

selfbuilder & HOMEMAKER

Oct/Nov 2009

FEATURES WITHIN THIS ISSUE:

- Bathrooms & Showers
- Eco & Green Products
- Floors & Flooring (Including UFH)
- Groundworks & Sewage Treatment
- Roofing & Cladding

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Enquiry N° 101



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netMAGmedia Ltd

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

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Annual subscription costs just £48 for 12 issues, including post
and packing. Phone 01435 863500 for details. Individual copies
of the publication are available at £5.50 each inc p & p.

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Printed in England

Front Cover: Image supplied by Design & Materials Ltd.
See pg 16-17 for more information.

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3

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The Newhaven Towel Rail from JIS Europe



JIS Europe Ltd. recently introduced a new addition to the already extensive Sussex Range. The new rail is very different in appearance and use to the existing range and has the high standards of design and finish for which JIS is well known. The Newhaven Rail is very substantial at 480 x 520mm and the top part of the rail extends horizontally, giving a total

projection of 360mm. This provides a 'shelf', still heated of course, that is ideal for airing folded towels.

...searchable information archive at www.sbhonline.eu

Tel: 01444 831200

www.sussexrange.co.uk

Enquiry N° 103

Damp Bathrooms Throw in the Towel

Keep towels toasty whatever the weather with **Aeon's** stylish towel radiators in tactile stainless steel. Cat Ladder, made from brushed matt or polished mirror stainless steel, boasts pairs of horizontal flat bars for a new edge to your bathroom or en-suite. Available in a choice of five heights between 806mm and 1726mm, with outputs of 277 - 554 Watts, prices start at £335 (plus VAT).

...searchable information archive at www.sbhonline.eu

Tel: 01525 379505

www.aeon.uk.com

Enquiry N° 104



Solve Shower Drainage Problems

Now it's easy to put a beautiful shower in your en-suite where drainage is a problem. Dry-Deck 20, from **Whale Pumps**, is a trusted pump system designed specifically to solve shower drainage problems in modern wet rooms where gravity drainage is not an option. Dry-Deck 20 has many unique features to ensure a beautiful shower can be installed easily in ensuite or loft conversions. It can handle a maximum flow rate of 20 litres a minute which will cover most modern mixer and power showers.

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Tel: 028 9127 0531

www.whalepumps.com

Enquiry N° 105

New TMV for Pegler Yorkshire

The **Pegler Yorkshire Group** continues to invest in new technology, with several new product launches planned for this year, including a new Thermostatic Mixing Valve (TMV) range, backed by millions of pounds of investment in new machinery throughout the business. The new Pegler Yorkshire TMV's are branded under the Prestex name and

manufactured and assembled completely in the UK. Improving design and quality have been key drivers for the new product, while basing everything in Doncaster is also delivering environmental benefits too.

...searchable information archive at www.sbhonline.eu

Tel: 0870 1200 284

www.pegleryorkshire.co.uk

Enquiry N° 107



Ideal for Transforming Hallways and Bathrooms

Scumble Goosie Georgian style reeded panelling in sheet form. Made from high quality 9mm moisture-resitant MDF these boards are ideal for transforming hallways and bathrooms. The joint detailing is crucial to getting the right look with this type of product. Poor imitations of our famous panelling can now be found in most DIY stores but they usually have a very fake looking beading detail or, worse still, a 1970's style "V" Joint! They are also usually much thinner and made from inferior quality MDF. Fix to battens or if the walls are in good condition simply glue on using a product such as Gripfill adhesive. Finally, add a dado rail and skirting board to match your existing to complete the look.

Tel: 01453 731305 www.scumblegoosie.com

Enquiry N° 106

Sculptures Introduces the Mirror Effect



Roman announces its latest addition to its exclusive Sculptures range of enclosures; the chromed Jet Black Hinges and Handles. These exquisite black hinges and handles offer a truly unique and elegant touch to create a stunning enclosure. The Jet Black Hinges and Handles feature a mirrored

black chromed finish offering the ultimate in quality, precision and craftsmanship. These exclusively designed showering extras create a real style statement, especially for the fashion conscious.

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Enquiry N° 108



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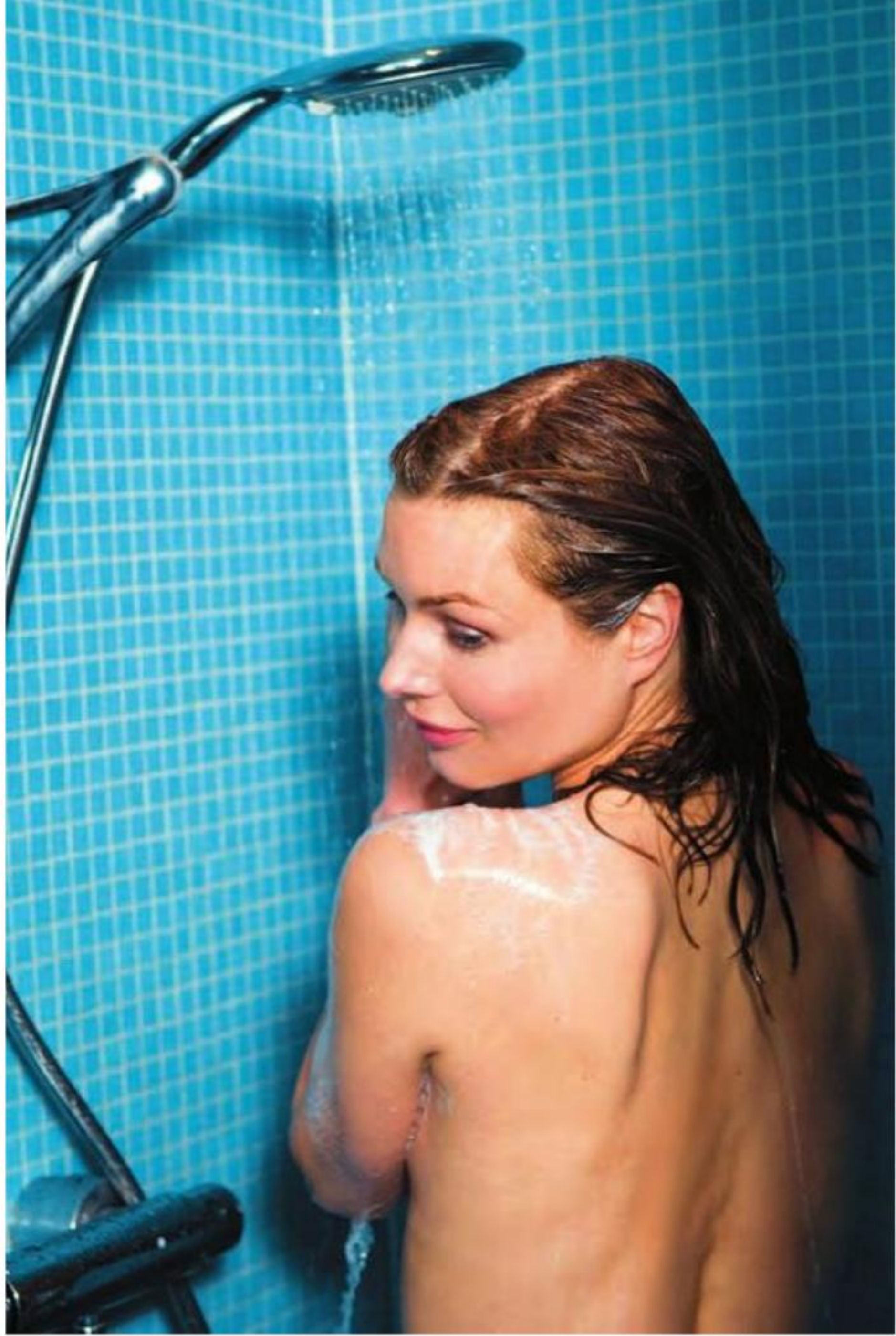
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Enquiry N° 109

aqua
systems



A Breath of Fresh Air

By Derek Guy, General Manager, Itho Ventilation.

As buildings need to be built tighter to the stringent Building Regulations, without proper ventilation bathrooms and showers will suffer from condensation and mould growth, which can affect the health of occupants. It is therefore vitally important to ensure that these rooms have sufficient ventilation. No longer can we advise occupants simply to open the window;

the correct ventilation needs to be calculated to meet Level 3 of the Code for Sustainable

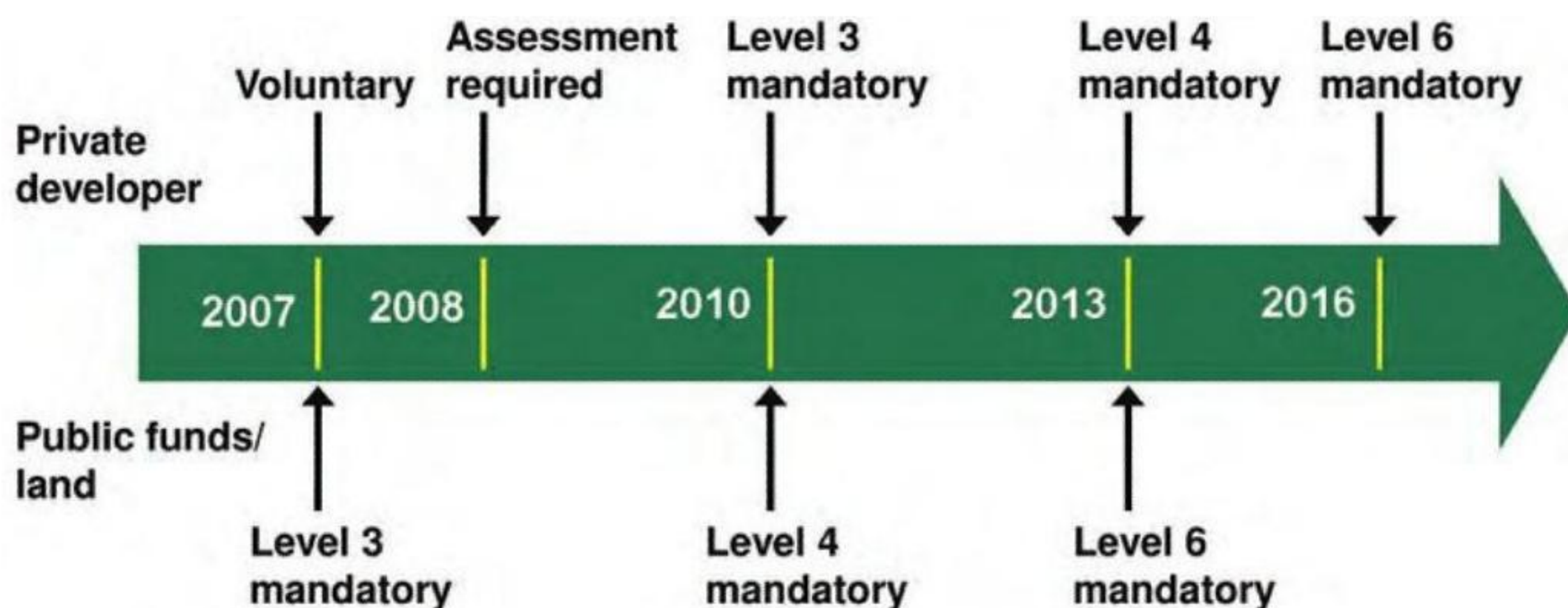
homes to have an energy performance certificate when they are sold, new properties will now also need to meet Level 3 of the Code.

It is envisaged that property developers working across both the public and private sectors will apply the higher public sector standards in their private sector projects at the same time, thus setting the trend for the industry to follow.

"The controlled ventilation system contributes to energy saving"

Homes that will become mandatory in April next year. Not being aware of the Code is no excuse. Just as it is mandatory for all new

However, traditional forms of ventilation will not meet our future needs. Standard extractor fans cannot offer the energy efficiency



performance required for the latter stages of the Code for Sustainable Homes route map, whilst opening windows causes expensively generated heat to escape and lets pollution and, often, unacceptable noise in.

In apartments and houses, for either new build or large-scale renovations, there is a fully automated demand controlled ventilation system that provides the

best possible air quality whilst generating maximum savings in energy without the occupier having to do a single thing for it. This innovative breathing dwelling concept is based on CO₂ measurements in every room, both wet rooms and habitable rooms. With its sensor driven control, it balances the air requirements within the building by boosting the extract rate in particular rooms as occupancy levels in those rooms rise, helping to maintain a clean and healthy environment.

have to calculate the amounts of air extracted from the bathroom, toilet, kitchen, utility, bedrooms and the living room. For the installation for such systems a ventilation calculation has to be made. This is needed for the duct design, determining the necessary number of units, determining the number and type of extraction and supply components, and determining the distance between the ventilation extract and the fresh air supply.

One of the main features of the demand controlled ventilation

"The system recycles heat, whilst filtering in fresh air"

For particular use in extracting warm moist air from bathrooms and showers, the system recycles this heat, whilst filtering in fresh air. The amount of air that is extracted from the bathroom is determined by the percentage of relative humidity (RH) in that room in combination with the temperature and/or level of contamination (CO₂). In addition to the CO₂ sensors, this system also has humidity sensors for two wet rooms, so a maximum of two bathrooms can be connected to the central extract ventilation system.

To comply with current government regulations, all standards and legislation have to be taken into account in designing the ventilation system. In particular the rules relating to ventilation capacities are highly important. Regarding the ducts, the designers

system is the substantial contribution it makes in terms of energy saving. This is achieved by using an Appendix Q Eligible direct current (DC) ventilation unit and by ventilating only when and where ventilation is required. This considerably reduces the loss in heat associated with standard whole house mechanical ventilation systems.

This system can be installed even at late design stages of a project, as the extraction points are easy to relocate. The demand controlled ventilation system has been designed using 80mm diameter semi-rigid aluminium or 110mm x 54mm Modular plastic ducting throughout, therefore making the routing of ducts easier to facilitate.

Easy to install, the system is also easy to maintain, and after installation by a qualified installer, is instantly ready to operate.



Enquiry N° 110

Abode Rapture

The **Abode** Rapture range of distinctive bathroom taps and showers offers the very best contemporary styling in this unique and stunning design.

Smooth curves and flat planate expanses are the very essence of this product range. Cool to the touch and easy on the eye this Rapture four piece bath filler with shower and diverter offers the very latest in design-led styling with low pressure functionality and is ideal for new build or refurbishment projects.

...searchable information archive at www.sbhonline.eu

Tel: 01226 283434

www.abode.eu



Enquiry N° 111

Frontguard Stylish Front Door Range



Garador, famous for its high quality range of affordable quality garage doors, is now offering a range of stunning front doors. The FrontGuard range is available in both steel and aluminium with panel designs in both classic and modern styles, so appealing to all tastes. They are also available with a choice of either timber or aluminium frames. All door leaves

in the FrontGuard series are 46 mm thick and have CFC-free PU foam infill. This achieves excellent insulation with U-values up to 1.1 W/m²K and therefore a corresponding energy saving effect.

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Tel: 01935 443722

www.garador.co.uk

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www.jbkind.com



Enquiry N° 114

Hörmann Has its Finger on Home Security

The thirty percent of people who regularly lose or misplace their keys can now relax thanks to **Hörmann UK** which has taken home security to a new level by introducing radio finger scan access to homes and garages. David Newcombe Hörmann UK sales director domestic division and marketing manager comments ; "At last people don't have to worry about carrying around cumbersome keys when they go shopping or for a night out, the most common ways of people losing keys, as they can be confident that they can gain safe and secure access to their homes."



