for a romantic setting! The pattern is also displayed on the matching pillow cases. Available in Double (£29.98) or King (£34.98) size. Price: £29.98 – £34.98
www.diy.com

Enq. 163



Dotcomgiftshop

These retro cube shelves are a fun and attractive way to display photographs or store books. The white cube shelving is simple enough to fit into any decor. Just stack one cube shelf on top of the other. Price: £89.95
www.dotcomgiftshop.com

Enq. 164

Ecosmart Fire

This Retro fire from EcoSmart Fires is inspired by Sixties design. Made from sturdy materials such as fibreglass, stainless steel and toughened glass, it has a wind screen for added safety. It is available in orange, blue, black, green, yellow and red and is fuelled by denatured ethanol, an environmentally friendly, renewable fuel. Size: H878mm x W880mm x D581mm. Fully portable as it does not require a flue or utility connection. Price: £5,995
www.ecosmartfire.com



Enq. 165

MHS Radiators

Krom is a highly efficient aluminium towel rail. Not only is it good looking, it's extremely cost effective too. Thanks to its innovative design, it has a much higher output than a similar sized steel towel rail.

www.mhsradiators.com

Enq. 166



Roman

Roman has announced the launch of their new ingenious collection of revolutionary shower enclosures - the Desire range. The Desire range has transformed the traditional perception that the sliding mechanism must be at the top of the enclosure. The range proves there are no design limits at Roman, with the sliding mechanism presented at the base of the shower door to offer the ultimate in minimal styling. This patented glass glide system means it is easy to keep the enclosure clean, whilst preventing the build up of water and lime scale.

www.roman-showers.com

Enq. 167



join·er·y | 'joināre|

noun

the wooden components of a building, such as stairs, doors, windows and conservatories, viewed collectively.



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Enq. 168



Trend highlights increased interest in specifying colour

Freefoam Plastics has observed the trend over the last few years of increasing interest in colour. Demand for its colour products has increased considerably as homeowners and specifiers use it to create something unique. Freefoam decided some years ago to be a colour specialist. It achieved this through continuous innovation and has invested heavily in develop state-of-the-art colour technology and state-of-the-art colour production facilities. Freefoam's fascia, soffit, gutter and cladding products are available in ten colours as standard including white, pale gold, sable, storm grey, dark grey, black, leather brown, wine red, regal blue and rustic green, and other colours are available on request. Most colours are available off the shelf or on a short lead time, are reasonably priced, and are available in all profiles and mouldings with matching pins. Its colour range is backed by its innovative Colormax™ technology.

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New profiled tile vent from Klober

With growing demand for universal, low profile tile vents, roofing ventilation and accessory specialist Klober has added the Twin Plain Tile Vent to its Profile Line® range. The vent is the seventh Profile Line® product and is ideal for use with Redland Duo Plain, Forticrete Gemini and Marley Ashmore tiles. Available in four standard colours, the Twin Plain Tile Vent provides an effective ventilation area of 7,850 mm² and, in keeping with the rest of the range comes with a 10-year guarantee against manufacturing defect.

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Kytun joins NFRC & IFD

Kytun are delighted to announce they are now Associate Members of the National Federation of Roofing Contractors and the IFD (International Federation for the Roofing Trade). Kytun Sales Director, Martin Mortimer, said "the joining of these renowned organisations is part of the company's commitment to the profession and will hopefully add to the profile of our award winning organisation."

Kytun has exhibited at the IFD World Championships for Young Roofers, organised by the NFRC, and at the National Homebuilding and Renovating Show, at the Bath & West Showground on 27th and 28th November.

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Up on the roof

The return of the Kent Peg Tile by Paul Lythgoe, Managing Director of Tudor Roof Tile Co Ltd.

The use of peg tiles completes this Grade II listed barn restoration.

The Kent Peg Tile holds a unique place in the rural English architectural landscape. Dating back as far as the 12th and 13th centuries, hand made clay peg tiles were once a popular feature seen on nearly every town house, country residence, barn, oast house and farm property across the whole of the South East of England.