...searchable information archive at www.sbhonline.eu

Tel: 0800 0837216
www.hormann.co.uk

Enquiry N° 115

LPD Launches New Brochure and Mini Guide



LPD has launched a comprehensive new brochure and compact mini guide. Presenting the extensive collection of contemporary and traditional styles with inspiring lifestyle photography, this latest literature also strongly promotes LPD's ethos of delivering 'more than just the door' to its valued network of independent distributors. Both the new main

brochure and mini guide feature LPD's complete offering of interior doors, from contemporary to traditional, including its highly successful pre-finished Supermodels designer collection, and a substantially expanded range of external doors which are targeted towards today's consumers.

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Tel: 0113 2715151
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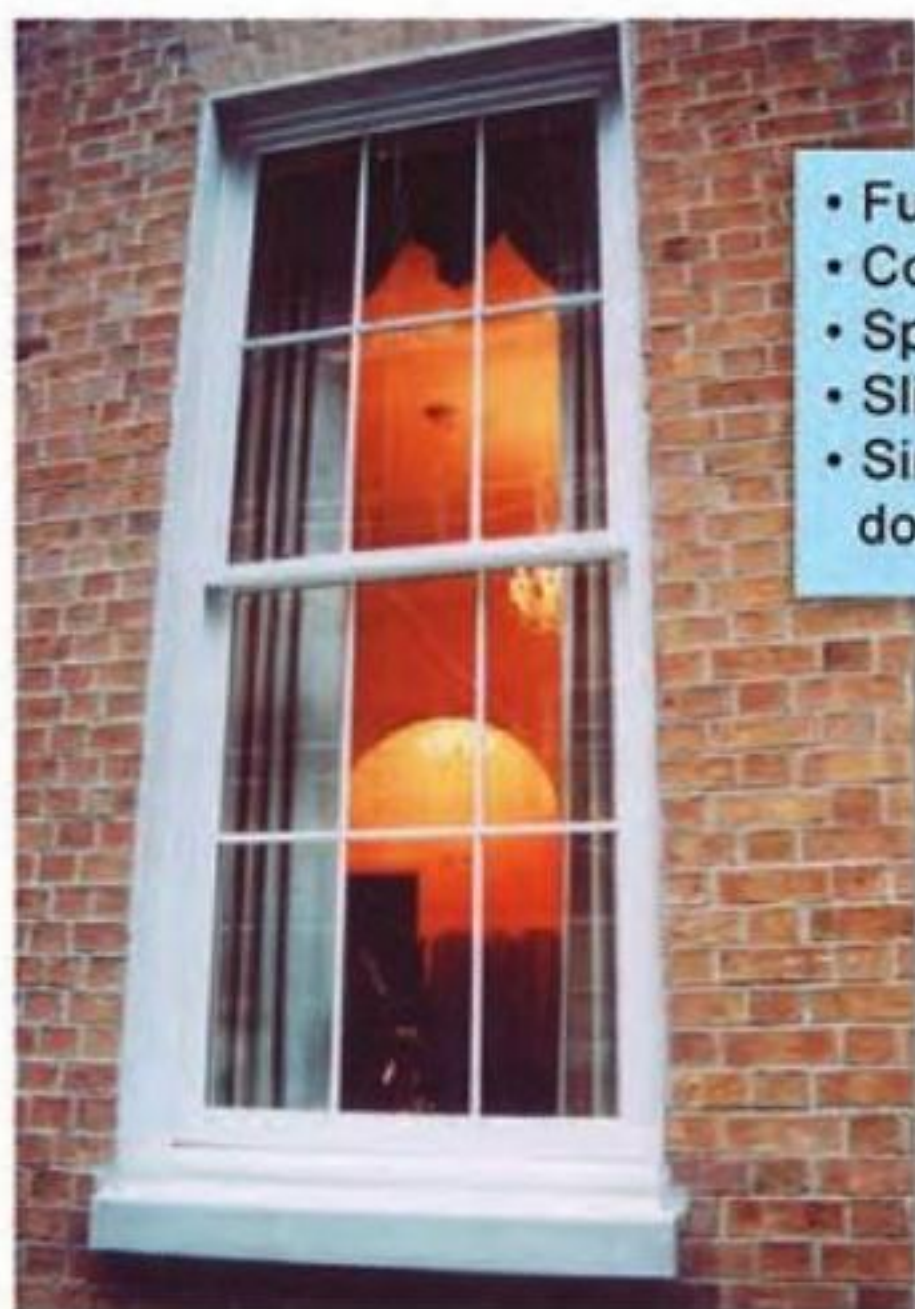
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Enquiry N° 118

product sa02 - Design: Romano Adolini



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9



Folding Sliding Doors



Sliding Doors



Roofs



Winter Gardens

Make room to breathe

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www.i-d-systems.co.uk

Enquiry N° 121

IDSystems
GLASS INNOVATIONS

Contemporary Living with Solarlux

Create a contemporary, exciting, light filled living space with a **Solarlux** Wintergarden coupled with our thermally broken sliding/folding doors, which eliminate the barriers between inside and out. The doors are made in triple laminated timber or aluminium and have excellent pascal ratings, high security and high performance glazing too. The Solarlux Wintergarden definitely creates the wow factor.



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Tel: 01924 204444

www.solarlux.co.uk

Enquiry N° 122

Friendly, Highly Professional Approach



A family run business going by the name of **The Alpha Sash Window Company** has been established for over a decade in the market town of Rugby, Warwickshire. This small tight knit company specialise in the renovation and manufacture of traditional wooden sash windows. The Company's Managing Director is Keith Enticott

aim to provide a friendly, yet highly professional approach to providing a quality service to their customers. Whether you live in a small terraced townhouse or a grand detached abode, The Alpha Sash Window Company are happy to assist with your requirements.

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Tel: 01788 571800

www.alphasash.co.uk

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Enquiry N° 124



This glazing looks simple, but it was managed by four different suppliers

Do You Make Mistakes When You Search for a Glass Extension?

For the first time the expert who enables savvy selfbuilders to use proven bespoke glazing solutions, discusses the only step required to enhance your home beautifully, for less.

By Marcin Synowiec, Architect

Did you know that not all aluminium glazing suppliers are the same?

Yes, it's true. Some companies only understand folding patio doors that feature innovative sliding mechanisms, while others understand not only this, but also many proven systems that can give the exterior of your home an extra edge.

Are you building a new, modern house or are you looking to create a bright, high-impact glass extension? Either way, you should employ a supplier who uses the latest German thermally broken aluminium systems applied in the building industry.

Why? The answer is simple: these new technologies can be utilised to reduce the time, effort and money put into your project by 35% in the space of just six weeks! That's the good news.

The bad news is that there are only three companies within the UK who use these resources and there is only one supplier focussed on residential developments: Ironson Ltd. Therefore, if you want to discover the benefits of our bespoke aluminium glazing solutions, get in touch.

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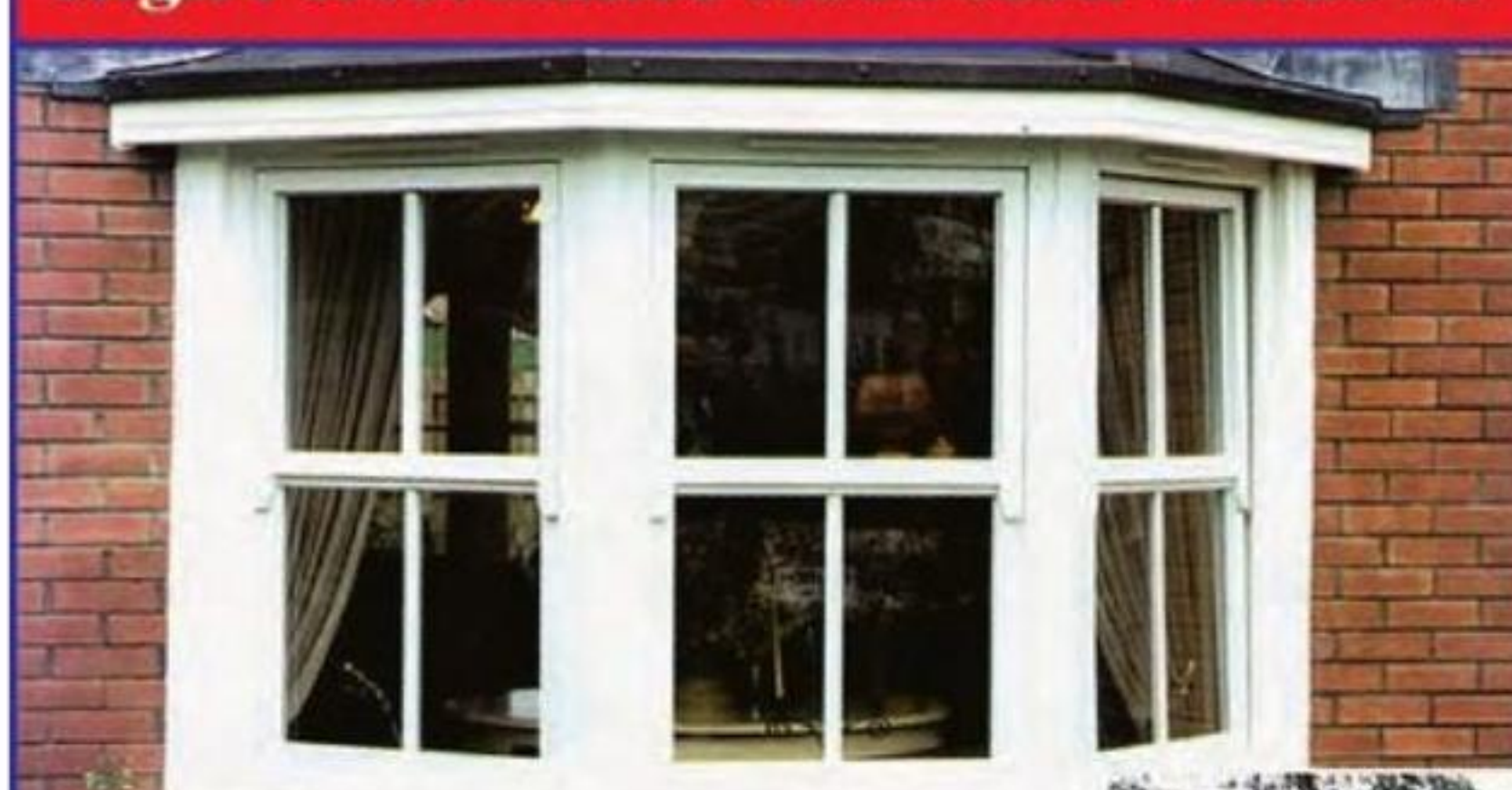


Durable aluminium systems with 5 years guarantee

Enquiry N° 125



High Performance Mock Sash Windows



Already the preferred choice of one of Scotland's leading housebuilders, the unique mock sash window from BLW combines traditional styling with the latest in window technology

- from BLW



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Tel: 01576 203595 Fax: 01576 202276

SHEERFRAME

BLW IS AN APPROVED SHEERFRAME WINDOWMAKER

Enquiry N° 126

'Windows Scrappage Scheme' Petition

The **Glass & Glazing**

Federation (GGF) has petitioned the government to introduce a scrappage scheme, whereby householders are encouraged to scrap their old poorly insulated windows in return for a £1,000 grant towards the installation of new, professionally installed, energy efficient ones. The petition has been set up through the ePetition Scheme on the Official website of the Prime Minister's Office at www.number10.gov.uk and is available at: <http://petitions.number10.gov.uk/windowscrappage/>. Consumers would save £1,000 and enjoy a facelift to their homes, along with lower fuel bills and more energy efficient homes.

...searchable information archive at www.sbhoneonline.eu

Tel: 0870 042 4255

www.ggf.org.uk



Glass and Glazing Federation

Enquiry N° 127

The 'Excelsior' Bath From Taylor's Etc



A modern twist on traditional bathing, the 'Excelsior' bath from award winning showroom, **Taylor's Etc**, is now available for purchase at any one of the company's showrooms; Cardiff, Swansea or Narberth. The 'Excelsior' bath fuses both contemporary and traditional interior styles

perfectly, making it a highly versatile option. While the curvaceous roll-top form lends well to luxury period style bathrooms, two interesting finishes make for a bold and beautiful bath that ticks all the latest trend boxes. This grand, statement piece tub is perfect for replicating the style of a luxury five star boutique hotel.

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Enquiry N° 128



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Helping the Public to 'Improve, Not Move'



In the current climate, many organisations are urging consumers to improve their home instead of trying to buy a new house. **BuilderScrap.com** is a new environmental business which could help people to do just that. BuilderScrap.com is a free website launched by a

Wirral based construction company in October 2008. Although initially designed for the construction industry, BuilderScrap have found that members of the public have shown an interest in the site for self build and refurbishment projects.

...searchable information archive at www.sbhonline.eu

Tel: 0844 225 3000

www.builderscrap.com

Enquiry N° 130

Steico Launches New CE / FSC Lumber

A new CE marked and FSC certified, high strength engineered timber option for loadbearing applications in housing, commercial and industrial constructions is now available in the UK from **Steico Limited**.

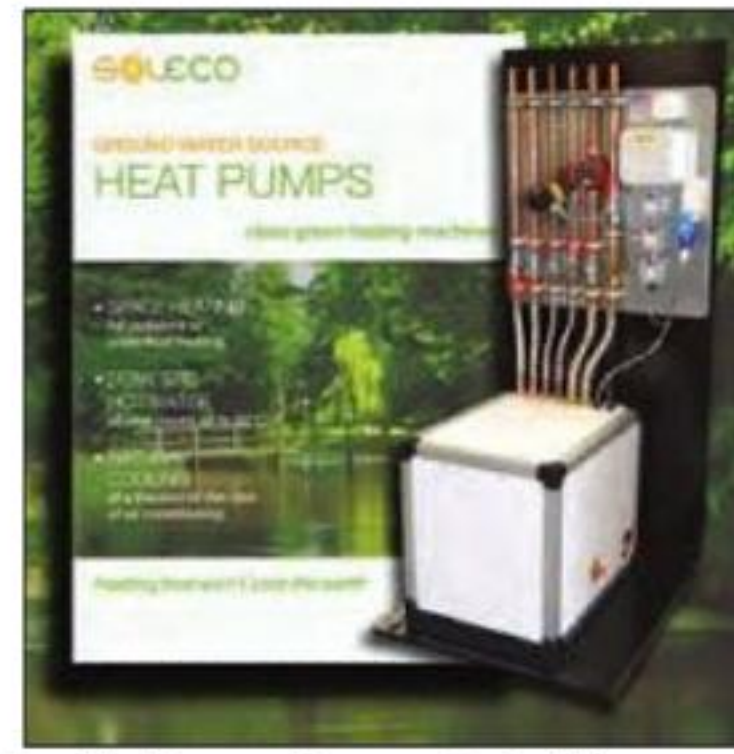
Steicoultralam laminated veneer lumber (LVL) is CE certified to EN 14374 standards including bending strength, compression strength and bending stiffness, all key indicators for roof beam and support applications. Highly rigid Steicoultralam typically suits loadbearing applications such as main beams, flush beams, ceiling beams, rim boards, sole plates, top plates or lintels and door products.