Named after the wooden pegs by which they were originally attached to the battens, their distinctive appearance was characterised by their variation in texture, camber and colour. Depending on the local clay, the firing temperature and the skill of the local or travelling tile maker, this variation could range from pale orange to a dark red.

Despite the rise in modern mass produced slate, concrete and machine made clay tiles, the traditional hand made peg tile has still not lost its timeless appeal.

In fact, if anything, tighter modern planning controls and the widespread recognition of the importance of conserving our historic buildings with sustainable and visually sympathetic materials, has resulted in a renewed interest.

Reclaimed or New?

Old peg tiled roofs are constantly falling into disrepair, largely through damaged pegs, insect or fungal attack, wind-lift and the effects of frost, particularly on north-facing slopes.

Second hand tiles from specialist suppliers have traditionally been the preferred choice on historic and older buildings, particularly if only a few tiles are damaged. They blend in extremely well, provided they are of a compatible size,

texture and colour and are reclaimed from the same locality.

However, the supply of good reclaimed roof tiles from legitimate sources is ultimately finite, and potentially expensive, as suitable tiles have to be carefully sourced from other unlisted, abandoned or derelict buildings. Furthermore, after many years of wear and tear, their condition and life expectancy is inevitably uncertain as, clearly, they have not been tested to EN and BS standards and do not hold performance guarantees.



Medium coloured tiles add character to this new build.

In cases where large sections or entire roofs need to be replaced, new hand made peg tiles, specifically chosen for their sympathetic qualities, are often a much more reliable and cost effective option for most home renovations.

Machine or Hand Made?

One of the problems when renovating an old building is that the rustic character of the original Kent Peg Tile, with its subtle variation in texture, colour and camber is not easy to replicate using modern manufacturing methods. Despite significant advances, the majority of mass-produced machine made clay roof tiles are still far too dull and uniform in appearance to be a convincing substitute.

A small number of studio potters are still able to make bespoke hand made tiles, relying on skilled craftsmen to painstakingly form each individual tile and recreate bespoke colourings, but such meticulous detailing is often reflected in their production and costs.

However, there are now some manufacturers who are combining the best of both traditional and modern tile making techniques to create a

time weathered 'olde world' look.

As the tiles are hand pressed, moulded and trimmed, they can successfully recreate the idiosyncrasies of traditional sand faced peg tiles, whilst highly advanced firing techniques ensure an exceptional performance and durability required by British Standards.

Furthermore, as these high performance hand made tiles can be made to incorporate square (or round) peg holes, as well as nibs on the underside, they are suitable for both traditional and modern roofing construction methods.

The Modern Peg Tile

Whilst remaining true to its roots and original character, the Kent Peg Tile is continuing to evolve and develop to meet the changing needs of today's market.

As a result, the appeal of these historic plain tiles now stretches far beyond their traditional heartlands in the listed properties, heritage buildings, barn and oast house renovations in the South East of England.

Available with a single or double camber, in a wide range of colour options with matching ornamental tiles, they are not only being specified in conservation areas, but also being used to add value, character and individuality to modern, new build properties across the country.

For self builders wanting to create a home with a roof, which is truly unique, vibrant and doesn't cost the earth, the Kent Peg Tile is once again becoming an attractive option!

Enq. 174



A combination of traditional plain tiles range gives this new residence a distinctive look.



The use of traditional roof tiles enables this new extension to blend seamlessly with the tiles used on the main house several years earlier.

CroatianCabin

Enq. 175



Croatia's leading timber building manufacturer launches in the UK

Ideal for any project, Azelija buildings from Croatia – available in the UK from CroatianCabin Ltd – are made from FSC Slavonian oak and Croatian spruce. Azelija's patented interlocking AZ beam system provides superior strength stability and eliminates the movement often associated with solid log construction methods.

These laminated and insulated beams are stronger and lighter than conventional solid beams resulting in easy to assemble buildings. Each bespoke building is available in a choice of finishes.