...searchable information archive at www.sbhonline.eu

Tel: 01634 733220

www.steico.com

Enquiry N° 131



Celebrating 30 Years & Committed to Growth

Whilst celebrating the company's 30th year in designing and manufacturing heat pumps, **TES Ltd** (Thermal Engineering Systems) of Uffculme, Devon is underscoring its commitment to growth by expanding its national network coverage. With the growing interest in green alternative energy sources, TES believes it is the ideal time to maximise its opportunities within a rapidly expanding market. TES' drive to expand its nationwide network of partners will help to ensure appropriate solutions for heat pump installation across the UK. All partners have the benefit of free, accredited training.

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Enquiry N° 132

Vantage Eco-Timber Windows & Doors

Vantage Window Systems Ltd has launched a new range of timber windows and doors. Made in the UK from engineered softwood, Sapele hardwood, Idigbo hardwood and Oak, all frames are supplied, factory-finished and glazed. All windows come with a 30 year guarantee against fungal decay and 10 year guarantee on the glass and paint finishes. They are currently looking for companies interested in promoting and installing their range of EcoTimber products and will offer: a dedicated support team, leads, training and marketing support.

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Tel: 0845 224 8592

www.vantage-ecowindow.co.uk

Enquiry N° 133



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NATURAL HOMES, ORGANIC LIVING





Eco & Green

By:- Tom Somerville BA (Hons) ARIAS Chartered Architect,
Design & Materials Ltd.

From zero carbon to energy efficiency, environmental issues are not only front-page news but are increasingly mandatory considerations within the planning application process and building regulations.

Sustainability

The key word is sustainability and the

Government has issued a detailed document entitled Code for Sustainable Homes, which gives a step by step guide to designing and building self sustaining, low carbon homes. In brief the document sets out design principles and includes categories such as energy/CO₂, pollution, materials and water use. The code uses a star rating system to determine the overall sustainability performance of a new

home starting with one star and rising to six stars. In simple language one star equates to a 10% improvement on the energy standards of the current Building Regulations and six



stars represents a 'zero carbon' home.

There is a wide and complex range of options open to the self builder to achieve a high rating. Calculating the rating is not a task for the layman and has to be carried out by a qualified, independent Energy Consultant. One such consultant is Simon Bovington who has 30 years experience of the energy conservation industry. Simon says, "In the Code the Government sets out 9 principle categories of sustainability to consider. Each category has a part to play. For anyone building their own home however the most important areas in my opinion are design and specification. Good design lays the foundations for a self sustaining home and should consider key

these being open fires, very large areas of glazing, mechanical ventilation systems, air conditioning units and swimming pools".

We have analysed the ratings for homes we recently designed for clients and typically they have achieved a rating of 3 stars on the sustainability scale. These ratings were principally achieved through intelligent thoughtful design and careful choice of materials and do not include additional eco features such as heat pumps, solar panels, triple glazing or bio-mass boilers. Should you wish to incorporate any or all of these features in your new home then you can achieve a higher star rating.

The old adage that choice is the very essence of self build is particularly appropriate when considering how self sustaining,



factors such as the shape of the building, its orientation on the site in relation to the North point, the layout of the principle rooms and the use of glazing for solar gain. The materials you use are also vitally important in terms of reducing heat loss and the storage of heat gained within the structure. There is a wide range of green products you can incorporate into your new home. My advice would be to at least investigate heat pumps, bio-mass boilers, solar panels, triple glazing and photovoltaic technology. It is worth bearing in mind that certain design features actually lose you points in the star rating system, the worst of

low carbon and green you want your new home to be. By using good design and careful selection of materials you can build an energy efficient home within the current regulations. Perhaps more importantly within the recognised average build cost bands. If your conscience is telling you to build greener or you want to invest in higher levels of self sustainability or both, then building your own home offers you that unique opportunity. These choices will have costs attached to them so you should ensure that you are in full control of these to be able to make informed decisions.

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www.futureenergy.co.uk

Enquiry N° 140

Enquiry N° 141

Keymer Achieves Certification

It is with pride that **Keymer** has recently attained certification to the ISO 14001:2004 internationally accepted standard of environmental management. This is the result of its commitment to producing and distributing environmentally friendly hand made clay roof tiles. It means that Keymer's customers can be at ease when using their products, as they are assured to the highest eco-friendly standard. Now that the company has been awarded the certification of excellence in Environmental Management it can focus on the next four hundred years of successfully producing high quality craft tiles to the greenest standards.

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Tel: 01444 232931

www.keymer.co.uk

Enquiry N° 142



Ecora Launches New VOC-Free Paint Range

When choosing paint, people look for a wide choice of colours, quality and price, but few are aware of the chemical composition and impact it will have on the environment and the air quality in their homes. **Ecora** continues its commitment to providing customers with sustainable and ecologically friendly products and has recently launched a new range of child-safe, eco-friendly and completely VOC-free paint. The carefully selected range of 144 colours comes in three different finishes and is available to purchase online.

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Tel: 020 7148 5265

www.ecora.co.uk

Enquiry N° 143

Voltage Optimisation Now Available

For the first time ever, homeowners can now reap the benefits of voltage optimisation, which delivers immediate and significant money and energy savings across the whole home, without compromising their quality of living. The low-cost **VPhase** unit, which has been developed by VPhase plc, part of Energetix Group, in conjunction with Liverpool University, is now in mass production for homeowners and SMEs and is being supported by a nationwide consumer awareness campaign. The new smart technology uses voltage optimisation technology to reduce the incoming voltage and manage it to a stable level, normally 220V in the UK.

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www.vphase.com

Enquiry N° 145



Exactly What the Trade was Waiting For!



The newest product to be launched by **Everbuild** is Exact Gap Minimal Expanding Foam. Featured heavily in the new Everbuild catalogue, Exact Gap Foam does exactly as its name suggests; it fills gaps exactly! There is an ongoing demand for foam with minimal expansion which has been fuelled by local authorities keen to reduce the amount of excess foam that is cut off once cured, and that inevitably gets blown away in the wind, causing litter. There is also the additional problem of the excess foam damaging / staining the surrounding substrates. Therefore the launch of Exact Gap Foam, exactly meets this demand in the market place. Exact Gap Foam is available in 750ml canisters, and shortly, a smaller 500ml canister.

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Enquiry N° 144



heating & renewable energy supplement



Enquiry N° 301

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Wood - The Sustainable Source of Energy

Burning oil, gas and coal is like spending the earth's savings and it's changing our climate. Wood fuel is different. It is a renewable, sustainable source of energy that helps reduce greenhouse gas emissions, while providing energy independence.

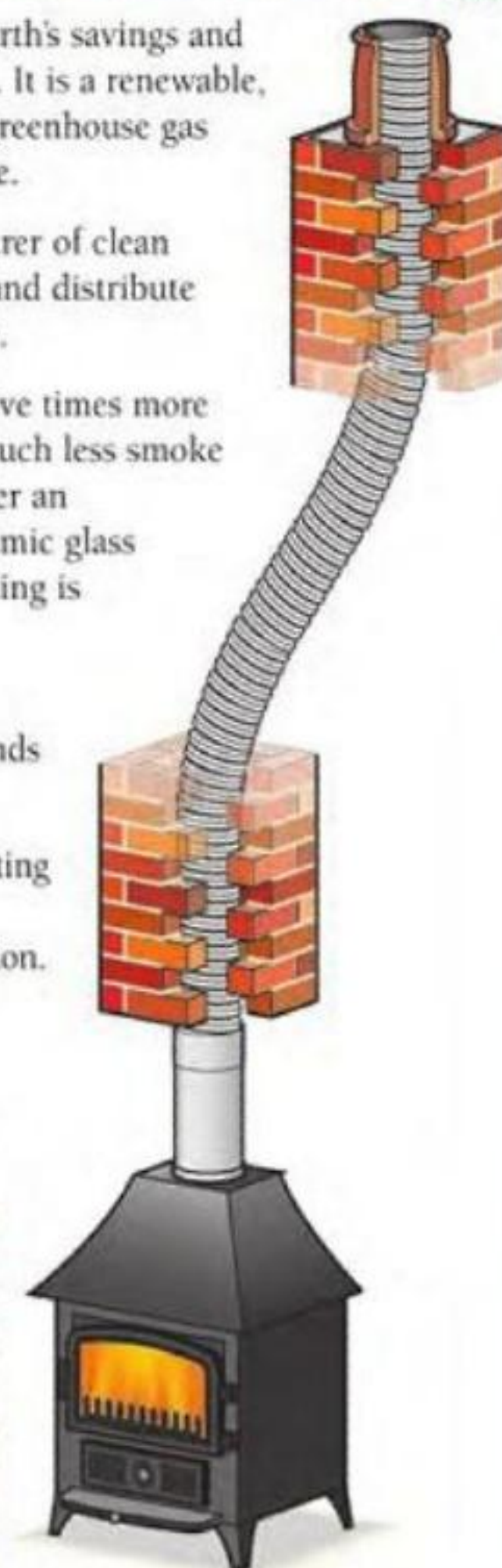
Clearview Stoves are the UK's largest manufacturer of clean burning wood stoves. We design, manufacture and distribute from our ten acre site in the heart of Shropshire.

Our stoves are very easy to light, can produce five times more heat than the same fuel on an open fire, with much less smoke and burn for long periods unattended. They offer an exceptionally large view of the fire through ceramic glass windows, burn so efficiently that frequent cleaning is unnecessary and are a pure joy to use.

Our installation and product knowledge is unequalled in the industry and we have thousands of accessories and flue components in stock.

Whether you are building a new house or renovating an old one we offer all that is necessary for an environmentally friendly and trouble free installation.

Clearview Stoves - The complete solution



Enquiry N° 302

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Enquiry N° 303

Heating & Renewable Energy Supplement



Enquiry N° 306

A brand new competitively priced electric designer radiator has been unveiled by **Agadon**. The P1 combines premium quality with competitive pricing; at just £325 + VAT it is half the price of comparable products. It is high on style and, whilst it is aimed at houses and flats which have been built and designed for electric heating systems, it will brighten up as well as heat up any area of a home simply by plugging into a nearby wall socket. Manufactured in two sizes, 1800 x 370 and 1800 x 520, these sleek radiators are readily available in white, anthracite and silver with the option of almost any colour being supplied to order. The smaller of the two radiators is rated at 600 watts while the larger one consumes 900 watts. The radiators are pre-filled and fitted with an element that has an automatic heat cut-out.

AEL have one of the largest stocks of high quality but low price radiators and valves in the UK. We have a very friendly sales team based in our Cheshire head office who will assist you with any queries you may have whether it is technical or a general enquiry. **AEL** cast iron radiators (often referred to as school or victorian radiators) come in five styles that add that special warmth that only genuine cast iron can give. **AEL** steel radiators are aesthetically pleasing as well as being very robust in design. They come in four styles and many heights, depths and lengths and have proved to be a popular heating solution. **AEL** aluminium radiators are highly efficient, look great and provide almost twice as much heat from a similar size steel radiator.



Enquiry N° 307



Enquiry N° 326

We should all be entitled to keep ourselves warm but at what cost? **Warmworld** have always had the answer but things are now more serious than ever before, it would seem that the only way is up... for fuel prices anyway. Warmworld's flagship product, Dataterm IHC, can seriously reduce your fuel bill whatever the size of your home and it pays for itself into the bargain. With the average fuel bill being 4 figures for most of us it is easy to see that Dataterm will easily pay for itself in the first 12-18 months with fuel savings on average being 25%. Dataterm is suitable for all types of property whether its domestic or commercial, the larger the fuel bill the greater the savings.

Why restrict the use of floor heating to specific rooms and areas?

Electric under floor heating can be installed everywhere in the building. **Ebeco** produces floor heating systems that are suitable for all situations and floor types.

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Enquiry N° 327

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Enquiry N° 304

JANUS Stoves



Dutch-manufactured, the JANUS wood-burning stove range boasts large glass panes in their doors to give an excellent view of the fire. The high-output 6, 9, 12 and 14 kW models feature cleanburn technology together with air-washed doors that keep the glass clean. These doors are also hermetically-sealed, to ensure that a JANUS woodstove can be left to burn slowly through the night. For more information contact **Julian Lloyd** on 01527 857814



**Foster House, 2 Redditch Road
Studley, Warwickshire, B80 7AX**
sales@janusstoves.co.uk

Enquiry N° 305

Enquire via:



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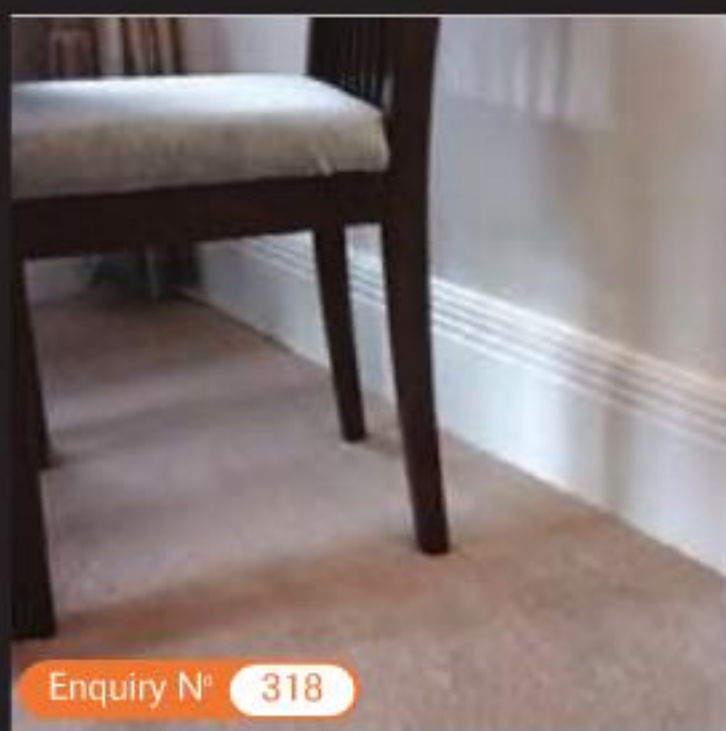
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S3

Heating & Renewable Energy Supplement



Enquiry N° 318

ThermaSkirt, from **DiscreteHeat**, conveniently combines the radiators into a neat and energy efficient skirting board that heats the room from all sides and from low level, just like under floor heating but without the installation nightmares and slow response time. ThermaSkirt can connect just like a radiator onto an existing central heating system, and may also allow the installation of renewable energy sources such as solar and heat pumps to be used where other wise they may not be practical. ThermaSkirt has been independently tested and proven to be at least 13% more efficient than conventional radiators. Available in a range of finishes and profiles, ThermaSkirt provides an affordable alternative to under floor and a space saving alternative to radiators.

Wood – The Sustainable Source of Energy.

Clearview Stoves are one of the largest manufacturers of clean burning wood stoves. They design, manufacture and distribute from the heart of Shropshire. Their stoves are very easy to light, produce five times more heat from the same fuel as an open fire, with much less smoke, and burn for long periods unattended with an exceptionally large view of the fire. They are a joy to use and burn so efficiently that frequent cleaning is unnecessary. It is not unusual to be told by Clearview's many users that it's the best thing they ever bought for the home.



Enquiry N° 302



Enquiry N° 345

Many years of experience of burning wood and other solid fuels have proved to benefit **Jetmaster Fires** introductory offer in the closed inset stove market. After relentless market research and a demanding list of must requirements, designers at Jetmaster have introduced the Inset stove range simply called the 18i, 60i and the larger 70i. Efficiencies of up to 84% can be expected, with clean burning technology too, with a CO2 measurement of 0.25%. It is expected that the fires will be available for no smoke zones. Other features include an option to take the combustion air from outside if further efficiencies are required. A 1" air curtain that ensures clear glass during use.

Everybody loves an open fire, but they are usually very inefficient. Tortoise convector fires, from **Flamewave Fires**, are much more efficient than a normal open fire and their 'box within a box' construction gives a more even spread of warmth through the room. What's more, they will usually stop any smoking back into the room. We offer a wide range of inset or freestanding models in contemporary and traditional styles. We also have an exclusive made-to-measure service where altering an existing fireplace is not an option or where a specific look is required. Tortoise convectors... the acceptable face of open fires



Enquiry N° 330

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Enquiry N° 306



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Linear Planrads



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Detailed drawings of AEL radiators and valves in a CAD drawing format that is also compatible with AUTOCAD is available on digital disc or via www.aelheating.com
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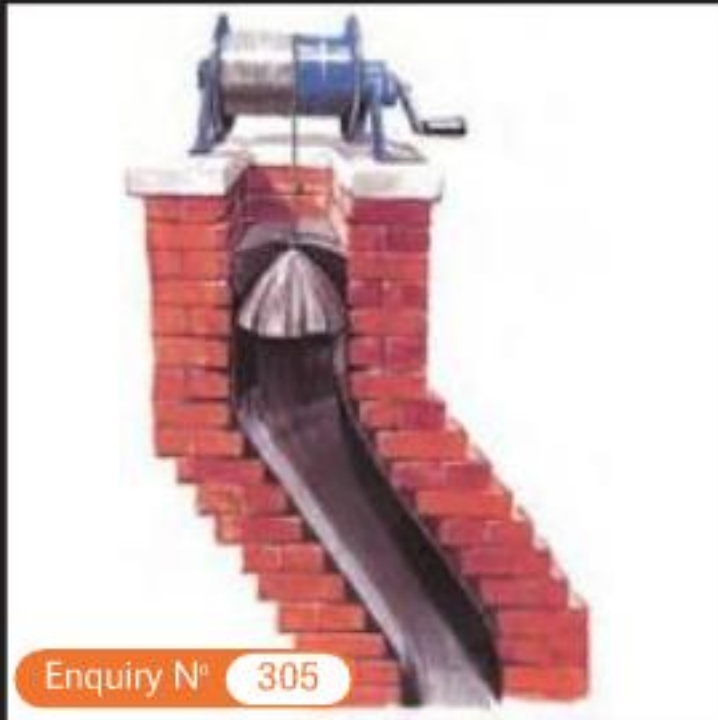
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Enquiry N° 307



Heating & Renewable Energy Supplement



Enquiry N° 305

Many chimneys in older social housing developments now need relining as they will have suffered damage over the years. The Eldfast lining system, from **Landy Vent**, returns the flue to full working order by lining the chimney from within, without the need to break into the flue. This prevents dangerous leaks of flue gasses in the future. Eldfast lines leaking flues and is suitable for use with all types of fuel. Because it lines the flue to Class I standards it can be used on flues serving fires or stoves. It is particularly useful where flues are narrow and conventional in-situ lining systems would lead to excessive narrowing of the flue way. Eldfast is applied from the chimney top. Correctly installed it is leak-proof, fireproof, hard wearing and often improves flue draw.

Being able to remotely control your heating system is a very useful thing for many people. The Hometronic system is manufactured by Honeywell and is now available in the UK and Ireland from **Sensible Heat**. This proven system uses robust patented wireless technology in some unique ways. The Radiator Controller, for instance, allows a radiator-based heating system to be split into multiple zones without any wiring, and without any plumbing changes. All forms of heating can be controlled, along with cooling systems. Blinds and curtains can be controlled, along with sun awnings; operation can be linked to wind, light and temperature sensors, giving automatic control over solar heating and lighting of the property-another "green" feature.



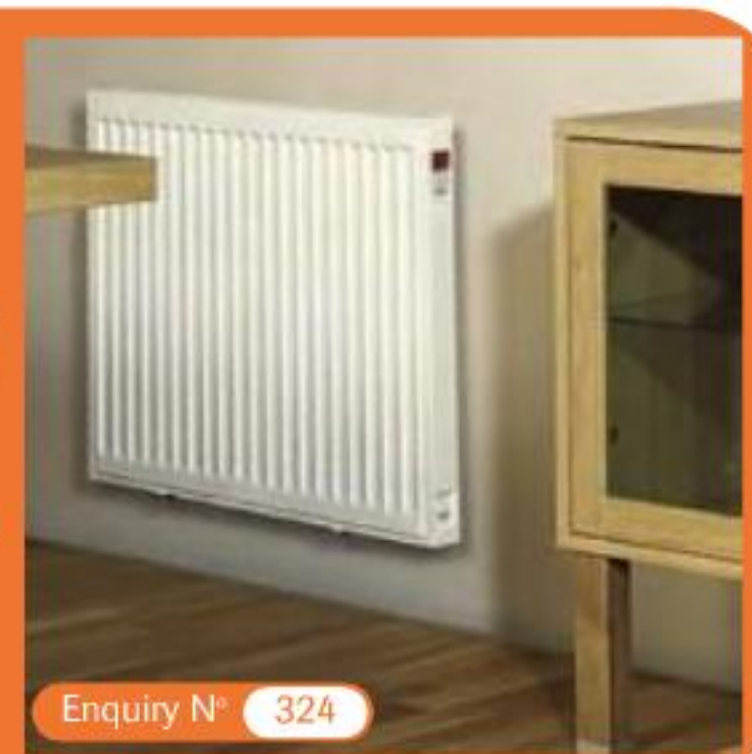
Enquiry N° 332



Enquiry N° 301

Designed and hand-built in the UK, 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.

The key to energy efficiency and economy in heating systems is controllability. Each Digi-Line electric radiator, from **Electrorad**, has an integral digital thermostat capable of maintaining a set room temperature within $\pm 0.1^\circ\text{C}$. Optionally, the system can be centrally controlled by radio frequency whereby the system programming is done on PC using the supplied software and the settings sent to a USB hub / transmitter. The USB hub can then be disconnected from the PC and will continue to send the signals to the system. Each room can be set to a different temperature and operating time if required. The software also includes 'smart metering' which enables the user to see exactly how much energy each radiator has been using and at what cost.



Enquiry N° 324

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- Electric version available in heights of 380mm-680mm, outputs ranging from 550-2000 Watts
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Enquiry N° 309

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S5

Innovation as Standard

Ideal Boilers has launched its most innovative combination boiler since it pioneered high efficiency technology in the UK. The brand new Logic range delivers optimum performance; easy specification and installation; ease of use and the highest levels of reliability. The SEDBUK A-rated Logic Combi and Logic + boilers are completely new. Every aspect of the boiler has been engineered in response to installer demands and comprehensive field trials to provide class leading, simple design. Among the innovations are a lightweight monobloc aluminium heat exchanger with minimum seals and a wide system tolerance.

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www.idealboilers.com



Enquiry N° 310



Incredible New Wilo-Stratos PICO

Wilo UK has launched the incredible new Wilo-Stratos PICO high efficiency small circulator pump into the UK marketplace. The latest in the family of high efficiency 'A' rated small circulators, the PICO is right at the top of the class when it comes to energy efficiency savings with an average annual electricity consumption of just 46.5 kWh for a typical home. According to standard Europump Commitment measuring procedures, when it comes to electricity consumption, PICO is more efficient than any other A class pump you can buy.

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Tel: 01283 523 000

www.wilo.co.uk

Enquiry N° 311

Complete Renewables Solution Launched

Ideal Boilers has launched 'Ideal Renewable Solutions', a new renewables package providing air source, ground source and solar options for domestic installations. These latest products complement Ideal's range of high efficiency condensing boilers and see the company offering one of the UK's most comprehensive domestic heating ranges. Two new products are launched as part of the new renewables offer: 'Ideal GroundTherm' ground source heat pump and 'Ideal AirTherm' air source heat pump.

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Tel: 01709 578 950

www.idealboilers.com



Enquiry N° 312

DRU Launches New Collection of Fires



DRU is one of Europe's largest producers of glass fronted, contemporary fires. It has launched a new selection of gas and electric models for Autumn/Winter 2009. Cosmo models have 'wow' factor in abundance and are not fires for the faint-hearted. The new DRU

'Global' fires are in a mid price range and designed for homes with a standard-size chimney. DRU has revamped two of its most popular balanced flue gas fires that are totally frameless with no discernible outline, giving an uninterrupted view of the authentic log fire displays.

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www.drufire.co.uk

Enquiry N° 313

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- SAP energy calculations including EPC on completion
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- Everything to do with energy and houses.

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Tel: 0118 988 7179

www.selfbuilderandenergy.co.uk

Enquiry N° 314



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 technological change within the heating sector. We offer a range of stoves and central

heating boilers that provide a heating solution to suit all tastes. Contact us to find out more on our range of products from traditional stoves to award winning contemporary wood burning fires or visit our website.

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Tel: 01308 427234

www.arada.uk.com

Enquiry N° 315

Oval Radiators

For style and beauty to suit all environments, Oval radiators, from **KV Radiators**, are the definitive choice. Providing high outputs and offering variable sizes, the Oval radiator does not compromise looks for functionality. The Oval can be supplied polished or painted in most RAL colours in a satin or gloss finish. This beautiful radiator can also be supplied with an electric element for an all electric or dual fuel use. If situated in your bathroom or kitchen, the Oval can be supplied with a stylish curved towel rail. With their elegant, stylish and exceptionally functional design, they will enhance any living environment.

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Tel: 01788 555 023

www.kvradiators.com

Enquiry N° 316



Unique & Innovative

The increasing problem of untreated low level acidic condensate from condensing boilers heading for the drainage infrastructure has been addressed by Salamander, part of **Sentinel Performance Solutions**, with the release of the new 'Condensafe +' unit. This unique and innovative in-line unit, designed to be mounted between the boiler condensate outlet and the drain, contains a special medium that will effectively neutralise acidic waste from condensing boilers before allowing the now harmless waste to be discharged to the drains. The neutralising medium can be easily replaced when the boiler undergoes its annual service.

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Tel: 01928 583 280

www.salamander-engineering.co.uk

Enquiry N° 317

Heating & Renewable Energy Supplement

Enquiry N° 308

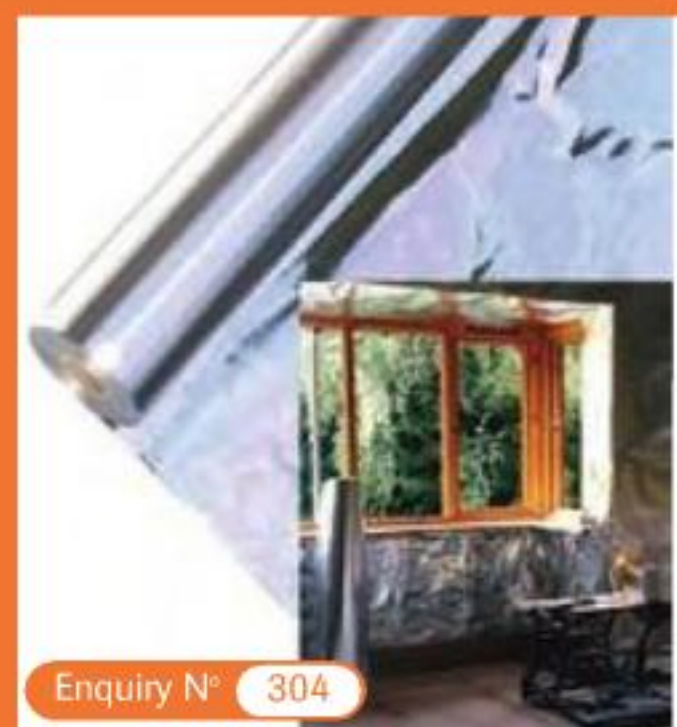


A **Radiant Heating Solutions** integrated system takes energy from the sun, the air or the ground, storing this in 'heat cells' or buffer tanks and delivering it to both space heating and hot water requirements. All heat generation and heat distribution equipment is produced exclusively for Radiant from one manufacturer. The total comfort and wellbeing of occupants is assured by two important facts. First, Radiant have been designing and delivering energy efficient systems for 15 years. Second, because all equipment is manufactured by one company there will never be any compatibility issues. Thus ensuring a complete engineered solution for all heating, cooling and ventilation applications.

BBA Certified, Eco-Brite®, from **Apollo Energy Research**, is a composite laminated, metallised, non-tarnish liner that prevents heat radiating through structures, is also an excellent vapour barrier and helps make homes airtight.

Used to replace the usual vapour barrier, it greatly improves heat retention when cold outside yet helps keep a home cool during hot weather.

In combination with fibre insulation, it provides the most cost-efficient insulating method available for your new home that meets the Building Regulations.



Enquiry N° 304



Enquiry N° 343

Geothermal Heat is free and constantly available from depths below 15m. To harvest this free heat a heatpump is employed to raise the temperature of the heat and deliver it into the building. To achieve this we abstract ground water at 10/14°C, and we install underfloor heating which is more efficient than a radiator system, and can heat the building using water at temperatures of 30°C or less. At **Earthtest Energy** we ensure that the heatpump system is correctly integrated into the buildings design and construction and that the interfaces with the buildings other systems are properly managed. Correctly installed, a geothermal heatpump and underfloor heating system requires no maintenance and should last the life of the building.

Pipes can be used for more than one application. There are pipe systems available that can be used for more than one application. With the current products from copper to plastic there has always been and will continue to be limitations. Multilayer pex-al-pex pipe systems combine all the qualities of both copper and plastic with none of the disadvantages. Widely acknowledged as one of the most superior pipes on the market, its only disadvantage was the price. Now however, Rifeng pex-al-pex pipe systems are available with all the certification one could require for a multitude of uses from underfloor heating to potable water applications at an affordable price from **UK Plumbing Supplies**.



Enquiry N° 344

Some like it HOT!



AN ECO REVOLUTION IN ROOM HEATING

ThermaSkirt® is a revolutionary new heating system, proven to be more energy efficient than a radiator!

ThermaSkirt® replaces skirting boards and radiators in one! It connects to traditional new and existing boilers and is particularly suitable for use with renewable energy sources such as ground source heat pumps, air source heat pumps and solar panels etc. ThermaSkirt® can be retro-fitted into existing properties, whatever the type of floor construction or finish.

AS SEEN ON DRAGONS' DEN

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March 2nd-4th 2010
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For free tickets e-mail us at:
tickets@discreteheat.co.uk

Contact us for more information:

0845 1238367

DiscreteHeat™
company limited

info@discreteheat.co.uk www.discreteheat.co.uk

Efficient ... quiet ... clean ... and green!