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www.croatiancabin.com

Screwfix

Enq. 176



Screwfix puts safety first

As the nights are drawing in, Screwfix is making sure its customers stay safe and sound this winter with an extensive collection of seasonal security products. The nation is already putting safety first with sales of security products more than doubling over the last two weeks, and Screwfix offers a wide selection. Catering for both commercial and domestic environments, Screwfix offers an impressive

range of security products, including best-selling electronic safe and security light lines, which are all showcased in Screwfix's latest 'tradesman's bible', Catalogue 103. John Mewett, marketing director at Screwfix, comments: "With our extended range of seasonal security products we are confident that we can provide everything our customers need to stay safe this winter."



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Enq. 181

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The flexibility of wireless technology

Self-powered wireless technology smartens residential buildings.

By Andreas Schneider, Executive VP, EnOcean GmbH.

For a number of years already automation and networking have been establishing themselves as a standard in office buildings. A trend has also been emerging of late in private residential building towards modern and intelligent houses, attracting attention not only through their architecture but also because they integrate innovative technologies. A study by the Aberdeen Boston Group indicates that there is enormous potential in these smart home technologies. In the USA alone, 13 billion dollars are forecast to be invested by private households and businesses in such technologies; in Germany a figure of some 5 billion euros is expected.

Smart home technologies enable owners to control and regulate a number of components and communication systems in one overall system. That means a variety of application possibilities, both in commercial buildings and in private households. Control of blinds can be automated for example, or lighting regulated as a function of daylight and the presence of persons detected in a room. Innovative technologies make everyday life easier for the occupants of a house, besides promoting more efficient energy use. A drawback of the different components and communication systems available, however, is that many cables and numerous remote controls are needed for all the devices. Dependable wireless networks that manage with no cables at all, present a reliable alternative.

Self powered wireless technology enables reduced energy consumption for houses with numerous windows.



Self-Powered Wireless Technology Brings Flexibility

Wireless technology not only greatly simplifies the cabling of a building, it also enables flexible room planning because no new cabling has to be laid if room configuration needs to be changed later on. For this purpose an innovative basic technology that works entirely without batteries and with no need for servicing is available. It is easily integrated into an existing infrastructure and is simple to operate. A wireless timer is a solution for automating the control of blinds for instance. An automation system can be implemented to produce shade in the various rooms of a house depending on the time of day, season of the year and light intensity. Blinds or other components can be automatically raised and lowered, floor by floor throughout a building, timed by one switch. This will also operate the lights if an actuator is added. To ensure that startup is correct and straightforward, the product manufacturer is able to preset individual functions like the ID numbers of switch interfaces. That effectively speeds up the entire procedure allowing it to be completed in a few days.

Is Anybody Home?

As well as light control it is possible to simulate occupant presence. Software will centrally manage and control individual processes while a residence is vacant. For instance, an occupied impression is created, even if nobody is at home, by automatic raising and lowering of blinds. Lights can also be set to turn on and off at random intervals in different rooms. Together with a PC or a touchscreen panel, the software



Self powered wireless transmitters controls the numerous blinds, lighting system and heating within this family home near Stuttgart.

will visualise the entire household automation showing the momentary status of the connected devices. Further functions can be integrated into such a system, for example heating/ventilation or a burglar alarm. Window contacts and presence detectors with an absence function can therefore become a security system – even sending an SMS if a window is opened or a light is turned on during the owner's absence.

A Modern Home with Future-Oriented Technology

One example of applied self-powered technology is the home of the Weiler family near Stuttgart. The owners, a young married couple, wanted a house with an unusual structure with separate public and private areas. The building was also to have generously glazed façades and rooms and levels merging with one another.

In the domestic installations the owners also put aside the conventional and chose future-oriented technology. Underfloor heating is supported by a heat pump. In the summer cooling is also possible through the ventilation by a small air heat pump. When it came to the complex electrical installation the family opted for a system operated by self-powered wireless transmitters. This not only controls the numerous blinds with some 30 motors, but it also regulates the elaborate lighting system and heating through a wireless room sensor coupled with a receiver. Only the wall sockets are a conventional fitting.