Enquiry N° 318

The Radiator Factory Ltd
Specialists in designer radiators and towel rails

VASCO
HEATING CONCEPTS
DISTRIBUTOR

0116 2609257
www.radiatorfactory.net

Carre Half Round Radiator

Enquiry N° 319

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Our online database
at www.sbhonline.eu



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See inside back cover and
Fax to 01435 863897

S7



A Suite in a Box from Winther Browne

The Kirkdale electric suite from **Winther Browne** has proved to be an instant success since its recent launch. An ideal solution for developers that want a straightforward installation, this satin white suite with a brass Blenheim electric fire comes complete in one box. Minimal assembly is required as only the hearth needs to be screwed to the surround then it is a simple question of locating the fireplace in the desired spot and attaching it to the wall with the mirror plates provided. Once the fire is plugged in then the installation is complete.

...searchable information archive at www.sbhonline.eu

Tel: 0845 612 1893

www.wintherbrowne.co.uk

Enquiry N° 320

Purmo's Plan for all Seasons

The Plan Compact from **Purmo** is a white panel radiator with a minimalist, elegant look, suitable for an array of living spaces. It has an absolutely flat front with lucent lamination, which consists of attached top and side panels. This covers the Compact in such a way that no overlapping corners can be seen from the front. Available in five heights ranging from 300mm to 900mm and 16 lengths stretching from 400mm to 3,000mm, the Plan Compact can also be connected in the middle, making installation simpler and virtually invisible.

...searchable information archive at www.sbhonline.eu

Enquiry N° 321



Heating That Won't Cost the Earth



For years, it has been understood that sustainable low temperature heating systems (such as heat pumps) do not work with conventional wall-mounted heating systems, but **Jaga's** Dynamic Boost Effect (DBE) technology has changed everything. When used with Jaga Low-H2O radiators, the DBE unit circulates air over the heat

exchanger, allowing low temperature systems to efficiently heat any room or space. Jaga DBE radiators are the perfect complement to any sustainable heating system, reducing the need for slow and costly underfloor heating systems, while also reducing energy bills.

...searchable information archive at www.sbhonline.eu Enquiry N° 322

Greater System Efficiency

The Energy Saving Trust's new Domestic Low and Zero Carbon Technologies Guide (P1.3) is now at final draft stage. A key point of the new document is that passive flue gas heat recovery systems are now included in the guide and it will therefore now include **Johnson & Starley's** renowned RenoXtra high efficiency combination condensing boiler. The RenoXtra boiler is available in 30kW and 37kW models and each comes in a stylish one piece cabinet. Each model features a gas saver module, a passive flue gas heat recovery system, built into its cabinet. This provides additional system efficiency by re-cycling flue gas heat which would normally be wasted and expelled to the atmosphere.

...searchable information archive at www.sbhonline.eu Enquiry N° 323



Electric Central Heating Without Pipes!

Aeroflow® Dynamic storage radiators from Germany



- No Boiler
- No Pipes
- No Fluids
- No Plumbing
- No Special Wiring
- No Maintenance
- Accurate thermostat control
- 100% Energy Efficient
- Easy Installation

• Fully compliant with the energy efficiency requirements of part L of the building regulations.



0800 142 55 55

www.electrorad.co.uk

Enquiry N° 324



LIVING WARMTH

Westfire designs stoves with great care and attention to detail. A wood burning stove must complement the home in which it is installed since it will outlast both the furniture and the decor. Westfire has therefore developed a future-proof design characterised by simplicity, timelessness and contemporary technology.

EUROSTOVE LTD, UNIT 55, MENDIP INDUSTRIAL ESTATE, ROOKSBIDGE, SOMERSET, BS26 2UG TEL: 01934 750500 E-MAIL: INFO@EUROSTOVE.CO.UK WEB: WWW.EUROSTOVE.CO.UK



Enquiry N° 325



Heating & Renewable Energy Supplement



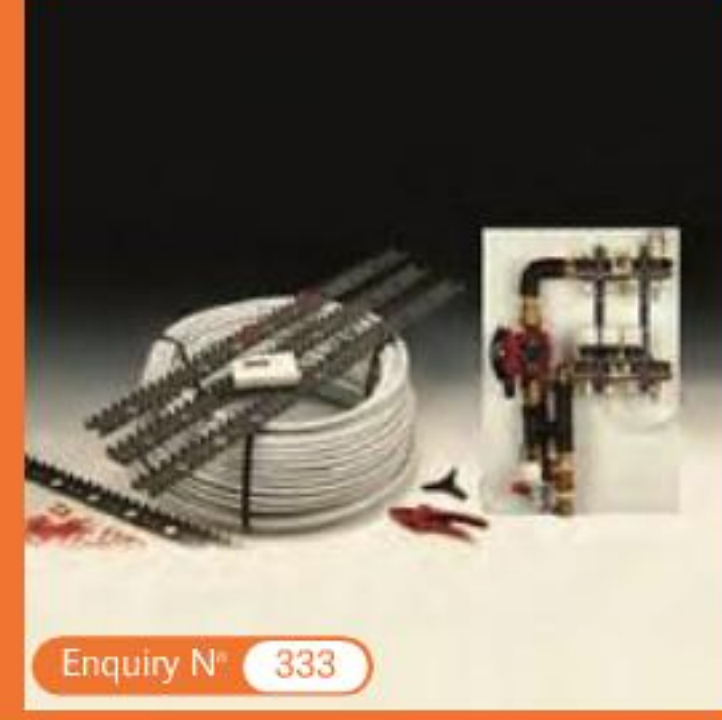
Enquiry N° 319

The **Radiator Factory** utilized the recent Grand Design Exhibition to cement its partnership with Vasco Heating Concepts. The two companies share the same values for quality and service and both are relishing the challenge of establishing themselves as leaders in the UK radiator manufacturer and distributor's markets. Vascos attention to detail with the product such as the integrated valve, the various tapping configurations, the lateral side covers and colour options will be appreciated by the more discerning buyer, combine this with a comprehensive stock profile and prices starting from £309.00 for a vertical radiator in a textured black finish, high quality affordable heating solutions are very accessible from The Radiator Factory.

The **Robbens** Single Room packs for warm water underfloor heating are designed specifically for extensions and conservatories. They are available in 3 practical and cost effective size ranges up to 42 sq. metres.

Designed for use with solid/screeded floors with tiled or carpet finishes, they'll give comfortable conditions when operated on minimum room temperatures in accordance with the detailed installation instructions provided.

Manifolds are supplied fully assembled and ready for fitting.



Enquiry N° 333



Enquiry N° 329

When you specify Dan Skan, one of the greenest most efficient wood burning stoves on the planet, it won't cost you the earth. The ultimate designer stove boasts various popular outputs with 22 different colour combinations and a choice of 12 footprints including 360° and corner units. Dan Skan stoves are available in the UK exclusively through **The Stove House** and you can see them all online. The Stove House prides itself on providing high quality stoves at competitive prices, but without cutting corners on our high level of customer service and impartial advice. The Stove House is a trading name of Stove Yard UK Limited which is part of The Stove Yard Group, Ireland's biggest stove dealers.

Heatec is a dynamic company committed to providing the commercial and domestic markets with a range of heating, electrical and other products which meet the high standards of efficiency, safety and cost effectiveness required of quality modern products. Our indoor heating range includes modern die-cast aluminium, contemporary tubular steel, traditional and period cast iron and designer chrome radiators. The outdoor heating range comprises of shortwave infra-red, ceramic and quartz heaters designed to be either floor standing, wall mounted or suspended. The electrical products include the highly successful Loblite brand of IP rated, weather resistant switches and sockets, plus many others.



Enquiry N° 309

Dataterm IHC



AS SEEN ON TV!

Guaranteed to Reduce Your Fuel Bill by 25%

Dataterm Intelligent Heating Controls from Warmworld really can save you money, thousands of people all over the country are enjoying the increased comfort and reduced running cost's of the Dataterm system. It does its thinking right out of the box so once fitted will start to control your heating and save you money straight away. Dataterm will pay for itself in no time in energy savings alone, so if reducing your annual fuel spend by an average of 25% sounds good to you fit Dataterm NOW... It comes with single or multizone control with or without hot water for all sizes of property and has 30 built in plans to get you up and running in no time at all along with room for 3 personal plans with up to 8 set-points per day and everyday of the week can be tailored to your lifestyle. Dataterm set it and forget it - Dataterm will take care of you and your pocket 24/7 and its good to the planet too.



www.warmworld.co.uk
0117 949 8800



Enquiry N° 326

EBECO 
electric underfloor heating



Get more from your floor

Ebeco offers energy saving underfloor heating with the most comprehensive range of electric heating cables, heating foils, thermostats and insulation boards.

Whether you want to fully heat a house, block of flats or just warm a cold tiled floor - call us first.

We also offer practical advice and free quotation from our helpful support team. Please contact us for more information.

EBECO UK Ltd
Unit 1, Redhill 23 Business Park
29, Holmethorpe Avenue, Redhill
Surrey, RH1 2GD

Phone: 01737 761767
Fax: 01737 507907
ukinfo@ebeco.com



ebeco.com

Enquiry N° 327

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at www.sbhonline.eu



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S9

Energy Cashback

It's official: there's never been a better time to install solar panels on your home. Until April 2011, homeowners can take advantage of not one, but two Government initiatives for help in funding photovoltaic panels.

Chris James, solar expert for npower, explains, "July 2009 saw the Government announce plans for clean energy cashback, otherwise known as feed-in-tariffs (FITs). Put simply, owners of solar photovoltaic panels will be paid for all the clean energy they produce, regardless of whether they use it or export it back to the grid. While the plans will come into effect from April 2010, anyone installing solar panels from now onwards will be eligible for the scheme.

What's more, earlier this year the Government injected the Low Carbon Buildings Programme (LCBP) with an additional £10 million to extend phase one until April 2011. This means the two schemes will run concurrently for a total of 22 months, offering savvy homeowners the chance to maximise their funding for solar panels.

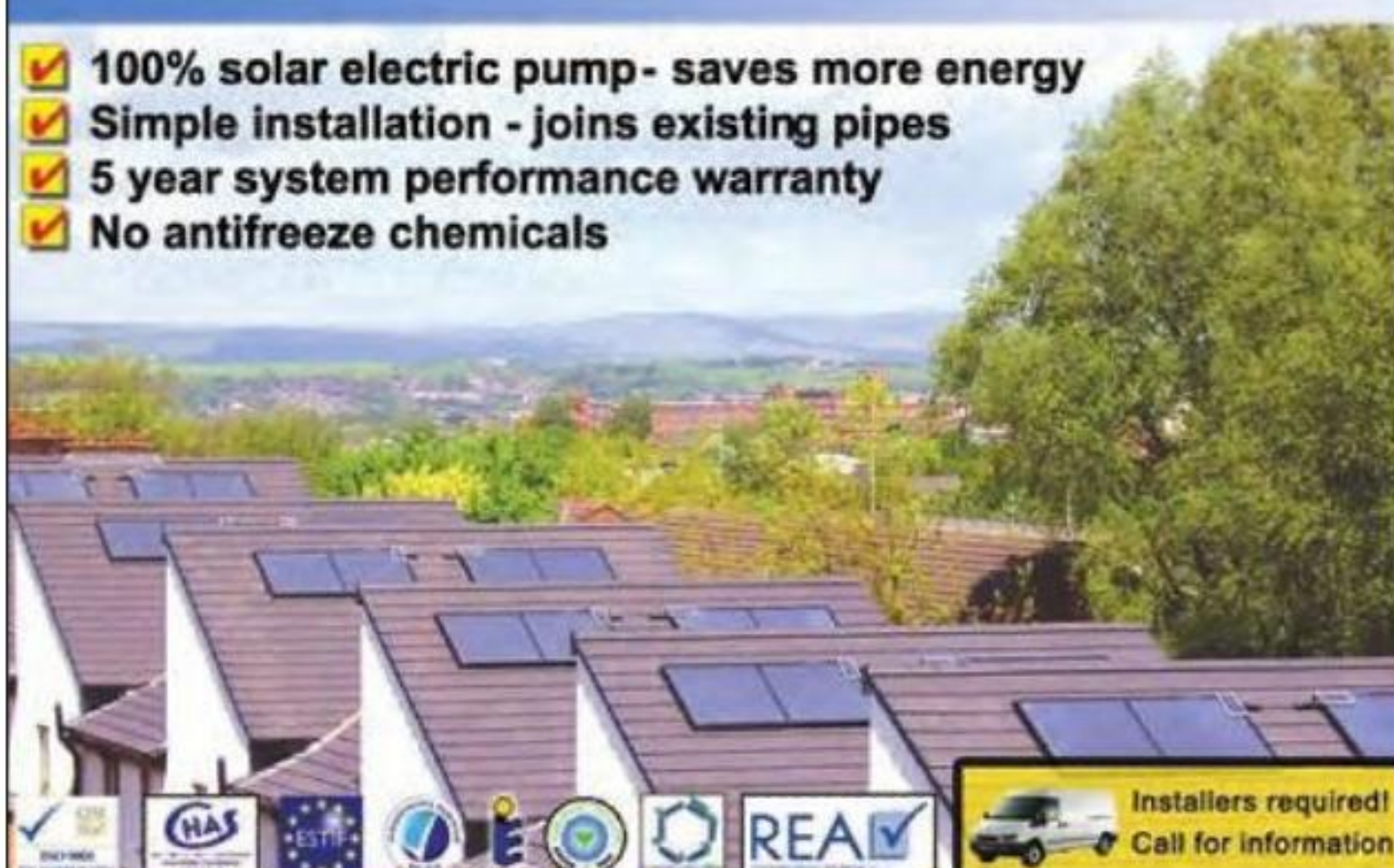
In short, until April 2011 homeowners can receive up to £2,500 towards the installation cost of the panels, while FITs could deliver an annual income of over £600 per household. That's before you consider bill savings of around £110 a year. These financial incentives make the case for solar far more attractive."

It appears that the combination of the two initiatives has given many UK households the impetus they needed to get serious about solar.

Under the LCBP, property owners including private householders can apply for grants of up to £2,500 on solar photovoltaic panels. Solar thermal panels are also incentivised to a maximum of £400, or 30 per cent of the relevant eligible costs. Meanwhile, the introduction of FITs will see solar photovoltaic customers receive 36.5p/kWh for systems generating up to a peak of four kilowatt hours.



- ✓ 100% solar electric pump - saves more energy
- ✓ Simple installation - joins existing pipes
- ✓ 5 year system performance warranty
- ✓ No antifreeze chemicals



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One-storey, phone survey standard installation.
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0845 1300 137

www.solartwin.com | hi@solartwin.com

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

Enquiry N° 328

STATE of THE ART

from the wood burning stove specialists

Specify 'state-of-the-art' for your new carbon-neutral wood burner – like Dan Skan (right), the ultimate choice in designer stoves and probably the greenest stoves on the planet. Then there's the new, superbly priced, Lotus contemporary range and Esse's best-selling 125s and 525s (below). All available from The Stove House – the stove specialists.



Cheshire Showroom
Holmes Chapel CW4 8AF
Telephone 01477 533 535

Staffordshire Showroom
Stone ST15 8LQ
Telephone 01785 813 451



The
STOVE HOUSE
www.stovehouse.co.uk

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the acceptable face of open fires
... contemporary & traditional
fuel-effective open convector
fires to burn wood, coal or gas



www.flamewavefires.co.uk

0845 257 5028

Enquiry N° 330



Heating & Renewable Energy Supplement



Enquiry N° 328

Solar Twin supply solar thermal and photovoltaic systems to the Trade and public.

Our Solar Keymarked solar thermal panels are zero carbon and supplied DIY or fully installed.

Zero carbon because a small photovoltaic panel drives a small, brushless DC pump and a controller, eliminating mains electricity connections completely.

All pipework is WRAS approved silicone rubber, meaning the panel can freeze. Hence, no anti-freeze or drain-down is needed, and maintenance is minimal. Permanently wetted so no stagnation issues.

Can be fitted in a day. SAP figures are available.

Take control of your heating costs with the new Stanley Donard woodburner. **Waterford Stanley** brings you the new Stanley Donard woodburner which combines classic range cooker styling with exceptional performance. With its timeless style and powerful performance, the Stanley traditional range cooker has become a design icon for the Classic British Kitchen. More and more of us are turning to sustainable fuel options when choosing a cooker. A cast-iron range is an efficient and beautiful way to provide cooking, heating and hot water for your home. For a choice of Stanley range cooker models, each of which delivers superb range cooking along with hot water and central heating for your home, please contact us.



Enquiry N° 303



Enquiry N° 325

If you are looking to heating your home with wood or just to compliment your existing heating system, a crackling wood fire is a cosy addition to any living room. Wood stoves are an efficient way of burning wood whilst still providing an unrivalled ambiance and feel. **Westfire** specialise only in manufacturing efficient woodstoves with large range of contemporary designs to compliment your home. Westfires' high efficiency stoves feature the latest low emission fire chambers built into a modern contemporary outer body. Westfire have introduced two new stoves for this season, the New Uniq 23 with side glass and the Uniq 17, both feature external air supply which is well suited to today's air tight dwellings.

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.



Enquiry N° 331

- > Hometronic wireless system, easy to retrofit, minimal disruption
- > control any form of heating; radiators, underfloor etc
- > make each room into a zone; better comfort and efficiency
- > control cooling, blinds, awnings, shutters, lights
- > remote access via telephone or web
- > interfaces to other systems

sensible heat

ADVANCED HEATING CONTROLS

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!

We can also control many other items within the house, all brought together in an easy-to-use package.

Sensible Heat offers a design, supply and commission service, covering the UK and Ireland. If you're using a Custom Installer for your home entertainment systems, we'll work with them to deliver an integrated solution.

Do the Sensible thing, and contact us now!

info@sensibleheat.com www.sensibleheat.com

01273 475834 11 ST NICHOLAS LANE LEWES EAST SUSSEX BN7 2JY

Enquiry N° 332

ROBBENS SYSTEMS

UNDERFLOOR HEATING

is a part of **FRANKISCHE**

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 to a resounding success.

Freephone: 0800 454569 **ROBBENS SYSTEMS** | 69 Castleham Road, St. Leonards, TN38 9NU

www.underfloorheating.co.uk Phone 01424851111 | Fax 01424851135

Enquiry N° 333

Enquire via:



Our online database at www.sbhonline.eu



Post using Enquiry Card



See inside back cover and Fax to 01435 863897

SII

A Heating Innovation

An innovative form of heating, the attraction of an inset fire combined with a flame-effect fan convector that runs off the central heating system, the **Valor Hydroflame™**. This innovation in heating is cost effective, with an annual running cost of less than £6 per year (based on electricity charged at 15p/kWh with an annual usage of 1300 hours) whilst being highly efficient due to a built in thermostat and energy saving light bulb. The Valor Hydroflame™ contains Dimensionv™ electric fire effect – cutting edge technology that is the worlds' most authentic 'real fire effect'.

...searchable information archive at www.sbhonline.eu

Tel: 08706 061064

www.valor.co.uk



Enquiry N° 334

Grundfos Sponsors Summit Skills

Summit SKILLS

Organised by SummitSkills, the sector skills council for building services engineering, skills competitions are the ideal showcase for apprentices to demonstrate their exceptional practical skills and experience the excitement of competing in a public arena. Over the last year there have been a number of heats across the UK and the top twenty then went head to head at the final at Interbuild in the NEC on the 21st October. Grundfos were proud to sponsor this event and have been involved throughout the competition. Grundfos see SkillPlumb as an extremely worthwhile competition.

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Tel: 01525 850000

www.grundfos.co.uk

Enquiry N° 335

A Boiler Called Robert

Robert, or to give him his correct name, Thermaflow TH12/330U, is an innovative electric combination boiler, from **Alfa Laval**, that sits in the corner of Kevin Collins's bungalow in Hardwick, Bucks and provides all the heat and hot water his four bed-roomed home can handle; at a fraction of the cost of the electric under-floor heating system he had relied on for years. The insulated stainless steel vessel design is so efficient that, even when the boiler is at 85°C, the exterior enamelled steel jacket is cold to the touch.

...searchable information archive at www.sbhonline.eu

Tel: 01276 633 83

www.alfalaval.com

Enquiry N° 338



The Thermipro Hybrid Heat Station

MHG Heating's new ThermiPro hybrid heat station offers home owners the future of heat generation in a compact, turnkey high-tech unit. Only a minimal amount of space is required to combine a solar buffer tank (500 litres), a high-efficiency air/water heat pump (3-10 kW) and an ultra-energy-saving gas-condensing boiler (7.7 – 26.8 kW). The ThermiPro also comes with a standard solar link-up to supply hot water and supplement your heating system. The intelligent system control ensures that all of the components work in perfect harmony with one another.

...searchable information archive at www.sbhonline.eu

Tel: 08456 448802

www.mhgheating.co.uk

Enquiry N° 339

New Solar Combi Boiler Boosts SAP Rating

The **Electric Heating Company (EHC)** has launched a new solar combination boiler. Designed to complement its existing range of electric heating and hot water products, the E10 Solar Combination Unit provides a cost effective alternative to electric storage heating, oil, solid fuel or LPG. It provides the ideal solution for properties with no access to mains gas, or those with gas restrictions or on brownfield sites. The new boiler has been developed to include a solar pump station and unvented solar hot water cylinder.

...searchable information archive at www.sbhonline.eu

Tel: 01698 820533

www.electric-heatingcompany.co.uk

Enquiry N° 336



Daikin Altherma Finalist for Award

Daikin Altherma air source heat pump product range has, after preliminary judging of the Green Business Awards2009, been shortlisted for the "Green Product" category. Daikin Altherma represents the most diverse range of air source heat pump solutions available for the domestic housing market in the UK. The range includes the Daikin Split and Monobloc (Low Temperature) systems as well as the Daikin Altherma HT (High Temperature), an industry first system which provides heating and hot water up to 80°C. Daikin is the first manufacturer to receive the Eco-Label for heat pumps.

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Tel: 0845 6419000

www.altherma.co.uk

Enquiry N° 337

New Underfloor Heating Brochure

JG Speedfit, the Push-Fit Solution For Plumbing, Heating and Underfloor Heating systems has just launched an update to its underfloor heating literature. The new 22-page brochure combines the Main Voltage Electrical Controls, the Low Voltage Network Control Products and the Energy Saver Plus Manifold System. The new brochure gives both installer and end user one point of reference for the three ranges and provides easy to follow installation advice.

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Tel: 01895 449233

www.johnguest.com



Enquiry N° 340

Modern High Efficiency Designer Heating



Woodburning Fires incorporating the latest Eco-Friendly Cleanburn Technology. To compliment our range of fires we manufacture a range of bespoke fireplaces in both Contemporary and Traditional designs.

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Tel: 0161 839 9393

www.nqfireplace.co.uk

NQ Fireplace Studio are Specialist Importers, Distributors and Retailers of Modern High Efficiency Designer Heating. Products include Feature Fires, Designer Radiators, Freestanding Stoves, Inset Gas and

Enquiry N° 341





Taking on the task of building or renovating your own home is a big commitment and needs careful consideration to ensure the end result is long lasting. Sustainability is a key factor and increasingly properties are being designed, built and renovated with this in mind.

Solar PV is an ideal system for homeowners interested in renewables. Improved PV technology means that it is now far more effective than other renewable technologies and the systems often require very little maintenance. Combined with a long life expectancy, solar PV offers reliable long-term investment.

In addition, the government's recent energy bill announced the implementation of the clean energy cash-back scheme, which will come into effect from April 2010. Under the scheme people will be rewarded financially for the renewable energy that they produce and these incentives will replace the current capital grants subsidies that are offered by the government.

Until April the capital grants are still available to homeowners who are eligible for up to £2,500 non repayable grant, after which they can make the most of the clean energy cash back scheme. So, before next spring homeowners are in a unique position to enjoy both benefits; drastically accelerating the payback period of their solar PV systems and adding value to their property.

A Window of Opportunity

By Jonathan Stobart, Managing Director of Smart Solar

Enquiry N° 342

earthtestenergy

reduce your heating bills by up to 85%

Earthtest Energy offers a complete package of design, installation and commissioning of geothermal heating, a full service that most companies are unable to offer.

Geothermal heat is a clean, green, economic, environmentally friendly and sustainable alternative to oil and gas.

Geothermal heat provides:

- Continually warm & cool homes
- 85% savings on heating costs
- A maintenance free heating system
- A garden free of unsightly fuel tanks
- A unique house-selling advantage
- A reduction in greenhouse emissions & carbon footprint
- A renewable energy source

To find out more visit, or contact us on the details below:

Unit 15, Kingsley House, Kingsley Road, Kingsley, London, SE18 3PQ
 Tel: 0208 261 1111
 Fax: 0208 261 1122
 e-mail: info@earthtestenergy.co.uk
 web: www.earthtestenergy.co.uk

Enquiry N° 343

UK Plumbing Supplies

We will not be beaten on price. **GUARANTEED!**

UK PLUMBING SUPPLIES

Advantages:

- Cost effective
- Easy joining and installation
- Hot and cold water
- Air conditioning and refrigeration
- Wide range of sizes
- No corrosion
- 100% oxygen barrier
- High form stability
- Low heat expansion
- Excellent long-time rupture strength
- Energy efficient
- Colour co-ordination

Uses:

- Full Underfloor heating systems
- Full central heating systems
- Can be used for potable water (WRAS)
- 25 year warranty on all pipe and fittings (insurance backed)

Example: A - 12 16

Outer diameter 16mm
 Inner diameter 12mm
 Cold water pipe

Permanent compression plastic deformation (use special pressing tool)

Length of traditional fitting insert

Super-long insert of Rifeng F5 Fitting

Double O Seal ring (high quality EPDM)

Labyrinth structure

Tel: 0800 622 6855
 www.ukpsupplies.co.uk

Enquiry N° 344



NEW for 2009



18ⁱ 60ⁱ 70ⁱ



Jetmaster Inset Stoves are up to **84% efficient** giving you the very most out of every ounce of fuel burnt in the stove.

Jetmaster stoves will generally save you over 180kg's of carbon production annually, this is done through the efficient use of fuel that is renewable (wood).

This Saving will improve the value on your homes energy performance certificate, instantly increasing the value of your home.

A further benefit is the ability to reduce cold air flow into your home, this is done using the optional sealed external supply, this ensures that the home can essentially be sealed and no external air will need to flow into the house to fuel the fire.

The Jetmaster Inset Stove is available in 3 sizes:-

The 18ⁱ is built to suit the British Standard fireplace opening	5KW output
The 60ⁱ offers a wider fuel bed to accommodate larger logs	7.5KW output
The 70ⁱ has a truly wide fuel bed to accommodate a 500mm log	9.5KW output



Jetmaster Fires Ltd.

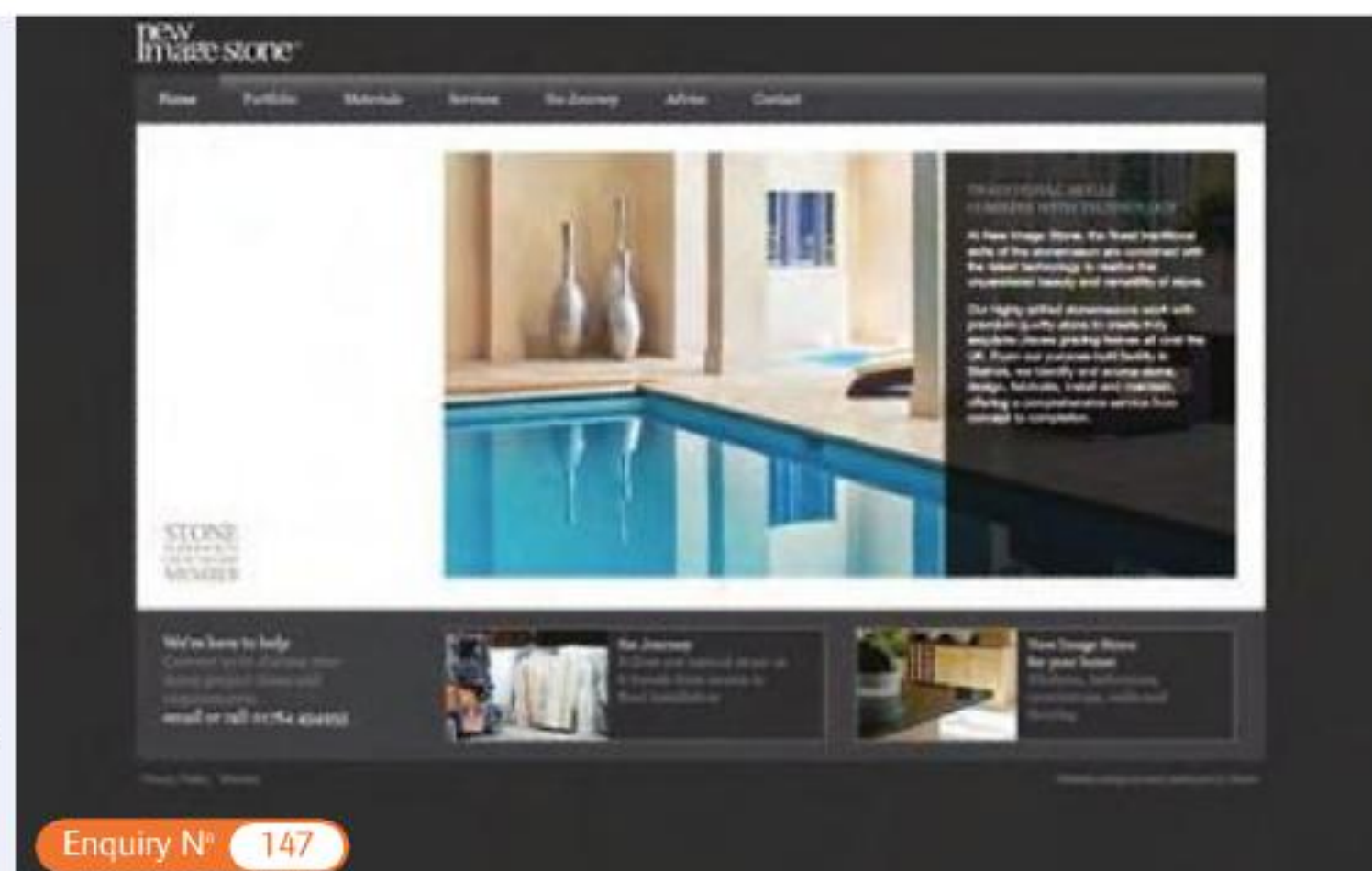
Enquiry N° 345

Unit 2, Peacock Trading Estate, Goodwood Road, Eastleigh SO50 4NT Tel: 02380 629513 Fax: 02380 629567 Email jetmastersales@aol.com

w w w . j e t m a s t e r . c o . u k

New Image Stone

New Image Stone, the natural stone specialist is impressing visitors to its new website, www.newimagestone.com, with a fresh and exciting design. Offering a comprehensive mix of information and stunning images, the company displays its in-depth knowledge of natural stone by offering advice and technical information, supported by a gallery of recently completed projects.