The use of this technology enables flexible modern housing. An office can be easily reconfigured as a nursery because there are no cables that need to be laid differently.

An Investment That Pays Off

Automation systems based on self-powered wireless technology are highly advantageous for houses that have a large number of windows and blinds enabling reduced energy consumption whilst enhancing spatial efficiency and living comfort. Home owners can start off with a basic configuration and quite simply expand step by step with minimal effort and outlay as the need arises.

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James Latham

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James Latham's Moralt activity boosts PassivHaus plans

James Latham's range of Moralt door-blanks has become available from every Latham's site for the first time, with the company putting the investment down to demand for their unrivalled range of fire, acoustic and thermal doors. The increase in stock is a result of the greater demand for their Firesound doors, which are fire rated and feature excellent sound insulation. As an added boost, Latham's Moralt Klima door-blanks are turning the heads of Architects involved in PassivHaus projects and are increasingly being used in the construction of highly insulated, self-heating houses.

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New Steico UK website focuses on wood fibre

Easy guidance on insulation and construction solutions appears on the new UK website from Steico. www.steico.co.uk is for those working in the construction and refurbishment of buildings, where effective thermal and sound insulation need to match high spec construction. Steico flexible and rigid wood fibre products offer energy efficient solutions for walls, floors and roofs in both timber frame and brick and block constructions. Complementing its wood fibre products are Steicoultralam LVL, particle board flooring panels including Steicoweatherdek and the Steicojoist ijoist range.

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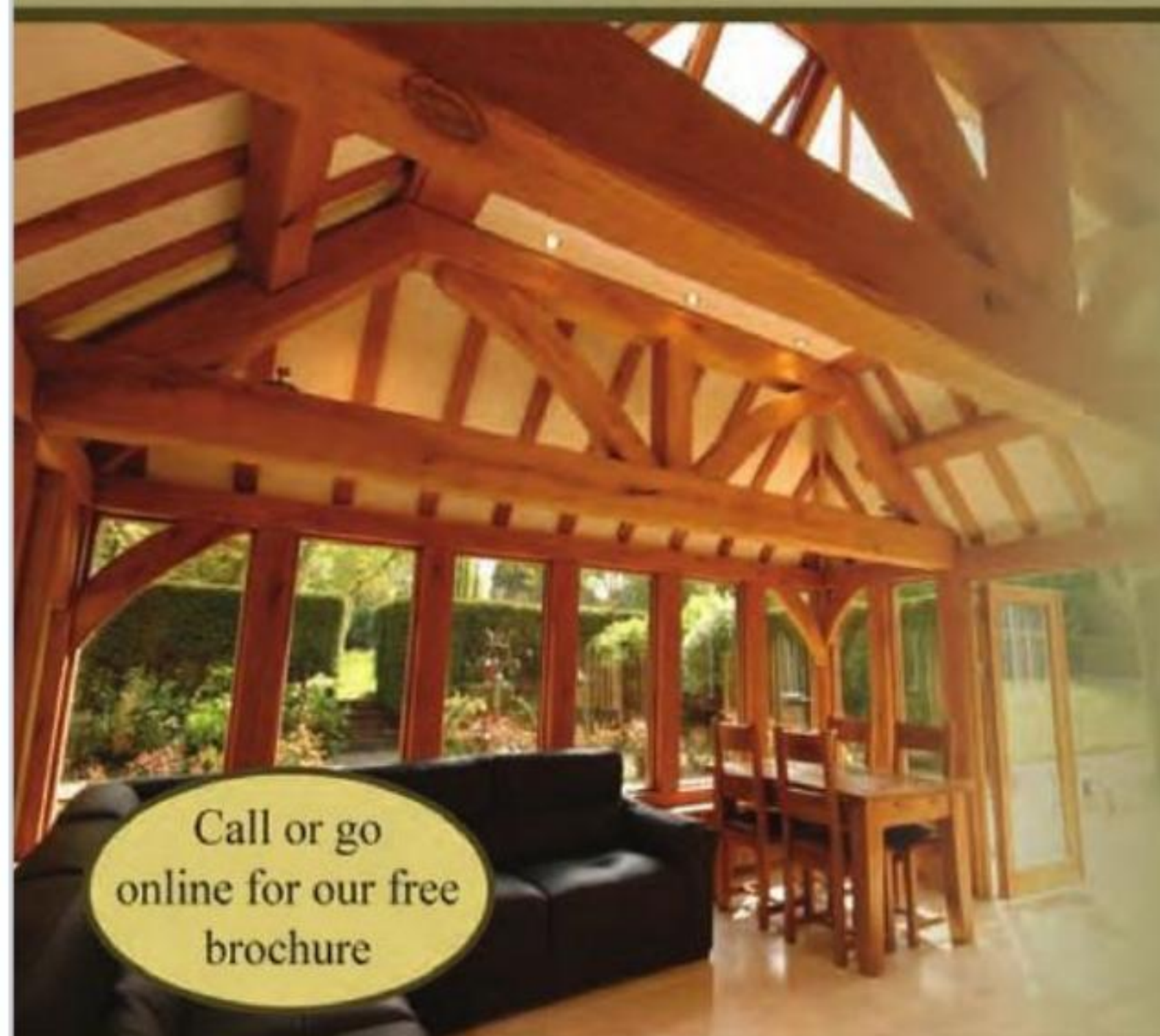
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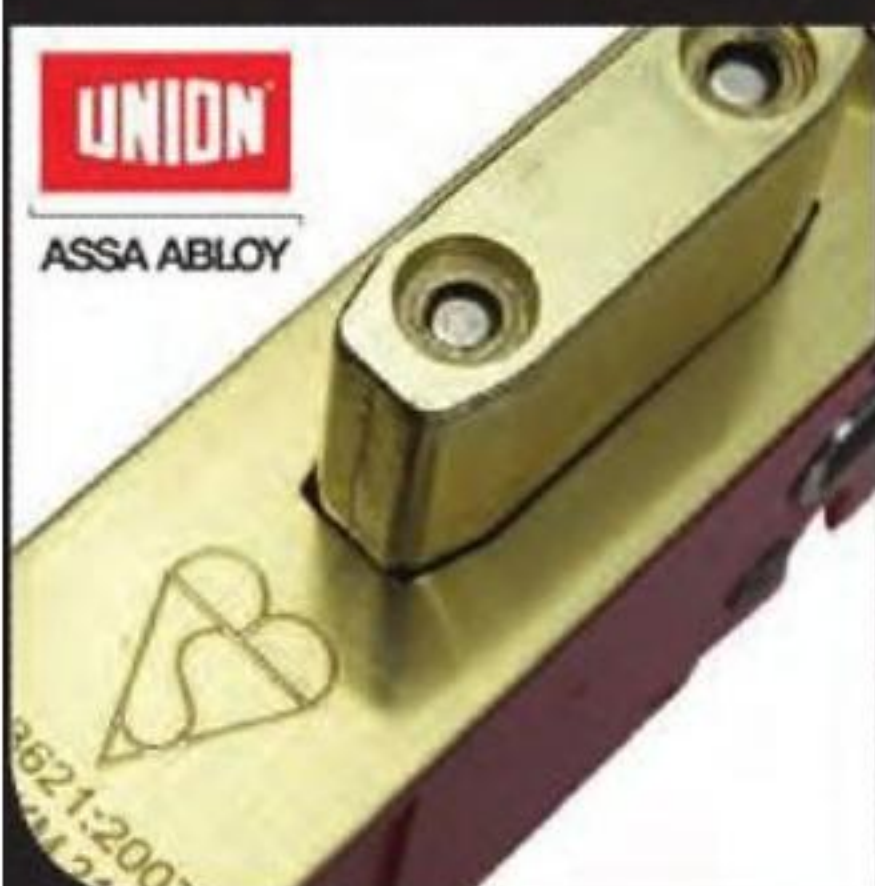
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