Enquiry N° 147

Galassia

Sa02 can be defined as the "Galassia Classic". Still today it is the key-range of the renewed valve and the lifestyle of the Company. Its essential design and strong character have lead this collection to reach prestigious prizes such as the "Design Plus" and a nomination for the "Compasso d'Oro Adi". The strong personality of Sa02 obtained by the balance between severe geometry and curves surfaces along with its clear functionality, makes it a product that can adapt to many design solutions.



Enquiry N° 149



Enquiry N° 148

Boddingtons

Boddingtons Limited is a British manufacturer offering a range of grass and ground reinforcement meshes and porous paving grids, for both grass protection and gravel retention. Boddingtons newly enhanced GrassProtecta®, is a heavy duty, thick, polyethylene mesh supplied on a roll. It can be rolled-out directly on to existing grassed surfaces prone to wear or rutting, allowing the grass to grow through the mesh, making it invisible in appearance, thus creating a naturally pleasing (yet reinforced) grassed surface suitable for both vehicles and pedestrian to use.

New Surface Solutions from ADP

ADP Surface Solutions, one of the UK's leading suppliers of plastic paving and ground reinforcement systems, has added two new products to its existing range. ADPave 40 and new non-slip version of the GrassRoute heavy duty turf reinforcement mesh are now available. ADPave 40 is a clip together system that can be laid directly on existing turf and filled with either rootzone and then seeded or with gravel. It can also be laid directly on to hard surfaces including concrete and asphalt and then gravel filled. Alternatively, it can be used as part of a fully engineered solution and laid on a prepared sub-base.

...searchable information archive at www.sbhonline.eu

Tel: 01270 824223

www.adpsurfacesolutions.co.uk



Enquiry N° 150

Add That Extra Touch To Your Roof



Roof Dragon are suppliers and makers of dragon/gargoyle roofing finials for your new or existing roof. Be creative, original and unique. Add charm and distinction and that extra touch to your roof. You are welcome to visit our web site for full range and details.

...searchable information archive at www.sbhonline.eu

Tel: 07726 209 777

www.roofdragon.com

Enquiry N° 151

Eco Decking Tiles

Modular Decking System



TRANSFORM OUTDOOR SPACES WITH Eco Decking Tiles

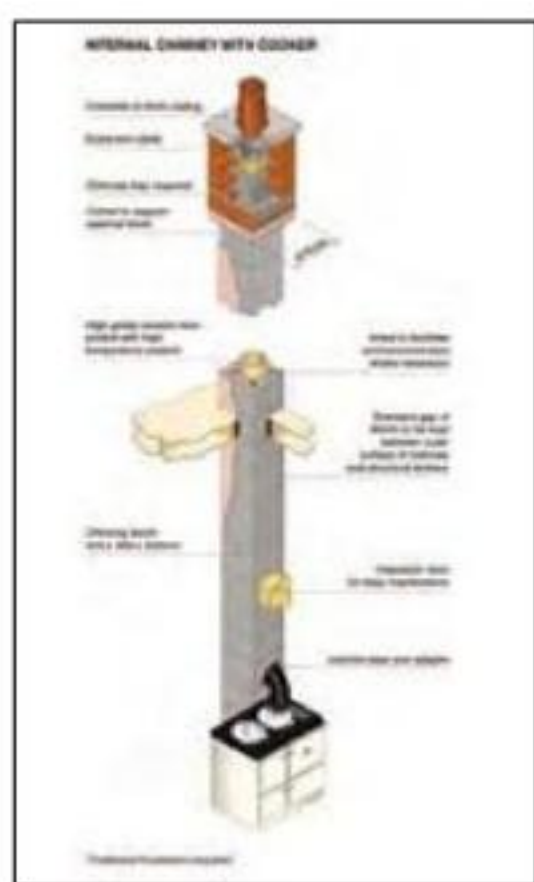
Eco Decking Tiles; a high quality, Multi Award winning product designed to cover any exterior hard surface, quickly and easily transforming it into an Ipe hardwood deck. Ideal for use on balconies, roof terraces and patios, these unique modular tiles couldn't be easier to use.

Tel: 0845 2700 696 Web: www.ecodeckuk.com

Enquiry N° 152



The Schiedel Isokern DM System



The **Schiedel** Isokern DM system has a specially designed access block to allow the outlet pipe from the cooker fit directly into the chimney. The chimney can be fitted internally or externally with the connection pipe passing through the wall of the building. The Schiedel Isokern DM System is a neat and simple solution that offers modular, prefabricated units to speed construction and facilitate consistent quality standards. What's more the DM system is made with Pumice, a natural insulator, sourced from the Hekla Volcano in Iceland. The unique insulating property of Pumice separates it from all other chimney materials.

...searchable information archive at www.sbhonline.eu

Tel: 01202 861650
www.isokern.co.uk

Enquiry N° 153

Bound Surfacing Materials

Resibond Ltd specialises in the installation of durable and decorative resin-bound surfacing systems. The company undertakes projects ranging from new housing developments and town centre regeneration, to private gardens and driveways. Resibond is a trowelled down, resin-bound paving system that is UV stable and resistant to cracking. Resibond used a clear epoxy resin to bind a wide range of coloured aggregates. It is suitable for new build projects or to overlay tarmac, concrete and other existing substrates.



...searchable information archive at www.sbhonline.eu

Tel: 01254 581155
www.resibond.co.uk

Enquiry N° 154



Non-Staining & Self Compacting Mortar

The owner of PJT Maintenance was so taken with the unusual 'Indian Kali' limestone paving stone and the GftK Paving Joint Mortar, from **NCC Streetscape**, specified on a recent project in Stockport that he decided to use it for his own patios in Buxton. GftK 850 Paving Joint Mortar is a non-staining and self compacting mortar, which allows you to schedule work without stopping when there is a chance of rain and allowing work to continue right through any wet weather. The work can also be completed standing up, and there is absolutely no risk of any shrinkage cracking.

...searchable information archive at www.sbhonline.eu

Tel: 01257 266696
www.nccinaction.co.uk

Enquiry N° 155

Level with Ease

A traditional two-part powder and liquid system from **Instarmac**, Level IT two is ideal for levelling uneven internal substrates prior to the application of a floor covering. The two-part system allows for fast and efficient mixing preparation as there is no requirement to add water. Level IT two, Ultra Floor's best selling floor levelling compound, combines excellent flow characteristics with strong adhesion properties through the inclusion of a synthetic latex liquid component. This liquid component provides increased flexural capacity, ensuring Level IT two has exceptional compatibility with timber substrates.

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Tel: 01827 872 244
www.instarmac.co.uk

Enquiry N° 156



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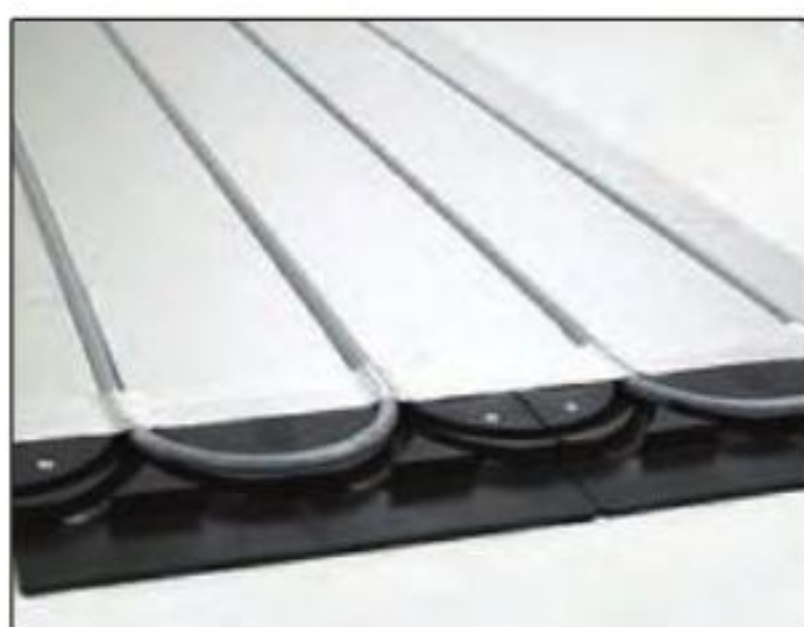


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& CONTRACT FLOORS LTD

Enquiry N° 158



Polypipe Fills the Void



Representing a unique new concept, **Polypipe's** Modular Heating Panels have been developed to pave the way to fast, easy installation of underfloor heating into suspended floors. Polypipe's new Modular Heating Panel provides installers with the convenience of a pre-figured solution because all of the floor heating system elements are

supplied already fitted within complete panels. All the installer has to do is simply fit and connect them together on site. Delivering high heat output at relatively low flow temperatures, MHPs maximise heat efficiency of traditional heat sources and heat pumps.

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Tel: 01709 770000

www.polypipe.com

Enquiry N° 159

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Enquiry N° 162





Underfloor Heating Q&As

Answers by Chris Simmons, Commercial Manager for Wavin Underfloor Heating

What are the advantages of underfloor heating?

Underfloor Heating (UFH) has grown in popularity throughout the UK over the last 15 years and is now recognised as a modern energy-efficient option for space heating.

UFH has a number of benefits over more traditional forms of heating. UFH offers a radiant blanket of heat through conduction, convection and natural radiation, preventing

cold spots and drafts.

We are all aware of spiralling fuel costs, so self builders will be glad to learn that by using UFH they can save up to 25% on fuel bills through improved energy efficiency.

UFH only requires water heated to 45-55°C which is significantly less than other forms of heating making it more attractive to potential tenants in terms of using less energy and increasing money savings.

The radiant heating effect of UFH also means that the air temperature can be set 1-2°C lower whilst still maintaining the same comfort level provided by radiators, reducing heat lost through essential air changes by 10-20% over a year.

Dust particles are often circulated by central heating systems which tend to move air around the room; UFH can however create a healthier home environment by reducing dust circulation around the home.



Can underfloor heating be combined with radiators?

Yes, a network control range can be used to control UFH, radiators and hot water simultaneously. However, we don't normally recommend using both a radiator and UFH in the same room unless it's in a bathroom where a towel radiator can be used.

At what temperature will the underfloor heating operate at?

The heat output of a UFH system depends on the difference between floor and air temperature in the room to be heated. The difference can be multiplied by 10.6 to provide an approximation of the system heat output in Watts per square meter.

Most buildings require heat output between 35W/m² and 75W/m² – requiring floor temperatures of 23-28°C. With concrete floors, this can typically be achieved with water at 35-



45°C, with timber floors however, the water needs to be 45-55°C depending on the choice of floor covering.

Does the underfloor heating system require a special type of boiler?

No, generally any type of boiler can be used but condensing boilers can operate more efficiently when used with UFH than with radiators. If the water temperature from condensing boilers exceeds approximately 55°C it will drop out of its condensing mode and its efficiency will reduce from around 90 per cent to 75 per cent. UFH rarely requires a water temperature warmer than 55°C however radiators are commonly designed to operate with water temperatures of 82°C.

UFH is an ideal partner for low temperature renewable heat sources such as ground or air source heat pumps to further reduce fuel bills and CO₂ emissions.

Why do I need to use manifolds?

Manifolds control the heat distributed to each room by balancing the flow rates and heat output of individual circuits to match the heat loss in each room. Room thermostats provide overall

heating control, opening and closing valves on the manifold to maintain the desired room temperatures. Mixing manifolds also provides control of the water temperature within the UFH system, allowing fine tuning of heat outputs which will in turn maximise a system's efficiency and prevent the floor surface from overheating.

What type of insulation is to be used?

In most UFH projects, polystyrene insulation (thickness as per current Building Regulations) is used. Insulation type is important: the lower its thermal conductivity, the less heat is wasted to the outside environment. There are two types of polystyrene that can be used; expanded polystyrene (EPS) which has a high conductivity that is increased by the absorption of water and extruded polystyrene (XPS), a low conductivity, waterproof insulation which has a high compressive strength. We do recommend however that XPS is used, especially as it is rarely possible to protect the insulation from moisture when fixing UFH systems to it.

Can I install the system?

We recommend using a fully qualified and competent installer.

Enquiry N° 163



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Enquiry N° 164



Huge Slip-Lining Project

A £7 million investment programme by United Utilities is renewing a 44-inch cast iron water main using polyethylene pipe from **GPS PE Pipe Systems**. A section of the main, running 4.4km from the M57 junction in Prescot into Liverpool, has suffered two bursts in recent times, resulting in flooding of houses in Huyton. In order to prevent further incidents the existing Victorian pipe is being slip-lined with 1000mm diameter PE100 (Excel) pipe manufactured at the GPS extrusion site in Huntingdon, Cambridgeshire.

...searchable information archive at www.sbhonline.eu

Tel: 01480 52121

www.gpsuk.com



Enquiry N° 165

New, Improved Ezy-Drain System

Ezy-Drain, the light-weight, sustainable solution for septic and treatment plant soakaways is being relaunched by **Kingspan Environmental**, following some product modifications to make it even more user-friendly. Kevin Roe, Kingspan Environmental's GB Sales Director for pollution control products, says: "We've taken on board all the positive comments and some constructive feedback that we received from installers and merchants in making our recent modifications to the product. These should make it easier both to handle and store." In terms of environmental impact, the use of recycled waste materials makes Ezy-Drain a very sustainable solution.



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Enquiry N° 166

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Enquiry N° 168



Basements can offer a solution to creating more space when planners believe taller above the surface buildings would not be permissible, or the options to extend sideways are limited. They also can bring acoustic benefits (reducing noise problems between neighbouring properties) and improve energy efficiencies, as heat losses through basement floors and walls are less than those at ground and upper levels.

For the experienced homebuilder or renovator the question may be why work with a basement construction company if you have construction expertise and knowledge? The answer is that there are many facets to creating a basement space that require experience to achieve a successful outcome and working with a specialist company means that you can draw on this at every step of the process.

Technical, structural and waterproofing complexities require careful consideration. However, even before that, negotiation through the planning stages can be critical.

This is where specialist expertise to take on

Hidden Depths

The creation of a basement provides for more living space without the need for more land. It also provides options to reconfigure layouts throughout the house and is becoming popular with homeowners living in areas of dense housing stock wishing to renovate. Robin Knowles, Managing Director of the London Basement Company, explains the options available.

some of your design responsibility can be an advantage. Producing detailed method statements and being able to respond to the complex technical issues that the planning process can bring up are often necessary.

An experienced and knowledgeable surveyor to look at the structure and fabric of your house with you and identifying how the property maps onto the new space created are often key starting points.

The Possibilities

Innovation has always been the key.

We have pioneered new engineering and underpinning methods to maximise space. Where appropriate, we supplement traditional underpinning techniques with methods such as contiguous bored piles, reinforced concrete walls, slabs and composite decking.

There are four main basement types:

- **Under House (Retrofit)** - Whether there is an existing cellar or not, in most cases a basement contractor can excavate below the property covering the whole footprint or just a specific area.

- **Sub Basement** - Both single level and multi-level basements can be created and are often installed when a client doesn't want to take away vital living space from the main basement area.

- **Under Garden** - A basement can be constructed below the garden or driveway if the creation of a basement under the house does not fulfil the space requirements. The basement can be extended beyond the boundaries of the house using an open excavation method.

...Continued on Page 26





management than waterproofing because if you try to keep the water out then you will fail! The waterproofing is a key element in any basement project.

With basement work the structure needs to be waterproofed internally and we favour using a cavity membrane drainage system. A cavity membrane system allows ground moisture to drain freely behind it and be collected in a sump located below the new basement floor. The type of pump chosen will depend on the application but can include multiple pump arrangements with alarm and back up systems.

Bearing all this in mind, advances in

• **New Build** - We lag behind other European countries in this respect; in Germany, Holland and Belgium it is quite normal to create a basement under dwellings in new building construction. In Victorian times, house

construction was far more likely to include a basement area than it is today!

A Word on Waterproofing

With waterproofing, it is more about water

engineering, modern waterproofing techniques and imaginative design of light wells mean that creating a basement space, adding a level or two of new floor space, offers exciting and creative options for your house.

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Enquiry N° 170



Real Fresh Air from Yorkshire with Westin

Huddersfield based **Westin** have again demonstrated how they provide a bespoke service without the designer price tag, producing an entirely mirrored hood for kitchen designers, Mowlem and Co. The end result is visually stunning; combining fine aesthetics with the enhanced performance synonymous with Westin, in a design that blends seamlessly with its surroundings. Available as an island or wall mounted hood in a range of sizes and fan combinations. LED lights, coloured glass or mirrors are all optional. Looking for fresh ideas for your kitchen design? It seems Yorkshire is a good place to start.



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...searchable information archive at www.sbhoneu

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www.westin.co.uk

Enquiry N° 171

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Enquiry N° 173



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www.ledlightingsupplier.co.uk

Enquiry N° 175

Specflue Sales Surge



Specflue has maintained its enthusiastic growth programme with the appointment of two new members of the sales team. Frank Ewer is a respected name in the business and will be based in the South West. He also happens to be a very experienced firefighter and investigator having served in Dorset and also with the

Ministry of Defence. In turn, Richard Leedale will cover Yorkshire and the North West and provide a technical sales and support service to builders, architects and developers in the newbuild housing market.

His knowledge and experience of domestic flue systems spans 15 years.

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Enquiry N° 176

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Enquiry N° 177



Focus Enhances Website

Wiring accessory manufacturer, **Focus SB** has launched new areas on its website www.focus-sb.co.uk, to enhance its level of customer support. These new sections will provide online installation information and technical data to enable contractors to access the information they require at any time. This new service will include technical data on the HAL lighting and building control system and the Wise Controls wireless interior and exterior lighting control system, along with set-up guides for both of these ranges. There will also be a dedicated section that covers Frequently Asked Questions.

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Enquiry N° 178



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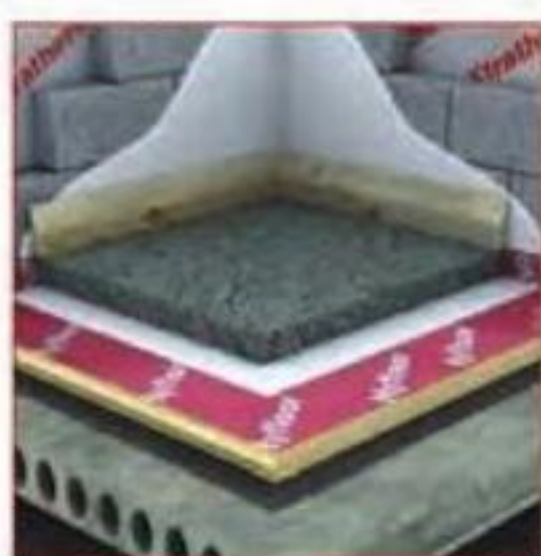
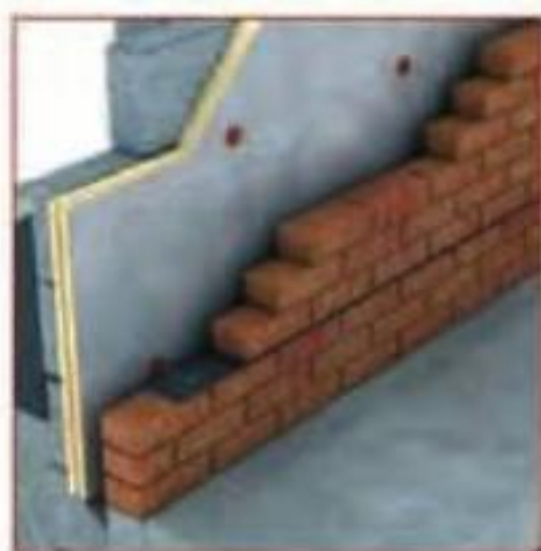
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The **Kytun** range of dry roofing products, manufactured in aluminium or PVC, is the widest and most versatile for weather protecting gable ends and valley edges of a fibre cement or natural slated roof.

The patented designs not only protect slates from wind uplift but provide a neat, unobtrusive, edge to the roofline and valley. Wastage of slate is reduced by slightly aesthetically damaged trimmed slate edges still able to be utilised, hidden beneath the trim edge. Kytun also manufacture a linear dry verge system for tiles and a wide range of flashings.

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Enquiry N° 183

Freefoam Invests in New Build/Public Sector

Freefoam Plastics is very pleased to announce significant investments to further expand its business in the new build, specification and public sector markets. Firstly, Lee Duff has been appointed New Build & Specification Manager for the Northern UK. Lee comments: "I believe that I have joined an independent company in Freefoam Plastics with great potential to grow within the new build and specification sector." Secondly, Freefoam has been awarded the ISO 14001:2004 Environmental Management System Standard. The achievement of this award builds on the company's existing stringent environmental systems and record.

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Tel: 01604 591110

www.freefoam.com

Enquiry N° 184



Tiles Help Poachers' Retreat Look a Steal

Marley Eternit's Acme Single Camber clay plain tiles, which have excellent environmental credentials, were specified on self-builder Malcolm Cox's £3.2 million dream property in Warwickshire. Marley Eternit worked with Malcolm & Maxine Cox on the sourcing and specification of the Acme Single Camber clay plain roof tiles, which have helped support the outstanding and striking design finish found at Poachers' Retreat. Mr & Mrs Cox were attracted by the ease of installation, quality, affordability and environmental credentials associated with Marley Eternit's clay plain tiles.

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Enquiry N° 185

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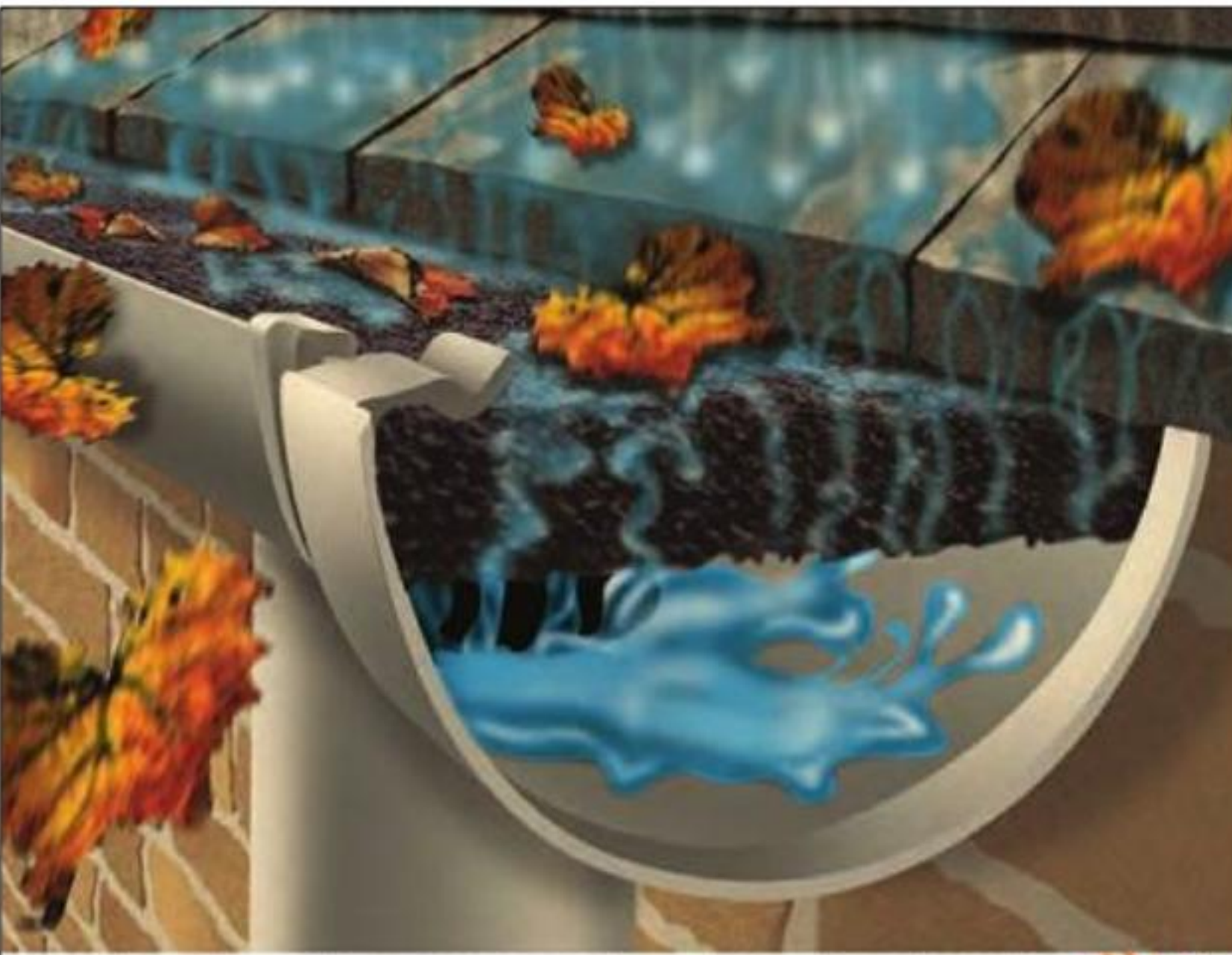
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Enquiry N° 186



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Enquiry N° 187



Grey Areas Covered

In December last year the NHBC published issue 43 of its technical newsletter, Standards Extra, which contained an article defining the specification of roofing slates that would meet the NHBC's standards. The article's title, Slates – no more grey areas, is an apt play on words as the replacement of a trusty old British Standard by a new-fangled European one brought the roofing industry a very unwelcome grey area – a complete lack of official guidance about what, exactly, constituted a good-quality roofing slate. The NHBC's decision to establish the "minimum specification [needed] to meet with NHBC Standards to ensure the product has acceptable durability" helps resolve that and is Good News for all concerned.

As borders between European countries fade into Europe, a country, national standards are inevitably being replaced by European-wide counterparts. Products used by the building and construction industry in Europe are covered by the European Construction Products Directive which specifies that roofing slates must comply with European Standard EN 12326. Finally



implemented on 23 July 2004, EN 12326 was adopted in the UK as BS EN 12326 and consequently replaced BS 680, the British Standard Specification for roofing slate. So, why the grey area and why should the NHBC feel the need to issue a specification?

Well, unlike our old standard, BS 680, which had objective pass or fail results along with two specific levels of quality, the new European standard, EN 12326, has neither. Instead, EN 12326 stipulates the tests that have to be carried out and how the results are provided – it's then up to individual specifiers to create a specification using this information. However, whereas specifying roofing slate to BS 680 did, invariably, result in good quality slates being used, using EN 12326 in the same way is playing Russian roulette with your roof.

The problem is that the two standards are not comparable in what they do and therefore not simply interchangeable when specifying roofing slates. Terms such as 'complies with EN 12326' or 'must be CE marked' are meaningless as they are too general, every roofing slate, irrespective of its quality, that is legally available for use by the building and construction industry in Europe, would qualify. Outstanding slates, which suppliers will happily back with a three-figure guarantee period, and appalling slates, that you'll be able to watch crumble in front of your very eyes, are all tested to EN 12326 and carry a CE marking. In essence, testing to EN 12326 and its consequent CE marking have been in danger of becoming mistaken for a bona fide mark of quality for roofing slates, a plausible misconception that could be used by unscrupulous suppliers or catch out unwitting specifiers.

The NHBC's initiative has overcome this risk. Using the results of the tests in EN 12326, the world's leading warranty and insurance provider for new homes has specified exactly what it considers to be a roofing slate that has acceptable durability. As the NHBC has shown, it's actually quite easy to sort the chaff from the grain using the test results given by EN 12326, so here's a brief guide to what you should keep in mind.

The UK's Building Regulations specify that any

roofing slate intended for use by the building and construction industry in the UK must be tested to [BS] EN 12326. To prove this, it must carry a CE marking which, for convenience, appears on the document that also gives the test results. This document, often referred to as the ACD (Accompanying Commercial Document), is a legal requirement of EN 12326 and has to be available for inspection by a potential buyer. Without it, suppliers and buyers can't verify the slate's provenance or its qualities.

The purpose of this all-important document is to provide information about the slate and give the results of the tests specified by EN 12326. Inevitably, some of the terminology used is in the NASA talk league but, despite that, the information needed to match the slate with the NHBC's specification is quite easy to remember: A1 - S1 - T1. These three codes are grades awarded to the roofing slate in three key tests, those for water absorbency, carbonate content and reactive metallic minerals.

- **Water Absorption.** This indicates the slate's water absorbency and how it reacts when it gets wet. Water absorption should not exceed 0.6% (but, of course, the less, the better). Test result required by the NHBC: A1.
- **Carbonate Content.** This indicates how much carbonate the slate contains (again, the less, the better and certainly less than 3%). A test (the Sulphur Dioxide Test) then predicts the slate's performance in an acidic environment typical of our cities. Acidic deposition can quickly dissolve the carbonate in the slate causing material loss and structural weakness. Test result required by the NHBC: S1.
- **Reactive Metallic Minerals.** The Thermal Cycling Test indicates the stability of any reactive metallic minerals (often called pyrites) within the slate, predicts their reaction and whether they will oxidise to cause staining, pitting or delamination. Test result required by the NHBC: T1.

So, there you have it... If you have CE marked documentation and the results show grades of 'A1', 'S1' and 'T1', then you have a pretty damn good roofing slate that meets the NHBC's specification. It's as easy as that!

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By Zoë Williams, Group
Marketing Manager at SSQ.





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Report Highlights Importance of Colour

Freefoam Plastics has reported that sales of its coloured roofline products continue to increase significantly in all geographic markets including the UK, Ireland and mainland Europe. This growth reflects the fact that 76% of the market now believes offering a colour range is important.

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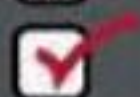
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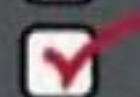
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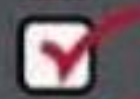
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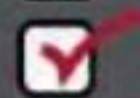
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